

Public Consultation on 12 proposed Institutionalised European Partnerships under the future Horizon Europe Research and Innovation programme

Fields marked with * are mandatory.

Introduction

With a proposed budget of nearly 100 billion euro from 2021 to 2027, the Horizon Europe framework programme represents the largest collaborative multinational research and innovation investment in Europe and is open to participants worldwide.

The European Parliament and the Council have provisionally agreed on the Horizon Europe legislative package (COM(2018)435)[1]. Based on the agreement, Horizon Europe promotes a more strategic, ambitious and impact-oriented approach to public-public and public-private partnerships (European Partnerships), ensuring that they can effectively contribute to the Union's policies and priorities.

European Partnerships allow to bring together a broad range of actors to work towards a common goal, develop synergies with EU, national and regional programmes and strategies, and accelerate societal and market uptake. Different forms of European Partnerships can be implemented depending on specific needs, type of activities and criteria: Co-funded, Co-programmed or Institutionalised European Partnerships.

Institutionalised Partnerships are implemented only when other parts of the Horizon Europe programme, including other forms of European Partnerships (Co-funded or Co-programmed), cannot achieve the objectives or generate the necessary expected impacts. The preparation of such Institutionalised Partnerships requires new EU legislation and the setting up of specific legal structures (funding bodies) based on Article 185 and 187 of the Treaty on the Functioning of the EU (TFEU)[2]. As such all Institutionalised Partnerships must be justified with an impact assessment prior to the preparation of the legislative proposals.

The European Commission is currently running the impact assessment of 12 candidate Institutionalised European Partnerships in the following priorities:

1. EU-Africa research partnership on health security to tackle infectious diseases (Global Health)
2. Innovative Health Initiative
3. Key Digital Technologies
4. Smart Networks and Services
5. European Metrology
6. Transforming Europe's rail system
7. Integrated Air Traffic Management
8. Clean Aviation
9. Clean Hydrogen

10. Safe and Automated Road Transport
11. Circular bio-based Europe: sustainable innovation for new local value from waste and biomass
12. Innovative SMEs

This public consultation aims to collect the views of stakeholders and citizens on the need for such Institutionalised European Partnerships and will feed into the impact assessment process. This consultation is structured in two parts: Part 1 covering all candidate Institutionalised European Partnerships and Part 2 specific to each candidate. We invite you to provide feedback on any of the candidate Institutionalised European Partnership.

The questionnaire is available in English, French and German and you can reply in any EU language. You can pause any time and continue later. Your contribution is downloadable once you have submitted your answers.

Responses received after the closing date will not be considered. Questionnaires sent by e-mail or on paper will not be analysed except those due to accessibility needs of people with visual disabilities and their representative organisations.

A summary on the outcome of the public consultation will be published by the Commission services on the '[Have your say](#)' portal.

We thank you for your participation.

[Protection of personal data](#)

[Privacy statement](#) on the protection of personal data in EU Survey

[1] Legal texts for Horizon Europe to be found here: https://ec.europa.eu/commission/publications/research-and-innovation-including-horizon-europe-iter-and-euratom-legal-texts-and-factsheets_en

[2] Following Article 8(1)(c) of the proposed Regulation for Horizon Europe

About you

* Language of my contribution

- ☐ Bulgarian
- ☐ Croatian
- ☐ Czech
- ☐ Danish
- ☐ Dutch
- ☐ English
- ☐ Estonian
- ☐ Finnish
- ☐ French
- ☐ Gaelic
- ☐ German
- ☐ Greek
- ☐ Hungarian
- ☐ Italian

- ☐ Latvian
- ☐ Lithuanian
- ☐ Maltese
- ☐ Polish
- ☐ Portuguese
- ☐ Romanian
- ☐ Slovak
- ☐ Slovenian
- ☐ Spanish
- ☐ Swedish

* I am giving my contribution as

- ☐ Academic/research institution
- ☐ Business association
- ☐ Company/business organisation
- ☐ Consumer organisation
- ☐ EU citizen
- ☐ Environmental organisation
- ☐ Non-EU citizen
- ☐ Non-governmental organisation (NGO)
- ☐ Public authority
- ☐ Trade union
- ☐ Other

* First name

* Surname

* Email (this won't be published)

* Scope

- ☐ International
- ☐ Local
- ☐ National
- ☐ Regional

* Organisation name

255 character(s) maximum

* Organisation size

- ☐ Micro (1 to 9 employees)
- ☐ Small (10 to 49 employees)
- ☐ Medium (50 to 249 employees)
- ☐ Large (250 or more)

Transparency register number

255 character(s) maximum

Check if your organisation is on the [transparency register](#). It's a voluntary database for organisations seeking to influence EU decision-making.

* Country of origin

Please add your country of origin, or that of your organisation.

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| <input type="radio"/> Afghanistan | <input type="radio"/> Djibouti | <input type="radio"/> Libya | <input type="radio"/> Saint Martin |
| <input type="radio"/> Åland Islands | <input type="radio"/> Dominica | <input type="radio"/> Liechtenstein | <input type="radio"/> Saint Pierre and Miquelon |
| <input type="radio"/> Albania | <input type="radio"/> Dominican Republic | <input type="radio"/> Lithuania | <input type="radio"/> Saint Vincent and the Grenadines |
| <input type="radio"/> Algeria | <input type="radio"/> Ecuador | <input type="radio"/> Luxembourg | <input type="radio"/> Samoa |
| <input type="radio"/> American Samoa | <input type="radio"/> Egypt | <input type="radio"/> Macau | <input type="radio"/> San Marino |
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| <input type="radio"/> Angola | <input type="radio"/> Equatorial Guinea | <input type="radio"/> Malawi | <input type="radio"/> Saudi Arabia |
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| <input type="radio"/> Armenia | <input type="radio"/> Falkland Islands | <input type="radio"/> Marshall Islands | <input type="radio"/> Singapore |
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| <input type="radio"/> Bahamas | <input type="radio"/> French Guiana | <input type="radio"/> Mexico | <input type="radio"/> Somalia |
| <input type="radio"/> Bahrain | <input type="radio"/> French Polynesia | <input type="radio"/> Micronesia | <input type="radio"/> South Africa |
| <input type="radio"/> Bangladesh | <input type="radio"/> French Southern and Antarctic Lands | <input type="radio"/> Moldova | <input type="radio"/> South Georgia and the South Sandwich Islands |
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| ○ Belgium | ○ Germany | ○ Montenegro | ○ Spain |
| ○ Belize | ○ Ghana | ○ Montserrat | ○ Sri Lanka |
| ○ Benin | ○ Gibraltar | ○ Morocco | ○ Sudan |
| ○ Bermuda | ○ Greece | ○ Mozambique | ○ Suriname |
| ○ Bhutan | ○ Greenland | ○ Myanmar /Burma | ○ Svalbard and Jan Mayen |
| | | ○ Namibia | ○ Sweden |
| ○ Bolivia | ○ Grenada | ○ Nauru | ○ Switzerland |
| ○ Bonaire Saint Eustatius and Saba | ○ Guadeloupe | | |
| ○ Bosnia and Herzegovina | ○ Guam | ○ Nepal | ○ Syria |
| ○ Botswana | ○ Guatemala | ○ Netherlands | ○ Taiwan |
| ○ Bouvet Island | ○ Guernsey | ○ New Caledonia | ○ Tajikistan |
| ○ Brazil | ○ Guinea | ○ New Zealand | ○ Tanzania |
| ○ British Indian Ocean Territory | ○ Guinea-Bissau | ○ Nicaragua | ○ Thailand |
| ○ British Virgin Islands | ○ Guyana | ○ Niger | ○ The Gambia |
| ○ Brunei | ○ Haiti | ○ Nigeria | ○ Timor-Leste |
| ○ Bulgaria | ○ Heard Island and McDonald Islands | ○ Niue | ○ Togo |
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| ○ Burkina Faso | ○ Honduras | ○ Norfolk Island | ○ Tokelau |
| ○ Burundi | ○ Hong Kong | ○ Northern Mariana Islands | ○ Tonga |
| | | ○ North Korea | ○ Trinidad and Tobago |
| ○ Cambodia | ○ Hungary | | ○ Tunisia |
| ○ Cameroon | ○ Iceland | ○ North Macedonia | |
| | | ○ Norway | ○ Turkey |
| ○ Canada | ○ India | ○ Oman | ○ Turkmenistan |
| ○ Cape Verde | ○ Indonesia | ○ Pakistan | ○ Turks and Caicos Islands |
| ○ Cayman Islands | ○ Iran | | ○ Tuvalu |
| | | ○ Palau | |
| ○ Central African Republic | ○ Iraq | ○ Palestine | ○ Uganda |
| ○ Chad | ○ Ireland | ○ Panama | ○ Ukraine |
| ○ Chile | ○ Isle of Man | ○ Papua New Guinea | ○ United Arab Emirates |
| ○ China | ○ Israel | ○ Paraguay | ○ United Kingdom |
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| ○ Christmas Island | ○ Italy | ○ Peru | ○ United States Minor Outlying Islands |
| ○ Clipperton | ○ Jamaica | ○ Philippines | |
| ○ Cocos (Keeling) Islands | ○ Japan | | |
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| ○ Colombia | ○ Jersey | | |

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| <input type="radio"/> Cuba | <input type="radio"/> Kyrgyzstan | <input type="radio"/> Russia | <input type="radio"/> Wallis and Futuna |
| <input type="radio"/> Curaçao | <input type="radio"/> Laos | <input type="radio"/> Rwanda | <input type="radio"/> Western Sahara |
| <input type="radio"/> Cyprus | <input type="radio"/> Latvia | <input type="radio"/> Saint Barthélemy | <input type="radio"/> Yemen |
| <input type="radio"/> Czechia | <input type="radio"/> Lebanon | <input type="radio"/> Saint Helena Ascension and Tristan da Cunha | <input type="radio"/> Zambia |
| <input type="radio"/> Democratic Republic of the Congo | <input type="radio"/> Lesotho | <input type="radio"/> Saint Kitts and Nevis | <input type="radio"/> Zimbabwe |
| <input type="radio"/> Denmark | <input type="radio"/> Liberia | <input type="radio"/> Saint Lucia | |

* Publication privacy settings

The Commission will publish the responses to this public consultation. You can choose whether you would like your details to be made public or to remain anonymous.

☐ **Anonymous**

Only your type of respondent, country of origin and contribution will be published. All other personal details (name, organisation name and size, transparency register number) will not be published.

