With a proposed budget of 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. Based on the agreement, a Strategic Plan will put forward the priorities for the first four years of Horizon Europe. In parallel, the Commission has begun designing the Implementation strategy, a tool to focus attention, planning efforts and resources to the rules, processes, systems, documents and guidance, so that they are ready in time for the programme start.

We invite you to contribute to co-designing the implementation of the future research and innovation programme by responding to this questionnaire. You can further engage by participating in the European Research and Innovation Days on 24-25-26 September 2019 in Brussels.

Prior to responding to the questions, please read the attached document: “Orientations towards the Implementation Strategy of the research and Innovation framework programme Horizon Europe”. This consultation is linked to the ongoing “Horizon Europe Co-design 2021-2024” web consultation.

The questionnaire can only be submitted if you replied at least to the obligatory questions marked with an asterisk. Replying to all questions takes approximately 30 minutes. You can interrupt and resume at a later stage. Please don’t forget to save frequently.

The extended deadline for replying is October 4.

About you

- You are responding:
  - As an individual
  - As a representative of a single organisation
  - As a representative of an ‘umbrella’ organisation (a group of organisations)

- You are responding as:
  - a researcher
  - an entrepreneur
  - an expert in research and innovation
  - a citizen
  - other
• You are representing:
  ○ a university
  ○ a research organisation
  ○ a business or an industry
  ○ an international organisation
  ○ a national public authority
  ○ a regional or local public authority
  ○ a non governmental organisation including civil society organisations
  ○ other

• Name of the organisation
  150 character(s) maximum
  EGEC

Your name and last name
  150 character(s) maximum
  Philippe Dumas

• What is your country of residence or establishment?
  Belgium

• Please select the option that best describes your interest in European Union Research and Innovation (R&I) framework programmes:
  ○ I/my organisation is currently participating in at least one project funded by a European Union R&I framework programme.
  ○ I/my organisation has proposed and/or participated in project(s) funded by a European Union R&I framework programme in the past, but I am/it is not participating in a running project at this moment.
  ○ I/my organisation has not yet proposed or participated in projects funded by European Union R&I framework programmes, but would be interested to do so.
  ○ I/my organisation currently does not intend to propose and/or participate in projects funded by European Union R&I framework programmes, but I may be interested in the results of the projects/programme.

• 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 to the personal data protection provisions
1. Work programme

The detailed allocation of Horizon Europe funding to calls will be decided through a strategic planning process resulting in multiannual work programmes. The way in which the priorities are translated into calls and topics may impact on the effectiveness of programme implementation.

See section 3.1 “Work Programme design” (page 7) of the accompanying document.

1.1. In your view, how important are these elements for the preparation of a good proposal?

<table>
<thead>
<tr>
<th>Element</th>
<th>1 (not important at all)</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5 (very important)</th>
<th>I don't know</th>
</tr>
</thead>
<tbody>
<tr>
<td>Work programmes which are multiannual</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>No changes to work programmes unless there are urgent, previously unforeseen needs</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Multiannual topics which offer the possibility of submission for more than one deadline</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

1.2. In your view, how important are these elements for the preparation of a good proposal for the 'Global Challenges and European Industrial Competitiveness’ part of the future Horizon Europe work programmes?

<table>
<thead>
<tr>
<th>Element</th>
<th>1 (not important at all)</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5 (very important)</th>
<th>I don't know</th>
</tr>
</thead>
<tbody>
<tr>
<td>The applicant can decide which type of action is most appropriate for achieving the targeted impact (e.g. Research and Innovation Action [RIA], Innovation Action [IA] or Coordination and Support Action [CSA])</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Indication of the TRL (technology readiness level) expected by the end of the project</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Topics which allow for a wide range of possible pathways to achieve the targeted impact</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Topics which distinguish between the short-term outcomes expected and the longer-term impacts targeted</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

1.3. What could be improved in the structure of the work programme and/or its calls to make it easier for applicants?

500 character(s) maximum
mix of technology specific and system approach calls

2. Submission and Evaluation

The system for proposal submission and evaluation under Horizon Europe will largely be based on the current approaches, but a number of improvements are envisaged.

See section 3.2 “Submission and Evaluation” (page 9) of the accompanying document.

2.1. What aspects are most important to you in the submission and evaluation process? *(rank your answers by order of preference)*

<table>
<thead>
<tr>
<th></th>
<th>1 (least important)</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5 (most important)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simple proposal templates</td>
<td>✿</td>
<td>✿</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fast time-to-grant</td>
<td>✿</td>
<td>✿</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Detailed feedback if unsuccessful</td>
<td>✿</td>
<td></td>
<td>✿</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Two-stage procedure to reduce initial burden</td>
<td>✿</td>
<td></td>
<td></td>
<td>✿</td>
<td></td>
</tr>
<tr>
<td>Other <em>(please specify below)</em></td>
<td>✿</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2.2. How important are the following specific changes in your view?

<table>
<thead>
<tr>
<th></th>
<th>1 (not important at all)</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5 (very important)</th>
<th>I don't know</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simplify the aspects to be considered under the three evaluation criteria (“Excellence”, “Impact” and “Quality and efficiency of the implementation”)</td>
<td>✿</td>
<td>✿</td>
<td></td>
<td>✿</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Simplify or remove assessment of project management structures</td>
<td>✿</td>
<td>✿</td>
<td></td>
<td>✿</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Run a pilot for blind evaluation, for the first stage of two-stages calls</td>
<td>✿</td>
<td>✿</td>
<td></td>
<td>✿</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Run a pilot scheme allowing applicants to react to preliminary evaluation comments, before they are finalised</td>
<td>✿</td>
<td>✿</td>
<td></td>
<td>✿</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2.3. What other modifications to the submission and evaluation system do you consider necessary, and why? Would they entail trade-offs with other desirable changes?
decide a calendar to publish calls relevant for all parties, taking into account summer time and christmas time.