☐ **Public**

Your personal details (name, organisation name and size, transparency register number, country of origin) will be published with your contribution.

☐ I agree with the [personal data protection provisions](#)

Part 1: General questions on European Partnerships

As per the political agreement on Horizon Europe, an Institutionalised European Partnership shall be implemented only where other parts of the Horizon Europe programme, including other forms of European Partnerships (co-programmed, co-funded), would not achieve the objectives or would not generate the necessary expected impacts; they should be justified by a long-term perspective and high degree of integration.

There will be three types of European Partnerships under Horizon Europe [1].

Co-programmed European Partnerships are based on memoranda of understanding and/or contractual arrangements between the Commission and private and/or public partners. They are expected to be best suited to partnerships involving industry, but also Member States, foundations, international partners etc. They are jointly implemented by the Commission (Union contribution via Horizon Europe work programmes) and partners (contributions under their responsibility), with full application of Horizon Europe rules for the Union contribution, whereas partners rules apply to their contributions. They allow for more flexibility over time as regards the composition of partners, objectives and activities and require the relatively lowest effort for set-up and implementation compared to the other forms of European Partnerships.

Co-funded European Partnerships are implemented under the responsibility of the partners, that receive a substantial budget contribution from Horizon Europe (Grant Agreement) to cofound their joint programme of activities. They are expected to be best suited to partnerships involving Member States, with research funders and other public authorities at the core of the consortium, and possibility to include foundations and international partners etc. By default national rules apply to calls launched by the consortium. They require a relatively moderate effort for their set-up and implementation compared to other forms of European Partnerships.

Institutionalised European Partnerships are based on the Union participation in and financial contribution to research and innovation programmes undertaken by several Member States (under Article 185 TFEU) or by bodies established under Article 187 TFEU, for partnerships involving typically industry, research organisations but also Member States, foundations and international partners. They are expected to be best suited for long-term collaborations with stable partners and provide only limited flexibility for adaptation during their implementation. Compared to other forms of European Partnerships, they require a relatively high and long-term effort for their preparation and set-up, including the establishment of dedicated entities (funding bodies) for their implementation. By default the rules for participation of Horizon Europe apply for the calls launched under Institutionalised European Partnerships.

[1] Article 8 of COM(2018)435

* 1. Have you been involved in the on-going research and innovation framework programme Horizon 2020 or the preceeding Framework Programme 7?



Yes



No

* Please identify in which capacity (multiple answers possible):



Applied for funding



Received funding



Expert (evaluator, reviewer, etc.)



Participated in governance (programme committee, etc.)



Other

*

Are or were you directly involved in a partnership under Horizon 2020 or its predecessor Framework Programme 7?

- ☐ Yes
☐ No

* Please identify your role in the partnership (select all that apply):

- ☐ Partner/Member/Beneficiary in a partnership
☐ Representative in the governance of a partnership
☐ Member of a committee for a partnership
☐ Expert (evaluator, reviewer) in calls for proposals in partnership
☐ Applied for funding under a partnership
☐ Provided national cofinancing to a partnership
☐ Other

* Please identify the partnership (select all that apply):

- ☐ European and Developing Countries Clinical Trials Partnership (EDCTP2)
☐ Innovative Medicines Initiative 2 (IMI2) Joint Undertaking
☐ Electronic Components and Systems for European Leadership (ECSEL) Joint Undertaking
☐ 5G (5G PPP)
☐ European Metrology Programme for Innovation and Research (EMPIR)
☐ Shift2Rail Joint Undertaking
☐ Single European Sky Air Traffic Management Research (SESAR) Joint Undertaking
☐ Clean Sky 2 Joint Undertaking
☐ Fuel Cells and Hydrogen 2 (FCH2) Joint Undertaking
☐ Bio-Based Industries Joint Undertaking
☐ Eurostars-2 (supporting research-performing small and medium-sized enterprises)
☐ Ambient Assisted Living (AAL 2)
☐ Partnership for Research and Innovation in the Mediterranean Area (PRIMA)
☐ European High-Performance Computing Joint Undertaking (EuroHPC)

* (Other) Please specify:

500 character(s) maximum

2. To what extent do you think that the future European Partnerships under Horizon Europe need to:

	1 (Not needed at all)	2	3	4	5 (Fully needed)	Don't Know

* Be more responsive towards EU policy objectives	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Be more responsive towards societal needs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Be more responsive towards priorities in national and regional research and innovation strategies, including smart specialisation strategies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Make a significant contribution to achieving the UN's Sustainable Development Goals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Make significant contribution to the EU efforts to achieve climate-related goals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Focus more on the development and effective deployment of technology	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Focus more on bringing about transformative change towards sustainability in their respective area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Make a significant contribution to EU global competitiveness in specific sectors/domains	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
* Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

* (Other) Please specify:

500 character(s) maximum

* 3. What would you see as main advantages and disadvantages of participation in an Institutionalised European Partnership (as a partner) under Horizon Europe?

500 character(s) maximum

4. For which of the candidate Institutionalised European Partnership(s) would you like to specifically provide your views through this consultation (you may provide your views for more than one)?

- ☐ EU-Africa research partnership on health security to tackle infectious diseases - Global Health
- ☐ Innovative Health Initiative
- ☐ Key Digital Technologies
- ☐ Smart Networks and Services
- ☐ European Metrology
- ☐ Transforming Europe's rail system
- ☐ Integrated Air Traffic Management
- ☐ Clean Aviation
- ☐ Circular bio-based Europe: sustainable innovation for new local value from waste and biomass
- ☐ Clean Hydrogen
- ☐

Part 2 - Questions on problems, objectives, policy options and impact tailored to each candidate European Partnership

The following questions allow to assess the necessity of a partnership approach, as well as the need for an Institutionalised Partnership for each candidate partnership.

EU-Africa research partnership on health security to tackle infectious diseases (Global Health)

The European Commission is assessing whether to propose an Institutionalised European Partnership on Global Health under Horizon Europe. Its overall objective would be to accelerate the clinical development of effective, safe, accessible and affordable health technologies, as well as health system interventions for infectious diseases, together with African partners and international funders.

The proposed partnership would build on the existing European and Developing Countries Clinical Trials Partnership programme (EDCTP2), a public-public partnership between the EU, 14 European countries and 16 African countries, established under Horizon 2020 (on the basis of Article 185 TFEU), but would revise its scope, content and implementation and take account of the strengthened scientific, societal, economic and technological impact criteria of Horizon Europe.

The [inception impact assessment](#) outlines an early description of the problems, objectives, options and likely impacts of a candidate European Partnership in this field.

1. To what extent do you think this is relevant for research and innovation efforts at EU level to address the following problems in relation to global health?

Research and innovation problems:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Insufficient understanding about infectious diseases	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Insufficient capacity of the research community to anticipate and react to infectious diseases outbreaks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Limited capacity for evidence-based decision-making by the research community on infectious diseases	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Limited capacity to rapidly scale up testing and production of candidate vaccines	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Structural and resource problems:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Lack of capacity of research institutions and health professionals in Africa to conduct clinical trials (human resources and skills)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of diagnostic capacity in Africa to support the conducting of clinical trials (infrastructure)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of capacity of African countries to oversee the conducting of clinical trials in accordance with national legislation and according to ethical standards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fragmentation of research efforts and efficient collaboration to pool resources between national programmes with private funders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Problems in uptake of health innovations due to:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Market failures due to inadequate industry investment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Inability of health systems in Africa and in the EU to take up the research results of innovative health technologies (i.e. to procure and pay for health innovations, to deliver health innovations to areas where they are needed, to develop products suitable for local market conditions)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

2. In your view, how should the specific challenges described above be addressed through Horizon Europe intervention?

European Partnerships may take any of the following forms:

- a) Co-programmed European Partnerships: based on memoranda of understanding and/or contractual arrangements between the Commission and private and/or public partners;
- b) Co-funded European Partnerships: based on participation in and financial contribution to a programme of R&I activities, using a Programme co-fund action; or

c) Institutionalised European Partnerships: based on participation in and financial contribution to R&I programmes undertaken by several Member States (under Article 185 TFEU) or by bodies established under Article 187 TFEU (Institutionalised European Partnerships)

- ☐ Traditional calls under Horizon Europe work programmes
- ☐ Co-Funded partnership
- ☐ Co-Programmed partnership
- ☐ Institutionalised Partnership

* Please explain briefly your choice:

500 character(s) maximum

3. In your view, how relevant are the following elements and activities to ensure that the proposed European Partnership would meet its objectives?

Setting joint long-term agenda with strong involvement of:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Member States and Associated Countries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
African countries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Academia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Foundations and Non-Governmental Organisations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other societal stakeholders (e.g. patients, healthcare providers, payers, regulators, civil society)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Pooling and leveraging resources (financial, infrastructure, in-kind expertise etc.) through coordination, alignment or integration with:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Member States and Associated Countries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
African countries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Academia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Foundations and Non-Governmental Organisations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other societal stakeholders (e.g. patients, healthcare providers, payers, regulators, civil society)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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Partnership composition:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Flexibility in the composition of partners over time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Involvement of a broad range of partners, including across disciplines and sectors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Implementing the following activities:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Joint R&I programme	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Collaborative R&I projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Deployment and piloting activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Input to regulatory aspects (i.e. to developers of medicines or health technologies on approvals and pre-qualifications)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Co-creation of solutions with end-users (e.g. national health systems)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4. In your view, how relevant is to set up a specific legal structure (funding body) for the candidate European Partnership to achieve the following?

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Implement its activities more effectively	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Implement activities faster to respond to sudden market or policy needs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Implements activities more transparently	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increase financial leverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure better links to regulators	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure better links to practitioners on the ground	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Obtain more buy-in and long-term commitment from other partners	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure harmonisation of standards and approaches	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Facilitate synergies with other EU and national programmes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Facilitate collaboration with other relevant European Partnerships	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

5. What is your view on the scope and coverage proposed for this candidate institutionalised European Partnership, based on its inception impact assessment?

	Too narrow	Right scope & coverage	Too broad	Don't know
Technologies covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Research areas covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Geographical coverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Types of partners covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Range of activities covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sectoral coverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please provide any comment you may have on the proposed scope and coverage for this candidate Institutionalised Partnership:

500 character(s) maximum

6. In your view, would it be possible to rationalise the candidate European Institutionalised Partnership and its activities, and/or to better link it with other comparable initiatives?

- ☐ Yes
☐ No

(Yes) Please explain why? Which other comparable initiatives could it be linked with?

500 character(s) maximum

(No) Please explain why other comparable initiatives are not suitable to be linked with?

500 character(s) maximum

7. In your view, how relevant is it for the candidate European Institutionalised Partnership to deliver on the following impacts?

Societal impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Improved health promotion and disease prevention throughout the life course and accessible for a broader population	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Better understanding of the environmental factors for health and well-being	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Better fight against communicable diseases (including by helping to enable a faster response to epidemic threats) and reduction of the social and societal burden that they entail	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
More efficient and sustainable health systems providing accessible and person-centred high-quality health and care services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Stimulation of the development of effective, affordable and appropriate health products for use in developing countries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increased ability of developing countries to participate in and conduct clinical research	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Economic/technological impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Better, safe and affordable health technologies, tools and digital solutions for health, e.g. testing and demonstration of radically new platforms	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
More innovative, sustainable and globally competitive health industries (including SMEs)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Scientific impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
New scientific knowledge and reinforcement of EU scientific capabilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Local capacity development to support and conduct clinical trials (human resources, skills, infrastructure)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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Innovative Health Initiative

The European Commission is assessing whether to propose an Institutionalised European Partnership on Innovative Health under Horizon Europe. Its overall objective would be to facilitate technology convergence and understanding of diseases in order to accelerate the development of safe, effective, patient-centred and cost-effective healthcare innovations that would directly respond to unmet public health needs, and that can be taken up by healthcare systems.

The proposed partnership would build on the experience gained in the existing Innovative Medicines Initiative 2 (IMI2), but would revise its scope, content and implementation and take account of the strengthened scientific, societal, economic and technological impact criteria of Horizon Europe.

IMI2 is a public-private partnership between the EU and the European pharmaceutical industry, established under Horizon 2020 (on the basis of Article 187 TFEU) and operating until 31 December 2024. It focuses largely on drug development.

The [inception impact assessment](#) outlines an early description of the problems, objectives, options and likely impact of a candidate European Partnership in this field.

1. To what extent do you think this is relevant for research and innovation efforts at EU level to address the following problems in relation to health and health care innovation?

Research and innovation problems:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Lack of understanding of or knowledge about diseases	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Innovation gap in the EU in translating the results of health research into the development of innovative health products and services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Structural and resource problems:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Limited collaboration and pooling of resources between industry sectors (i.e. pharmaceuticals,						

diagnostics, medical devices, imaging, biotech and digital industries)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Limited collaboration and pooling of resources across public, private and charity sectors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Problems in uptake of health innovations due to:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Market failures	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of adequate business models	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Regulatory issues in healthcare and medicinal product development	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ethics issues in healthcare	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Restrictive intellectual property rights of innovations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Insufficient consideration of societal or user needs when translating the results of health research into better health products and services for its citizens	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Insufficient evidence generated about cost-effectiveness at scale	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Insufficient digitalisation (data access and analysis, interoperability and accessibility issues)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Technology and vendor lock-in preventing scale-up	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Concerns with use of digital tools for ethical, privacy or security reasons	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Limited numbers of citizens managing their own health	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

2. In your view, how should the specific challenges described above be addressed through Horizon Europe intervention?

European Partnerships may take any of the following forms:

- a) Co-programmed European Partnerships: based on memoranda of understanding and/or contractual arrangements between the Commission and private and/or public partners;
- b) Co-funded European Partnerships: based on participation in and financial contribution to a programme of R&I activities, using a Programme co-fund action; or
- c) Institutionalised European Partnerships: based on participation in and financial contribution to R&I programmes undertaken by several Member States (under Article 185 TFEU) or by bodies established under Article 187 TFEU (Institutionalised European Partnerships)

- ☐ Traditional calls under Horizon Europe work programmes
- ☐ Co-Funded partnership

- ☐ Co-Programmed partnership
- ☐ Institutionalised Partnership

* Please explain briefly your choice:

500 character(s) maximum

3. In your view, how relevant are the following elements and activities to ensure that the proposed European Partnership would meet its objectives?

Setting joint long-term agenda with strong involvement of:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Member States and Associated Countries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Academia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Foundations and Non-Governmental Organisations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other societal stakeholders (e.g. patients, healthcare providers, payers, regulators)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Pooling and leveraging resources (financial, infrastructure, in-kind expertise etc.) through coordination, alignment or integration with:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Member States and Associated Countries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Academia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Foundations and Non-Governmental Organisations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other societal stakeholders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Partnership composition:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Flexibility in the composition of partners over time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Involvement of a broad range of partners, including across disciplines and sectors (e.g. academia, research performing organisations, patients, payers, healthcare professionals, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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Implementing the following activities:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Joint R&I programme	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Collaborative R&I projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Deployment and piloting activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Input to regulatory aspects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Co-creation of solutions with end-users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4. In your view, how relevant is to set up a specific legal structure (funding body) for the candidate European Partnership to achieve the following?

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Implement its activities more effectively	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Implement activities faster to respond to sudden market or policy needs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Implements activities more transparently	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increase financial leverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure better links to regulators	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure better links to practitioners on the ground	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Obtain more buy-in and long-term commitment from other partners	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure harmonisation of standards and approaches	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Facilitate synergies with other EU and national programmes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Facilitate collaboration with other relevant European Partnerships	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

5. What is your view on the scope and coverage proposed for this candidate institutionalised European Partnership, based on its inception impact assessment?

	Too narrow	Right scope & coverage	Too broad	Don't know
Technologies covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Research areas covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Geographical coverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Types of partners covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Range of activities covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sectoral coverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please provide any comment you may have on the proposed scope and coverage for this candidate Institutionalised Partnership:

500 character(s) maximum

6. In your view, would it be possible to rationalise the candidate European Institutionalised Partnership and its activities, and/or to better link it with other comparable initiatives?

- ☐ Yes
☐ No

(Yes) Please explain why? Which other comparable initiatives could it be linked with?

500 character(s) maximum

(No) Please explain why other comparable initiatives are not suitable to be linked with?

500 character(s) maximum

7. In your view, how relevant is it for the candidate European Institutionalised Partnership to deliver on the following impacts?

Societal impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Healthy citizens in a rapidly changing society	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Effective health services to tackle diseases and reduce the burden of disease	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improved access to innovative, sustainable and high-quality health care	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improved patient experience	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Safer drug disposal, green manufacturing processes and reduction in use of animals for research	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Economic/technological impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Better, safe and affordable health technologies, tools and digital solutions for health, e.g. testing and demonstration of radically new platforms	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reduced duplication and waste in R&I activities and thus reduced development cost	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
More and de-risked innovations available for healthcare investors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
More innovative, sustainable and globally competitive health industries (including SMEs)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Highly skilled jobs in industry, healthcare and the public sector	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Scientific impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
New scientific knowledge and reinforcement of EU scientific capabilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
New scientific collaboration networks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Key Digital Technologies

The European Commission is assessing whether to propose an Institutionalised European Partnership on Key Digital Technologies under Horizon Europe. Its overall objective would be to reinforce Europe's capacity to innovate through robust electronics value chains in the EU and its ability to provide the rest of EU industry and society with sustainable and secure solutions.

The proposed partnership would build on the experience gained in the existing Electronic Components and Systems European Leadership (ECSEL) Joint Undertaking, but would also satisfy the more demanding scientific, societal, economic and technological impact criteria of Horizon Europe.

ECSEL JU is a public-private partnership, established under Horizon 2020, on the basis of Article 187 TFEU and which functioning is currently planned until 31 December 2024.

The [inception impact assessment](#) outlines an early description of the problems, objectives, options and likely impact of a candidate European Partnership in this field.

1. To what extent do you think this is relevant for research and innovation efforts at EU level to address the following problems in relation to key digital technologies?

Research and innovation problems:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Rapid change including big data and the emergence of new computing paradigms	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of sufficient expertise in specific key digital technologies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Innovation gap in the EU in translating research results into innovative digital solutions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Structural and resource problems:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Limited availability of testbeds for novel computing components and systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sky-rocketing costs of equipment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Limited collaboration and pooling of resources between Member States, European Commission, Industry and Research organisations (Universities, RTOs)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Problems in uptake of digital innovations due to:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know

Insufficient market size or inappropriate business models	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Regulatory framework lagging behind technology developments	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Barriers to exploitation due to limited access to capital, data or Intellectual Property	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of consideration of societal or user needs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Concerns with the use of digital tools for ethical, privacy or security reasons	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

2. In your view, how should the specific challenges described above be addressed through Horizon Europe intervention?

European Partnerships may take any of the following forms:

- a) Co-programmed European Partnerships: based on memoranda of understanding and/or contractual arrangements between the Commission and private and/or public partners;
- b) Co-funded European Partnerships: based on participation in and financial contribution to a programme of R&I activities, using a Programme co-fund action; or
- c) Institutionalised European Partnerships: based on participation in and financial contribution to R&I programmes undertaken by several Member States (under Article 185 TFEU) or by bodies established under Article 187 TFEU (Institutionalised European Partnerships)

- ☐ Traditional calls under Horizon Europe work programmes
- ☐ Co-Funded partnership
- ☐ Co-Programmed partnership
- ☐ Institutionalised Partnership

* Please explain briefly your choice:

500 character(s) maximum

3. In your view, how relevant are the following elements and activities to ensure that the proposed European Partnership would meet its objectives?

Setting joint long-term agenda with strong involvement of:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Member States and Associated Countries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Academia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Foundations and Non-Governmental Organisations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other societal stakeholders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Pooling and leveraging resources (financial, infrastructure, in-kind expertise etc.) through coordination, alignment or integration with:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Member States and Associated Countries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Academia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Foundations and Non-Governmental Organisations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other societal stakeholders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Partnership composition:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Flexibility in the composition of partners over time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Involvement of a broad range of partners, including across disciplines and sectors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Implementing the following activities:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Joint R&I programme	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Collaborative R&I projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Deployment and piloting activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Input to regulatory aspects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Co-creation of solutions with end-users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4. In your view, how relevant is to set up a specific legal structure (funding body) for the candidate European Partnership to achieve the following?

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Implement its activities more effectively	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Implement activities faster to respond to sudden market or policy needs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Implements activities more transparently	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increase financial leverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure better links to regulators	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure better links to practitioners on the ground	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Obtain more buy-in and long-term commitment from other partners	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure harmonisation of standards and approaches	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Facilitate synergies with other EU and national programmes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Facilitate collaboration with other relevant European Partnerships	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

5. What is your view on the scope and coverage proposed for this candidate institutionalised European Partnership, based on its inception impact assessment?

	Too narrow	Right scope & coverage	Too broad	Don't know
Technologies covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Research areas covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Geographical coverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Types of partners covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Range of activities covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sectoral coverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please provide any comment you may have on the proposed scope and coverage for this candidate Institutionalised Partnership:

500 character(s) maximum

6. In your view, would it be possible to rationalise the candidate European Institutionalised Partnership and its activities, and/or to better link it with other comparable initiatives?

- ☐ Yes
☐ No

(Yes) Please explain why? Which other comparable initiatives could it be linked with?

500 character(s) maximum

(No) Please explain why other comparable initiatives are not suitable to be linked with?

500 character(s) maximum

7. In your view, how relevant is it for the candidate European Institutionalised Partnership to deliver on the following impacts?

Societal impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Provision of trusted electronics components and systems to the public and businesses	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Enabled safety (automotive, avionics) and security (transactions, communications)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Contribution to more functional, efficient and economical electronics systems accessible to a larger part of the population	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Economic/technological impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
More innovative, sustainable and globally competitive electronics and systems industries (including SMEs)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Development and exploitation of innovative technology paradigms	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Scientific impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
New scientific knowledge and reinforcement of EU research and innovation capabilities in Key Digital Technologies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Smart Networks and Services

The European Commission is assessing whether to propose an Institutionalised European Partnership on Innovative Smart Networks and Services under Horizon Europe. The objective is for Europe to maintain and further reinforce its role in the global scene for advanced smart digital connectivity platforms. Europe has to stay at the leading edge of innovation by leveraging its know-how and industrial strengths.

Building on the EU's strong position in 5G and Internet of Things (IoT) technology, the proposed partnership would enable Europe to master and lead the technology evolution of smart networks and services towards beyond 5G and later 6G networks and stay competitive and autonomous in relation to our main competitors in the field (i.e. China, USA) who are already launching similar initiatives.

The initiative also aims at coordinating deployment of Smart Networks and Services in areas of public interest.

The initiative would build on the experience gained in the existing 5G PPP H2020 partnership but would revise its scope, content and implementation to take into account important developments in the field of devices (IoT) and cloud computing (edge cloud infrastructures) and the strengthened scientific, societal, economic and technological impact criteria of Horizon Europe.

It hence proposes a comprehensive value chain approach, leveraging European connectivity strong assets and world class research capabilities to create industrial opportunities in related devices and computing domains.

The [inception impact assessment](#) outlines an early description of the problems, objectives, options and likely impact of a candidate European Partnership in this field.

1. To what extent do you think this is relevant for research and innovation efforts at EU level to address the following problems in relation to smart networks and services?

Research and innovation problems:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Lack of understanding of or knowledge about next generation converged Digital Infrastructures with a comprehensive European system approach covering connectivity, devices and cloud services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Innovation gap in the EU in translating the results of connectivity, cloud and Internet of Things devices research into the development of innovative networks and services platforms	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Structural and resource problems:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Limited collaboration and pooling of resources between public actors, private actors i.e. network and internet service providers, connectivity vendors, computing and device actors, vertical industries and users, leading research centres and public authorities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Problems in uptake of smart networks and services innovations due to:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Market fragmentation due to lack of industrial policy favouring harmonised national take up and implementation strategies for new generation of smart connectivity systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Regulation in the field of radio spectrum allocation including identification of new innovative spectrum management and sharing technologies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Barriers to exploitation due to critical mass of investment or time to market, notably for trans-European networks and corridors for connected and automated mobility	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Barriers to exploitation due to potential lack of global standards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of consideration of societal or user needs driving networks and services research into human centric next generation Internet services for its citizens	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Insufficient digitalisation (data access and analysis, interoperability) especially for what concerns vertical user sectors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Concerns with use of smart networks and services platforms for ethical, privacy, security, or EMF reasons	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

2. In your view, how should the specific challenges described above be addressed through Horizon Europe intervention?

European Partnerships may take any of the following forms:

- a) Co-programmed European Partnerships: based on memoranda of understanding and/or contractual arrangements between the Commission and private and/or public partners;
- b) Co-funded European Partnerships: based on participation in and financial contribution to a programme of R&I activities, using a Programme co-fund action; or
- c) Institutionalised European Partnerships: based on participation in and financial contribution to R&I programmes undertaken by several Member States (under Article 185 TFEU) or by bodies established under Article 187 TFEU (Institutionalised European Partnerships)

- ☐ Traditional calls under Horizon Europe work programmes
- ☐ Co-Funded partnership
- ☐ Co-Programmed partnership
- ☐ Institutionalised Partnership

* Please explain briefly your choice:

500 character(s) maximum

3. In your view, how relevant are the following elements and activities to ensure that the proposed European Partnership would meet its objectives?

Setting joint long-term agenda with strong involvement of:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Member States and Associated Countries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Academia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Foundations and Non-Governmental Organisations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other societal stakeholders (e.g. Connectivity vendors, Telecom operators, regulators, user groups)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Pooling and leveraging resources (financial, infrastructure, in-kind expertise etc.) through coordination, alignment or integration with:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Member States and Associated Countries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Academia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Foundations and Non-Governmental Organisations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other societal stakeholders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Partnership composition:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Flexibility in the composition of partners over time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Involvement of a broad range of partners, including across disciplines and sectors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Implementing the following activities:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Joint R&I programme	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Collaborative R&I projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Deployment and piloting activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Input to regulatory aspects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Co-creation of solutions with end-users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4. In your view, how relevant is to set up a specific legal structure (funding body) for the candidate European Partnership to achieve the following?

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Implement its activities more effectively	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Implement activities faster to respond to sudden market or policy needs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Implements activities more transparently	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increase financial leverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure better links to regulators	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure better links to practitioners on the ground	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Obtain more buy-in and long-term commitment from other partners	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure harmonisation of standards and approaches	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Facilitate synergies with other EU and national programmes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Facilitate collaboration with other relevant European Partnerships	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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5. What is your view on the scope and coverage proposed for this candidate institutionalised European Partnership, based on its inception impact assessment?

	Too narrow	Right scope & coverage	Too broad	Don't know
Technologies covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Research areas covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Geographical coverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Types of partners covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Range of activities covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sectoral coverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please provide any comment you may have on the proposed scope and coverage for this candidate Institutionalised Partnership:

500 character(s) maximum

6. In your view, would it be possible to rationalise the candidate European Institutionalised Partnership and its activities, and/or to better link it with other comparable initiatives?

- ☐ Yes
☐ No

(Yes) Please explain why? Which other comparable initiatives could it be linked with?

500 character(s) maximum

(No) Please explain why other comparable initiatives are not suitable to be linked with?

500 character(s) maximum

7. In your view, how relevant is it for the candidate European Institutionalised Partnership to deliver on the following impacts?

Societal impact:

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	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Developing and deploying connectivity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Providing consumers faster and smarter mobile communications	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Providing citizens trusted next generation Internet networks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Bringing about the digital transformation of industries such as health, education, media, transport	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Drastically reducing energy consumption of future smart network and service platforms	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Economic/technological impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Achieving the strategic objectives of the partnership by involving the Member States directly	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Faster, energy efficient and affordable advanced communication systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Developing the digital economy of networks, Internet of Things and cloud computing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Creating new industrial value chains across different sectors such as network equipment and service providers, big data, cloud, software-defined infrastructures and Internet of things technologies and services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Highly skilled jobs in industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Scientific impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Developing the scientific knowledge preparing for the 6th Generation of mobile communication networks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Creating synergies between networks, cloud and Internet of Things to achieve intelligent connectivity as a basis for the next generation Internet services and applications	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Maintaining and reinforcing European world-class research and innovation capabilities in networks and related domains	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

European Metrology

The European Commission is assessing whether to propose an Institutionalised European Partnership on Metrology under Horizon Europe. Its overall objective would be to create sustainable European metrology networks for strategic application areas and for support of emerging technologies. An additional specific objective relates to the need to maintain and further claim the global lead in state-of-the-art metrology solutions.

The proposed partnership would build on the experience gained in the existing European Metrology Programme for Innovation and Research (EMPIR) but would revise its scope, content and implementation and take account of the strengthened scientific, societal, economic and technological impact criteria of Horizon Europe.

The EMPIR initiative, established under Article 185 TFEU, is co-funded by the EU's Horizon 2020 research and innovation programme and the EMPIR Participating States and its functioning is currently planned until 31 December 2024.

The [inception impact assessment](#) outlines an early description of the problems, objectives, options and likely impact of a candidate European Partnership in this field.

1. To what extent do you think this is relevant for research and innovation efforts at EU level to address the following problems in relation to metrology?

Research and innovation problems:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Lack of understanding of or knowledge about Metrology	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Innovation gap in the EU in ensuring a European-wide metrology system applicable to emerging technologies and able to support their industrial deployment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Structural and resource problems:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Limited collaboration and pooling of resources between public actors, such as national metrology institutes, and private actors, such as measurement service providers, device manufacturers and industry at large	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increasing costs of complex and specialist metrology infrastructure to meet the increasing scope of metrology requirements i.e. to meet needs of emerging and existing technologies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Problems in uptake of metrology innovations due to:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Lack of understanding of the benefits metrology brings to emerging technologies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Insufficient consideration of industrial and regulatory user needs when building metrology capacity and the quality infrastructure for emerging technologies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Insufficient digitalisation (data access and analysis, interoperability, and accessibility issues) to access and use metrology infrastructure and services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

2. In your view, how should the specific challenges described above be addressed through Horizon Europe intervention?

European Partnerships may take any of the following forms:

- a) Co-programmed European Partnerships: based on memoranda of understanding and/or contractual arrangements between the Commission and private and/or public partners;
- b) Co-funded European Partnerships: based on participation in and financial contribution to a programme of R&I activities, using a Programme co-fund action; or
- c) Institutionalised European Partnerships: based on participation in and financial contribution to R&I programmes undertaken by several Member States (under Article 185 TFEU) or by bodies established under Article 187 TFEU (Institutionalised European Partnerships)

- ☐ Traditional calls under Horizon Europe work programmes
- ☐ Co-Funded partnership
- ☐ Co-Programmed partnership
- ☐ Institutionalised Partnership

* Please explain briefly your choice:

500 character(s) maximum

3. In your view, how relevant are the following elements and activities to ensure that the proposed European Partnership would meet its objectives?

Setting joint long-term agenda with strong involvement of:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Member States and Associated Countries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Academia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Foundations and Non-Governmental Organisations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other societal stakeholders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Pooling and leveraging resources (financial, infrastructure, in-kind expertise etc.) through coordination, alignment or integration with:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Member States and Associated Countries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Academia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Foundations and Non-Governmental Organisations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other societal stakeholders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Partnership composition:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Flexibility in the composition of partners over time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Involvement of a broad range of partners, including across disciplines and sectors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Implementing the following activities:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Joint R&I programme	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Collaborative R&I projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Deployment and piloting activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Input to regulatory aspects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Co-creation of solutions with end-users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4. In your view, how relevant is to set up a specific legal structure (funding body) for the candidate European Partnership to achieve the following?

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Implement its activities more effectively	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Implement activities faster to respond to sudden market or policy needs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Implements activities more transparently	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increase financial leverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure better links to regulators	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure better links to practitioners on the ground	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Obtain more buy-in and long-term commitment from other partners	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure harmonisation of standards and approaches	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Facilitate synergies with other EU and national programmes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Facilitate collaboration with other relevant European Partnerships	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

5. What is your view on the scope and coverage proposed for this candidate institutionalised European Partnership, based on its inception impact assessment?

	Too narrow	Right scope & coverage	Too broad	Don't know
Technologies covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Research areas covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Geographical coverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Types of partners covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Range of activities covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Sectoral coverage



Please provide any comment you may have on the proposed scope and coverage for this candidate Institutionalised Partnership:

500 character(s) maximum

6. In your view, would it be possible to rationalise the candidate European Institutionalised Partnership and its activities, and/or to better link it with other comparable initiatives?

☐ Yes

☐ No

(Yes) Please explain why? Which other comparable initiatives could it be linked with?

500 character(s) maximum

(No) Please explain why other comparable initiatives are not suitable to be linked with?

500 character(s) maximum

7. In your view, how relevant is it for the candidate European Institutionalised Partnership to deliver on the following impacts?

Societal impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Reliable and trusted data exchange and in the fields of health, environment, social protection and cultural heritage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Economic/technological impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Increased employment in sectors developing and deploying new technologies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Accelerated adoption of, and trade in, new technologies through trusted validation and product performance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Need to strengthen the role of rail in the transport system	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of alignment between basic research in rail sector and market needs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of appropriate integration of freight	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Need for common action to significantly advance key technologies and radically transform rail	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Structural and resource problems:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Need to bring together rail research community, supply industry and operators/infrastructure managers, to ensure aligned development and deployment of innovation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Deep coordination and alignment of public and private R&I funding	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of competitiveness (cost efficiency) and attractiveness (reliability) of rail services in comparison with other modes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fragmentation among railway ecosystems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fragmentation among rail subsystems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fragmentation along the innovation life cycle	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Uncoordinated programming approach and poor alignment with EU policy goals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Problems in uptake of rail system innovations due to:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Slow deployment and limited market uptake of innovative solutions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Regulatory framework that is not conducive to innovation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

2. In your view, how should the specific challenges described above be addressed through Horizon Europe intervention?

European Partnerships may take any of the following forms:

- a) Co-programmed European Partnerships: based on memoranda of understanding and/or contractual arrangements between the Commission and private and/or public partners;
- b) Co-funded European Partnerships: based on participation in and financial contribution to a programme of R&I activities, using a Programme co-fund action; or
- c) Institutionalised European Partnerships: based on participation in and financial contribution to R&I programmes undertaken by several Member States (under Article 185 TFEU) or by bodies established under Article 187 TFEU (Institutionalised European Partnerships)

- ☐ Traditional calls under Horizon Europe work programmes
- ☐ Co-Funded partnership
- ☐ Co-Programmed partnership
- ☐ Institutionalised Partnership

* Please explain briefly your choice:

500 character(s) maximum

3. In your view, how relevant are the following elements and activities to ensure that the proposed European Partnership would meet its objectives?

Setting joint long-term agenda with strong involvement of:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Member States and Associated Countries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Academia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Foundations and Non-Governmental Organisations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other societal stakeholders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Pooling and leveraging resources (financial, infrastructure, in-kind expertise etc.) through coordination, alignment or integration with:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Member States and Associated Countries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Academia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Foundations and Non-Governmental Organisations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Other societal stakeholders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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Partnership composition:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Flexibility in the composition of partners over time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Involvement of a broad range of partners, including across disciplines and sectors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Implementing the following activities:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Joint R&I programme	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Collaborative R&I projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Deployment and piloting activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Input to regulatory aspects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Co-creation of solutions with end-users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4. In your view, how relevant is to set up a specific legal structure (funding body) for the candidate European Partnership to achieve the following?

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Implement its activities more effectively	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Implement activities faster to respond to sudden market or policy needs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Implements activities more transparently	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increase financial leverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure better links to regulators	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure better links to practitioners on the ground	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Obtain more buy-in and long-term commitment from other partners	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure harmonisation of standards and approaches	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Facilitate synergies with other EU and national programmes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Facilitate collaboration with other relevant European Partnerships	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

5. What is your view on the scope and coverage proposed for this candidate institutionalised European Partnership, based on its inception impact assessment?

	Too narrow	Right scope & coverage	Too broad	Don't know
Technologies covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Research areas covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Geographical coverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Types of partners covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Range of activities covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sectoral coverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please provide any comment you may have on the proposed scope and coverage for this candidate Institutionalised Partnership:

500 character(s) maximum

6. In your view, would it be possible to rationalise the candidate European Institutionalised Partnership and its activities, and/or to better link it with other comparable initiatives?

- ☐ Yes
☐ No

(Yes) Please explain why? Which other comparable initiatives could it be linked with?

500 character(s) maximum

(No) Please explain why other comparable initiatives are not suitable to be linked with?

500 character(s) maximum

7. In your view, how relevant is it for the candidate European Institutionalised Partnership to deliver on the following impacts?

Societal impact:

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	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Contribution to a cleaner mobility at lower costs, reduction in noise, energy consumption and emissions, including carbon dioxide	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Safer and more reliable infrastructure and rolling stock, further optimisation of signalling systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Better quality of services for passengers and freight	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Secure handling and management of transported goods, and cybersecurity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reduction in the use of fossil fuels	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Economic/technological impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Creation of high-quality jobs in the rail sector and in other related sectors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increased competitiveness of the European rail industry on global markets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increased economic efficiency of the sector	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increased vehicle capacity to support enhanced freight and passenger volumes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Accelerated market uptake of the sector's scientific and technological developments	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Impact of improved rail services on European economy generally	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Accelerated transition to digitalisation and enhanced multimodal interfaces	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Scientific impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
New scientific knowledge and reinforcement of EU scientific capabilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Integrated Air Traffic Management

Air Traffic Management (ATM) ensures the safe separation of aircraft and the efficient flow of air traffic. The efficiency of Air Traffic Management systems is measured by how well they manage air traffic and ensure a seamless and safe flow of traffic in any situation. Current systems are reaching the limits of their ability to manage an ever increasing volume and complexity of air traffic.

The Commission is assessing whether to set up an Institutionalised European Partnership under Article 187 TFEU building on the experience of the SESAR Joint Undertaking (established on the basis of Article 187 TFEU and which functioning is currently planned until 31 December 2024), but would revise its scope, content and implementation and take account of the strengthened scientific, societal, economic and technological impact criteria of Horizon Europe.

The priorities, composition and governance of any new partnership would need to be reviewed to ensure that it addresses the new Air Traffic Management challenges for the EU in the coming decades, such as an increase in air traffic volume and the consequent increased environmental footprint of air transport, and the increasing complexity, digitalisation and automation of Air Traffic Management services.

The [inception impact assessment](#) outlines an early description of the problems, objectives, options and likely impact of a candidate European Partnership in this field.

1. To what extent do you think this is relevant for research and innovation efforts at EU level to address the following problems in relation to air traffic management?

Research and innovation problems:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Misalignment between basic/exploratory research and industrial research	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Misalignment between R&I and the needs of operational stakeholders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fragmentation of EU airspace	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Local issues (compared to network issues)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Structural and resource problems:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know

Need to bring together the Air Traffic Management research community, the manufacturing industry, and operational stakeholders, to ensure aligned development and deployment of innovation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Need to coordinate public funding with private research and innovation funding	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Need to synchronise research and innovation activities with EU policy objectives	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Appropriate budget	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Need of specific Infrastructure (e.g. simulators, more test sites closer to real operational environment)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Skills required for researchers in this area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Problems in uptake of air traffic management innovations due to:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Investments featuring a negative cost-benefit analysis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Regulation impeding the uptake of innovation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Absence of standards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Absence of a clear vision for future system	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Slow pace of Air Traffic Management modernisation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

2. In your view, how should the specific challenges described above be addressed through Horizon Europe intervention?

European Partnerships may take any of the following forms:

- a) Co-programmed European Partnerships: based on memoranda of understanding and/or contractual arrangements between the Commission and private and/or public partners;
- b) Co-funded European Partnerships: based on participation in and financial contribution to a programme of R&I activities, using a Programme co-fund action; or
- c) Institutionalised European Partnerships: based on participation in and financial contribution to R&I programmes undertaken by several Member States (under Article 185 TFEU) or by bodies established under Article 187 TFEU (Institutionalised European Partnerships)

- ☐ Traditional calls under Horizon Europe work programmes
- ☐ Co-Funded partnership
- ☐ Co-Programmed partnership
- ☐ Institutionalised Partnership

*** Please explain briefly your choice:**

500 character(s) maximum

3. In your view, how relevant are the following elements and activities to ensure that the proposed European Partnership would meet its objectives?

Setting joint long-term agenda with strong involvement of:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Member States and Associated Countries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Academia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Foundations and Non-Governmental Organisations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other societal stakeholders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Pooling and leveraging resources (financial, infrastructure, in-kind expertise etc.) through coordination, alignment or integration with:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Member States and Associated Countries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Academia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Foundations and Non-Governmental Organisations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other societal stakeholders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Partnership composition:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Flexibility in the composition of partners over time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Involvement of a broad range of partners, including across disciplines and sectors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Implementing the following activities:

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	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Joint R&I programme	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Collaborative R&I projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Deployment and piloting activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Input to regulatory aspects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Co-creation of solutions with end-users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4. In your view, how relevant is to set up a specific legal structure (funding body) for the candidate European Partnership to achieve the following?

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Implement its activities more effectively	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Implement activities faster to respond to sudden market or policy needs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Implements activities more transparently	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increase financial leverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure better links to regulators	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure better links to practitioners on the ground	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Obtain more buy-in and long-term commitment from other partners	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure harmonisation of standards and approaches	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Facilitate synergies with other EU and national programmes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Facilitate collaboration with other relevant European Partnerships	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

5. What is your view on the scope and coverage proposed for this candidate institutionalised European Partnership, based on its inception impact assessment?

	Too narrow	Right scope & coverage	Too broad	Don't know
Technologies covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Research areas covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Geographical coverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Types of partners covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Range of activities covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sectoral coverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please provide any comment you may have on the proposed scope and coverage for this candidate Institutionalised Partnership:

500 character(s) maximum

6. In your view, would it be possible to rationalise the candidate European Institutionalised Partnership and its activities, and/or to better link it with other comparable initiatives?

- ☐ Yes
☐ No

(Yes) Please explain why? Which other comparable initiatives could it be linked with?

500 character(s) maximum

(No) Please explain why other comparable initiatives are not suitable to be linked with?

500 character(s) maximum

7. In your view, how relevant is it for the candidate European Institutionalised Partnership to deliver on the following impacts?

Societal impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Increased aviation safety levels for all types of flying vehicles	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Education of the next generation of aviation professionals and encouragement of diversity and inclusion	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improved passenger experience by reducing travel time, delays and costs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Economic/technological impact:

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	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Creation of additional jobs in the air transport industries and the EU economy at large	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increased EU aviation industry competitiveness with efficient airspace organisation and optimised traffic flows	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Boosted EU industry globally through international agreements and the setting of global standards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improved customer experience and business opportunities by reducing travel time, improving predictability and reducing the cost of Air Traffic Management services per flight	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
No significant disruption caused by cyber-security vulnerabilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Scientific impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Contribution to the advancement of science by stimulating innovation along the entire Air Traffic Management services supply chain	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
New scientific knowledge and reinforcement of EU scientific capabilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Clean Aviation

The Commission is assessing whether to propose an Institutionalised European Partnership on Clean Aviation under Horizon Europe. Its overall objective would be bringing together the European aviation supply chain - including on the transition to low carbon aviation - and accelerating the market uptake of technologies with significantly reduced environmental impact. The primary objective is a path towards deep decarbonisation, therefore contributing to the EU's climate and energy goals.

The proposed partnership would build on the experience of the existing Horizon 2020 Clean Sky 2 (CS2) Joint Undertaking (established under Article 187 TFEU), but would revise its scope, content and implementation and take into account the strengthened scientific, societal, economic and technological impact criteria of Horizon Europe.

CS2 is a public-private partnership between the EU and the aviation sector, established under Horizon

2020 and which functioning is currently planned until 31 December 2024. It focuses on the finalisation of research activities initiated under Clean Sky 1 and contributes to improving the environmental impact of aeronautical technologies, including those relating to small aviation.

The [inception impact assessment](#) outlines an early description of the problems, objectives, options and impact that the partnership is likely to have.

1. To what extent do you think this is relevant for research and innovation efforts at EU level to address the following problems in relation to clean aviation?

Research and innovation problems:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Too long development and innovation cycles to innovative products and services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Structural and resource problems:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Limited collaboration and pooling of resources between public actors and private actors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of alignment and coordination between EU research, national research and private innovation efforts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Regulatory barriers in the field of disruptive and digital aviation technology	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Barriers to exploitation due to the financial risk for early movers, especially in areas like urban air mobility	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
High costs of demonstration of innovative solutions that hinder commercialisation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of acceptance, security and safety related to new aircraft configurations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Problems in uptake of clean aviation innovations due to:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Market failures due to inadequate industry investment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Lack of adequate business models	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Regulatory framework lagging behind technology developments	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Barriers to exploit due to potential lack of global standards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of consideration of societal and user needs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

2. In your view, how should the specific challenges described above be addressed through Horizon Europe intervention?

European Partnerships may take any of the following forms:

- a) Co-programmed European Partnerships: based on memoranda of understanding and/or contractual arrangements between the Commission and private and/or public partners;
- b) Co-funded European Partnerships: based on participation in and financial contribution to a programme of R&I activities, using a Programme co-fund action; or
- c) Institutionalised European Partnerships: based on participation in and financial contribution to R&I programmes undertaken by several Member States (under Article 185 TFEU) or by bodies established under Article 187 TFEU (Institutionalised European Partnerships)

- ☐ Traditional calls under Horizon Europe work programmes
- ☐ Co-Funded partnership
- ☐ Co-Programmed partnership
- ☐ Institutionalised Partnership

* Please explain briefly your choice:

500 character(s) maximum

3. In your view, how relevant are the following elements and activities to ensure that the proposed European Partnership would meet its objectives?

Setting joint long-term agenda with strong involvement of:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Member States and Associated Countries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Academia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Foundations and Non-Governmental Organisations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other societal stakeholders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Pooling and leveraging resources (financial, infrastructure, in-kind expertise etc.) through coordination, alignment or integration with:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Member States and Associated Countries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Academia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Foundations and Non-Governmental Organisations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other societal stakeholders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Partnership composition:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Flexibility in the composition of partners over time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Involvement of a broad range of partners, including across disciplines and sectors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Implementing the following activities:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Joint R&I programme	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Collaborative R&I projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Deployment and piloting activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Input to regulatory aspects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Co-creation of solutions with end-users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4. In your view, how relevant is to set up a specific legal structure (funding body) for the candidate European Partnership to achieve the following?

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Implement its activities more effectively	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Implement activities faster to respond to sudden market or policy needs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Implements activities more transparently	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increase financial leverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Ensure better links to regulators	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure better links to practitioners on the ground	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Obtain more buy-in and long-term commitment from other partners	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure harmonisation of standards and approaches	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Facilitate synergies with other EU and national programmes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Facilitate collaboration with other relevant European Partnerships	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

5. What is your view on the scope and coverage proposed for this candidate institutionalised European Partnership, based on its inception impact assessment?

	Too narrow	Right scope & coverage	Too broad	Don't know
Technologies covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Research areas covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Geographical coverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Types of partners covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Range of activities covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sectoral coverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please provide any comment you may have on the proposed scope and coverage for this candidate Institutionalised Partnership:

500 character(s) maximum

6. In your view, would it be possible to rationalise the candidate European Institutionalised Partnership and its activities, and/or to better link it with other comparable initiatives?

- ☐ Yes
☐ No

(Yes) Please explain why? Which other comparable initiatives could it be linked with?

500 character(s) maximum

(No) Please explain why other comparable initiatives are not suitable to be linked with?

500 character(s) maximum

7. In your view, how relevant is it for the candidate European Institutionalised Partnership to deliver on the following impacts?

Societal impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Improved public health on the basis of reduction of pollutants, particulates and noise emissions compared to current aircraft technologies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reduced CO2 emissions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Novel competitive cross-sectoral solutions for decarbonisation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Economic/technological impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Increased industrial leadership in aviation technologies and uptake of new technologies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Creation of jobs in the low-carbon economy by strengthening the European aeronautics sector	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
New demand side solutions to decarbonise the transport systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Better cross-fertilisation of innovative ideas from SMEs to large companies that can bring them to mass market	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Highly skilled jobs in industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Low-carbon and competitive transport solutions across all modes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Acceleration of key technologies through selected integrated demonstrators	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Scientific impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know

Advancement of science by stimulating innovation along the entire aviation sector	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
New scientific knowledge and reinforcement of EU scientific capabilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Clean Hydrogen

The European Commission is assessing whether to propose an Institutionalised European Partnership on Clean Hydrogen under Horizon Europe. Its overall objective would be to create a strong, innovative and competitive European Clean Hydrogen sector, fully capable of underpinning the European energy transition by accelerating the market entry of nearly-zero carbon hydrogen-based technologies and delivering a wide range of socio-economic benefits to the European society.

The proposed partnership would build on the experience gained in the existing Fuel Cells and Hydrogen 2 Joint Undertaking (FCH 2 JU), but could significantly revise its scope, expand partners and take account of the strengthened scientific, societal, economic and technological impact criteria of Horizon Europe. FCH 2 JU is a public-private partnership between the EU and the Hydrogen and Fuel Cells industry, established under Horizon 2020 (on the basis of Article 187 TFEU) and which functioning is currently planned until 31 December 2024.

The [inception impact assessment](#) outlines an early description of the problems, objectives, options and likely impact of a candidate European Partnership in this field.

1. To what extent do you think this is relevant for research and innovation efforts at EU level to address the following problems in relation to hydrogen and fuel cells?

Research and innovation problems:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Lack of understanding of or knowledge about hydrogen and fuel cells	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Innovation gap in the EU in translating the results of hydrogen and fuel cells research into new products	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of interest of major market players to engage in hydrogen and fuel cells research	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Structural and resource problems:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know

Limited collaboration and pooling of resources between public actors and private actors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Limited role of the current industrial policy in framing the market perspectives related to hydrogen and fuel cells innovation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Problems in uptake of hydrogen and fuel cells innovations due to:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Small current market size	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Market failures due to inadequate industry investment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of refuelling infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of funding or de-risking financial instruments for large-scale hydrogen/fuel cell projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Overly restrictive regulation in the field of hydrogen and fuel cells	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Overly restrictive regulation in energy markets and in particular for energy carriers that enable sector coupling across different areas (power, gas, fuels for transport networks)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
High financial risk for early movers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fragmentation among players and lack of critical mass	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fragmentation among Member States and lack of EU binding targets and bonding networks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
High costs of clean hydrogen and fuel cells solutions that hinder mass commercialisation until serial production is achieved, factoring-in economies of scale	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

2. In your view, how should the specific challenges described above be addressed through Horizon Europe intervention?

European Partnerships may take any of the following forms:

- a) Co-programmed European Partnerships: based on memoranda of understanding and/or contractual arrangements between the Commission and private and/or public partners;
- b) Co-funded European Partnerships: based on participation in and financial contribution to a programme of R&I activities, using a Programme co-fund action; or
- c) Institutionalised European Partnerships: based on participation in and financial contribution to R&I programmes undertaken by several Member States (under Article 185 TFEU) or by bodies established under Article 187 TFEU (Institutionalised European Partnerships)

☐ Traditional calls under Horizon Europe work programmes

- ☐ Co-Funded partnership
- ☐ Co-Programmed partnership
- ☐ Institutionalised Partnership

* Please explain briefly your choice:

500 character(s) maximum

3. In your view, how relevant are the following elements and activities to ensure that the proposed European Partnership would meet its objectives?

Setting joint long-term agenda with strong involvement of:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Member States and Associated Countries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Academia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Foundations and Non-Governmental Organisations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other societal stakeholders (e.g. end users, regulators, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Pooling and leveraging resources (financial, infrastructure, in-kind expertise etc.) through coordination, alignment or integration with:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Member States and Associated Countries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Academia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Foundations and Non-Governmental Organisations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other societal stakeholders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Partnership composition:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Flexibility in the composition of partners over time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Ensuring a broad range of partners, including across disciplines and sectors (e.g. academia, research performing organisations, Member States representatives other EU Agencies like EDA, EMSA and other partnerships, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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Implementing the following activities:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Joint R&I programme	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Collaborative R&I projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Deployment and piloting activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Input to regulatory aspects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Co-creation of solutions with end-users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4. In your view, how relevant is to set up a specific legal structure (funding body) for the candidate European Partnership to achieve the following?

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Implement its activities more effectively	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Implement activities faster to respond to sudden market or policy needs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Implements activities more transparently	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increase financial leverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure better links to regulators	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure better links to practitioners on the ground	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Obtain more buy-in and long-term commitment from other partners	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure harmonisation of standards and approaches	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Facilitate synergies with other EU and national programmes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Facilitate collaboration with other relevant European Partnerships	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

5. What is your view on the scope and coverage proposed for this candidate institutionalised European Partnership, based on its inception impact assessment?

	Too narrow	Right scope & coverage	Too broad	Don't know
Technologies covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Research areas covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Geographical coverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Types of partners covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Range of activities covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sectoral coverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please provide any comment you may have on the proposed scope and coverage for this candidate Institutionalised Partnership:

500 character(s) maximum

6. In your view, would it be possible to rationalise the candidate European Institutionalised Partnership and its activities, and/or to better link it with other comparable initiatives?

- ☐ Yes
☐ No

(Yes) Please explain why? Which other comparable initiatives could it be linked with?

500 character(s) maximum

(No) Please explain why other comparable initiatives are not suitable to be linked with?

500 character(s) maximum

7. In your view, how relevant is it for the candidate European Institutionalised Partnership to deliver on the following impacts?

Societal impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know

Improved public health: reduction of pollutants, particulates and noise emissions compared to direct fossil fuel combustion	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improved working conditions (e.g. for transport professionals, or on construction sites) by eliminating toxic and harmful local emissions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Novel competitive cross-sectoral solutions for decarbonisation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Economic/technological impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Increased industrial leadership in hydrogen technologies and uptake of new technologies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Preparation of re-skilling of human resources towards high value-added markets with increasing weight in the economy (adaptation to phase-out /replacement of old technologies)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Provision of a solution for storing renewable energy for later use	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Creation of jobs in the low-carbon economy by strengthening the European hydrogen sector	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
New demand-side solutions to decarbonise the energy and transport systems (also in remote /isolated areas)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Better cross-fertilisation of innovative ideas from SMEs to large companies that can bring them to mass market	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Highly skilled jobs in industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Low-carbon and competitive solutions for heavy duty and long-distance transport	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Low-carbon and competitive solutions for all modes of transport	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Scientific impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Contribution to the advancement of science by stimulating innovation along the entire hydrogen value chain	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

New scientific knowledge and reinforcement of EU scientific capability	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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Safe and Automated Road Transport

The European Commission is assessing whether to propose a new Institutionalised European Partnership on Safe and Automated Road Transport under Horizon Europe. Its overall objective would be to provide a clear long-term framework for the strategic planning of research and pre-deployment programmes for Safe and Automated Road Transport making sure that investments at local, regional and national level, both of public and private nature, are complementing each other more effectively.

The proposed partnership would take as a starting point the work developed by the Strategic Transport Research and Innovation Agenda (STRIA) and in particular the proposed R&I initiatives in the STRIA Roadmap report to jointly develop a research and innovation roadmap for Connected and Automated Transport.

The [inception impact assessment](#) outlines an early description of the problems, objectives, options and likely impact of a candidate European Partnership in this field.

1. To what extent do you think this is relevant for research and innovation efforts at EU level to address the following problems in relation to road transport?

Research and innovation problems:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Insufficient understanding of technical and non-technical requirements for cooperative, connected and automated mobility (CCAM) services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of a shared strategic planning of research and pre-deployment programmes for cooperative, connected and automated mobility (CCAM)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Limited capacity to develop a common testing framework	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Insufficient sharing of expertise in specific solutions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gap between research and the development of innovative products and services in road mobility and also between developers and validators /certifiers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Structural and resource problems:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Limited collaboration and pooling of resources between public and private actors such as vehicle manufacturers, road operators, digital service providers, research centres and public organisations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
High cost and high risk of developing and testing new infrastructure and equipment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Problems in uptake of automated road transport innovations due to:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Market fragmentation due to R&I efforts not being sufficiently targeted towards systemic and interoperable solutions across the EU	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
R&I efforts targeting relatively low technology levels rather than demonstration projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of synergies and synchronized innovation in related segments and value chains (e.g. telecommunications, digital maps, mobility as a service, automation)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of consideration of societal or user needs; concerns with the uses of cooperative, connected and automated mobility and their interaction with road safety, ethics and data privacy issues	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

2. In your view, how should the specific challenges described above be addressed through Horizon Europe intervention?

European Partnerships may take any of the following forms:

- a) Co-programmed European Partnerships: based on memoranda of understanding and/or contractual arrangements between the Commission and private and/or public partners;
- b) Co-funded European Partnerships: based on participation in and financial contribution to a programme of R&I activities, using a Programme co-fund action; or
- c) Institutionalised European Partnerships: based on participation in and financial contribution to R&I programmes undertaken by several Member States (under Article 185 TFEU) or by bodies established under Article 187 TFEU (Institutionalised European Partnerships)

- ☐ Traditional calls under Horizon Europe work programmes
- ☐ Co-Funded partnership
- ☐ Co-Programmed partnership
- ☐ Institutionalised Partnership

* Please explain briefly your choice:

500 character(s) maximum

3. In your view, how relevant are the following elements and activities to ensure that the proposed European Partnership would meet its objectives?

Setting joint long-term agenda with strong involvement of:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Member States and Associated Countries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Academia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Foundations and Non-Governmental Organisations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other societal stakeholders (e.g. representatives of cities, vulnerable road users, research institutes and universities)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Pooling and leveraging resources (financial, infrastructure, in-kind expertise etc.) through coordination, alignment or integration with:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Member States and Associated Countries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Academia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Foundations and Non-Governmental Organisations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other societal stakeholders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Partnership composition:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Flexibility in the composition of partners over time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensuring a broad range of partners , including across disciplines and sectors (e.g. Member States, EU, public as well as private transport						

operators, automotive suppliers, fleet operators, maps and navigation systems and services suppliers, user organisations, emergency/police services, digital infrastructure, artificial intelligence, data management and platform providers, and service providers, companies of different sizes including SMEs, academia and research organisations)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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Implementing the following activities:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Joint R&I programme	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Collaborative R&I projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Deployment and piloting activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Input to regulatory aspects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Co-creation of solutions with end-users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4. In your view, how relevant is to set up a specific legal structure (funding body) for the candidate European Partnership to achieve the following?

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Implement its activities more effectively	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Implement activities faster to respond to sudden market or policy needs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Implements activities more transparently	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increase financial leverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure better links to regulators	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure better links to practitioners on the ground	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Obtain more buy-in and long-term commitment from other partners	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure harmonisation of standards and approaches	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Facilitate synergies with other EU and national programmes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Facilitate collaboration with other relevant European Partnerships	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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5. What is your view on the scope and coverage proposed for this candidate institutionalised European Partnership, based on its inception impact assessment?

	Too narrow	Right scope & coverage	Too broad	Don't know
Technologies covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Research areas covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Geographical coverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Types of partners covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Range of activities covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sectoral coverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please provide any comment you may have on the proposed scope and coverage for this candidate Institutionalised Partnership:

500 character(s) maximum

6. In your view, would it be possible to rationalise the candidate European Institutionalised Partnership and its activities, and/or to better link it with other comparable initiatives?

- ☐ Yes
☐ No

(Yes) Please explain why? Which other comparable initiatives could it be linked with?

500 character(s) maximum

(No) Please explain why other comparable initiatives are not suitable to be linked with?

500 character(s) maximum

7. In your view, how relevant is it for the candidate European Institutionalised Partnership to deliver on the following impacts?

Societal impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
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Improved traffic efficiency and less time spent in traffic	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improved road safety	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Better quality road infrastructure	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
More inclusive mobility	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reduced environmental externalities of road transport: air pollutants	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reduced environmental externalities of road transport: CO2 emissions / Fuel consumption	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Improved trust and awareness of innovative solutions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Economic/technological impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
More innovative, sustainable and globally competitive cooperative, connected and automated mobility industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
New jobs and business opportunities in the sector	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Need for reskilling current workers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Less expenditure required in road infrastructure expansion and maintenance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reduced administrative burden for applicants and beneficiaries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reduced risk of investment in innovative solutions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increased number of patents in Europe in this sector	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Scientific impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Increased scientific cooperation in the field	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
New scientific knowledge created and reinforcement of EU scientific capability	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Circular bio-based Europe

The European Commission is assessing whether to propose an Institutionalised European Partnership on Circular Bio-based Europe under Horizon Europe. Its overall objective would be to seek new ways of producing and consuming by respecting the ecological boundaries of our planet in a world of limited resources, with pressing global challenges like climate change, land and ecosystem degradation and growing population.

The proposed partnership would build on the experience gained in the existing “Bio-based Industries Joint Technology Initiative” (BBI Initiative), established under Horizon 2020 (on the basis of Article 187 TFEU) with the last call being launched in 2020, but would revise its scope and partners and take into account the strengthened scientific, societal, economic and technological impact criteria of Horizon Europe.

The [inception impact assessment](#) outlines an early description of the problems, objectives, options and likely impacts of a candidate European Partnership in this field.

1. To what extent do you think this is relevant for research and innovation efforts at EU level to address the following problems in relation to circular bio-based field?

Research and innovation problems:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Lack of understanding of the circular and bio-based economy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Innovation gap in the EU in translating the results of research into the development of innovative circular and bio-based products	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Structural and resource problems:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Limited collaboration and pooling of resources between public actors and private actors such as biomass producers, bio-refineries and biotechnology companies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of consideration of user needs when translating the results of research and innovation into more sustainable products for the citizens	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Problems in uptake of circular bio-based innovations due to:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Barriers to exploitation due to for example difficulty in licensing of intellectual property rights	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of competitiveness with the traditional products/materials (e.g fossil based, due to higher production cost)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of economic and regulatory incentives for biobased products/ producers	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of consumer acceptance or understanding (both business and individual)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
High cost of transition to use of biobased materials (e.g. retrofitting of vehicle parts)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of private investment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of public investment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Commonly used product specifications are not addressing favourable bio-based properties	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Favourable biobased products do not fullfil some commonly used product specifications	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Market failures and lack of adequate business models	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

2. In your view, how should the specific challenges described above be addressed through Horizon Europe intervention?

European Partnerships may take any of the following forms:

- a) Co-programmed European Partnerships: based on memoranda of understanding and/or contractual arrangements between the Commission and private and/or public partners;
- b) Co-funded European Partnerships: based on participation in and financial contribution to a programme of R&I activities, using a Programme co-fund action; or
- c) Institutionalised European Partnerships: based on participation in and financial contribution to R&I programmes undertaken by several Member States (under Article 185 TFEU) or by bodies established under Article 187 TFEU (Institutionalised European Partnerships)

- ☐ Traditional calls under Horizon Europe work programmes
- ☐ Co-Funded partnership
- ☐ Co-Programmed partnership
- ☐ Institutionalised Partnership

* Please explain briefly your choice:

500 character(s) maximum

3. In your view, how relevant are the following elements and activities to ensure that the proposed European Partnership would meet its objectives?

Setting joint long-term agenda with strong involvement of:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Member States and Associated Countries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Academia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Foundations and Non-Governmental Organisations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other societal stakeholders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Pooling and leveraging resources (financial, infrastructure, in-kind expertise etc.) through coordination, alignment or integration with:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Member States and Associated Countries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Academia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Foundations and Non-Governmental Organisations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other societal stakeholders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Partnership composition:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Flexibility in the composition of partners over time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Involvement of a broad range of partners, including across disciplines and sectors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Implementing the following activities:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Joint R&I programme	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Collaborative R&I projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Deployment and piloting activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Input to regulatory aspects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Co-creation of solutions with end-users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4. In your view, how relevant is to set up a specific legal structure (funding body) for the candidate European Partnership to achieve the following?

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Implement its activities more effectively	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Implement activities faster to respond to sudden market or policy needs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Implements activities more transparently	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increase financial leverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure better links to regulators	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure better links to practitioners on the ground	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Obtain more buy-in and long-term commitment from other partners	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure harmonisation of standards and approaches	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Facilitate synergies with other EU and national programmes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Facilitate collaboration with other relevant European Partnerships	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

5. What is your view on the scope and coverage proposed for this candidate institutionalised European Partnership, based on its inception impact assessment?

	Too narrow	Right scope & coverage	Too broad	Don't know
Technologies covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Research areas covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Geographical coverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Types of partners covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Range of activities covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sectoral coverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please provide any comment you may have on the proposed scope and coverage for this candidate Institutionalised Partnership:

500 character(s) maximum

6. In your view, would it be possible to rationalise the candidate European Institutionalised Partnership and its activities, and/or to better link it with other comparable initiatives?

- ☐ Yes
☐ No

(Yes) Please explain why? Which other comparable initiatives could it be linked with?

500 character(s) maximum

(No) Please explain why other comparable initiatives are not suitable to be linked with?

500 character(s) maximum

7. In your view, how relevant is it for the candidate European Institutionalised Partnership to deliver on the following impacts?

Societal impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Increased adaptation of production systems	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reinforced supply of sustainable biomaterials	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reduced greenhouse gas emissions	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
More sustainable management of natural resources, prevention of pollution	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensurance of sustainable biomass and nutrients sourcing as well as reducing air, water and soil pollution	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Maximised valorisation of organic waste, and agriculture and forestry residues	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Replacement of oil-based chemicals and materials with bio-based and biodegradable ones	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increased sustainability of agriculture & forestry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Addressing the trade-off between stable supply of biomaterials/biomass for use in the bio-economy and the need for biomass for food production and ecosystem services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increased knowledge of the biomass sourcing for the circular bio-based economy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Economic/technological impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Creation of jobs in rural and underdeveloped areas	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Delivery of bio-based products that are comparable and/or superior to fossil-based products in terms of price, performance, availability and environmental benefits	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increased number of patents in Europe in this sector	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Scientific impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Increased scientific cooperation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
New scientific knowledge and reinforcement of EU scientific capabilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Innovative Small and Medium-Sized Enterprises

The European Commission is assessing whether to propose an Institutionalised European Partnership on innovative small and medium-sized enterprises. The overall objective of the proposed initiative is to support fast-growing and innovative SMEs to develop new products, processes and services that help to improve the daily lives of people and boost European competitiveness. It will do so by funding market-led, cross-border, collaborative research and innovation as well as accompanying measures supporting market uptake.

The proposed partnership would build on the experience gained in the existing Eurostars2 Programme but would significantly revise its scope and expand its partners and take into account the strengthened scientific, societal, economic and technological impact criteria of Horizon Europe.

The Eurostars2 Programme, established in 2014 under Horizon 2020 (as an Article 185 TFEU initiative), supports international cooperation between SMEs, with 36 participating countries from Europe and worldwide. This was preceded by Eurostars Joint Programme (2008-2013) under FP7.

The [inception impact assessment](#) outlines an early description of the problems, objectives, options and likely impact of a candidate European Partnership in this field.

1. To what extent do you think this is relevant for research and innovation efforts at EU level to address the following problems in relation to innovative small and medium-sized enterprises?

Research and innovation problems:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Lack of understanding of or knowledge about scaling small and medium sized enterprises	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Innovation gap in the EU in scaling small and medium-sized enterprises	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Structural and resource problems:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Limited collaboration and pooling of resources between public actors and private actors i.e. businesses, private investors	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Problems in uptake of innovative solutions from small and medium sized enterprises due to:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't Know
Market size (national markets)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Regulatory barriers in the field of investments	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Barriers to exploitation due to lack of access to national and international markets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lack of consideration of societal or user needs when supporting small and medium-sized enterprises	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Insufficient digitalisation (data access and analysis, interoperability)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Concerns with use of digital tools for privacy or security reasons



2. In your view, how should the specific challenges described above be addressed through Horizon Europe intervention?

European Partnerships may take any of the following forms:

- a) Co-programmed European Partnerships: based on memoranda of understanding and/or contractual arrangements between the Commission and private and/or public partners;
- b) Co-funded European Partnerships: based on participation in and financial contribution to a programme of R&I activities, using a Programme co-fund action; or
- c) Institutionalised European Partnerships: based on participation in and financial contribution to R&I programmes undertaken by several Member States (under Article 185 TFEU) or by bodies established under Article 187 TFEU (Institutionalised European Partnerships)

- ☐ Traditional calls under Horizon Europe work programmes
- ☐ Co-Funded partnership
- ☐ Co-Programmed partnership
- ☐ Institutionalised Partnership

* Please explain briefly your choice:

500 character(s) maximum

3. In your view, how relevant are the following elements and activities to ensure that the proposed European Partnership would meet its objectives?

Setting joint long-term agenda with strong involvement of:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Member States and Associated Countries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Academia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Foundations and Non-Governmental Organisations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other societal stakeholders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Pooling and leveraging resources (financial, infrastructure, in-kind expertise etc.) through coordination, alignment or integration with:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Member States and Associated Countries	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Industry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Academia	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Foundations and Non-Governmental Organisations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other societal stakeholders	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Partnership composition:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Flexibility in the composition of partners over time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Involvement of a broad range of partners, including across disciplines and sectors (such as academia, research performing organisations, Member States representatives...)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Implementing the following activities:

	1 (Not relevant)	2	3	4	5 (Very relevant)	Don't Know
Joint R&I programme	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Collaborative R&I projects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Deployment and piloting activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Input to regulatory aspects	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Co-creation of solutions with end-users	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4. In your view, how relevant is to set up a specific legal structure (funding body) for the candidate European Partnership to achieve the following?

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Implement its activities more effectively	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Implement activities faster to respond to sudden market or policy needs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Implements activities more transparently	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increase financial leverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure better links to regulators	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure better links to practitioners on the ground	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Obtain more buy-in and long-term commitment from other partners	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Ensure harmonisation of standards and approaches	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Facilitate synergies with other EU and national programmes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Facilitate collaboration with other relevant European Partnerships	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

5. What is your view on the scope and coverage proposed for this candidate institutionalised European Partnership, based on its inception impact assessment?

	Too narrow	Right scope & coverage	Too broad	Don't know
Technologies covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Research areas covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Geographical coverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Types of partners covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Range of activities covered	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Sectoral coverage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Please provide any comment you may have on the proposed scope and coverage for this candidate Institutionalised Partnership:

6. In your view, would it be possible to rationalise the candidate European Institutionalised Partnership and its activities, and/or to better link it with other comparable initiatives?

- ☐ Yes
☐ No

(Yes) Please explain why? Which other comparable initiatives could it be linked with?

500 character(s) maximum

(No) Please explain why other comparable initiatives are not suitable to be linked with?

500 character(s) maximum

7. In your view, how relevant is it for the candidate European Institutionalised Partnership to deliver on the following impacts?

Societal impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
New products, processes and services that help to improve the daily lives of people	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Economic/technological impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Scale-up of innovative small and medium sized companies in the EU boosting European competitiveness	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
More appealing and creative jobs in Europe, requiring high-skills	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Increased coherence, effectiveness and efficiency of national research and innovation ecosystems in support of innovative SMEs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Scientific impact:

	1 (Not relevant at all)	2	3	4	5 (Very relevant)	Don't know
Widened participation in EU research and innovation funding to SMEs based in countries with lower research, development and innovation intensity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
New scientific knowledge and reinforcement of EU scientific capabilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>