2.4. Where relevant (e.g. for missions), how should the evaluation process combine an assessment of the intrinsic quality of individual proposals with their potential contribution to a consistent portfolio?

consider in the energy sector, the system approach

3. Model Grant Agreement

Horizon Europe will make use of a standard model grant agreement (MGA) to be used by all EU funding programmes fully aligned with the Financial Regulation. The MGA for Horizon Europe will cater for the programme specific needs/objectives as e.g. on Intellectual Property Rights, ethics, gender, recruitment and working conditions for researchers, research infrastructure, security, etc.

See section 3.3 “Model Grant Agreement” (page 12) of the accompanying document.

3.1. Would the use of the same standard Model Grant Agreement for all EU directly managed funding programmes facilitate synergies between them?

- 1 (not at all)
- 2
- 3
- 4
- 5 (certainly)
- I don't know

3.2. Which provisions in the current Horizon 2020 Model Grant Agreement should be revised? (rank your top 5 provisions by order of preference)

<table>
<thead>
<tr>
<th>Provision</th>
<th>1 (least important)</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5 (most important)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Personnel costs provisions</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Internally invoiced goods and services provisions</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Equipment costs provisions</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reporting provisions</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Termination and suspension provisions</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Amendment provisions</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
3.3. Should the MGA contain a data sheet with key information on costs, forms of funding, reporting and payment schedules?

- 1 (not useful at all)
- 2
- 3
- 4
- 5 (very useful)
- I don't know

3.4. How can we improve the clarity of the Annotated Model Grant Agreement for Horizon Europe?

500 character(s) maximum

4. Dissemination and Exploitation

Horizon Europe will give more emphasis to the dissemination and exploitation (D&E) of the Research & Innovation (R&I) results, sharing the knowledge better and creating a higher impact.

See section 3.4 “Dissemination & Exploitation” (page 15) of the accompanying document.

4.1. What would be useful in your view to improve the dissemination and exploitation of projects results?

<table>
<thead>
<tr>
<th>1 (not relevant at all)</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5 (very relevant)</th>
<th>I don't know</th>
</tr>
</thead>
<tbody>
<tr>
<td>Improved visibility and searchability of the results on the Funding &amp; Tenders Portal at the project and individual level</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Easy-to-use search functionalities on the Funding &amp; Tenders Portal for expertise of beneficiaries and/or follow-up activities</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Possibility for beneficiaries to complete their own public/private/project profiles in a dedicated platform with information they want to disseminate, including key needs for support</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Possibility for beneficiaries to complete their own public/private/project profiles in a dedicated platform with information on past affiliation to projects</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>
4.2. Dissemination & Exploitation (D&E) is part of the evaluation criteria and constitutes a separate Work Package in the project’s life cycle. How can beneficiaries’ understanding around D&E be improved?

- Maintain D&E as subject to proposal evaluation
- Enhance training and raise awareness around D&E to applicants (using the Funding & Tenders Portal, existing networks such as EEN, NCPs, etc.)
- Create a follow up support mechanism on D&E for beneficiaries
- Prefill parts of the proposal with previous Framework Programme funded results of the applicant (where applicable)

4.3. How could the European Commission incentivise beneficiaries to report on dissemination and exploitation after the end of the project?

<table>
<thead>
<tr>
<th>Proposal</th>
<th>1 (not relevant at all)</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5 (very relevant)</th>
<th>I don’t know</th>
</tr>
</thead>
<tbody>
<tr>
<td>Keep the Horizon 2020 approach and provide tailor-made services through activities such as the Dissemination &amp; Exploitation boosters</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Introduce and apply financial penalties for non-compliance</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Combine the obligation with financial incentives for further exploitation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Making platforms available for communicating results to potential users</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4.4. Exploiting the full potential of R&I results for sustainable policy making is becoming more and more important. How could we strengthen the feedback to policy and decision making, based on R&I results, at EU, local, regional, national, international levels?

500 character(s) maximum

use platforms such as SET Plan IWG and ETIPs

5. Data and Reporting

Project reporting in Horizon Europe should cover all the information and data necessary for project and programme monitoring, while keeping the reporting burden for beneficiaries at an acceptable level. Greater attention will be dedicated to information and data on the output and impact of the funded projects and on the dissemination and exploitation of the results. Data collected from projects will be enriched by linking to other data sources. Tools for accessing, analysing and visualising the data will be made available for Member States, policy makers, researchers and the general public.
See section 3.5 “Reporting and Data Collection” (page 19) of the accompanying document.

5.1. Which parts of the Horizon 2020 reporting templates and guidance require improvements? *rank your top 3 answers by order of preference*

<table>
<thead>
<tr>
<th>1 (least important)</th>
<th>2</th>
<th>3 (most important)</th>
</tr>
</thead>
<tbody>
<tr>
<td>* Financial reporting part</td>
<td></td>
<td></td>
</tr>
<tr>
<td>* Template for the technical report</td>
<td></td>
<td></td>
</tr>
<tr>
<td>* Data collection on publications, IPR, dissemination and communication activities, societal issues</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

5.2. Please give us one concrete suggestions for improving the project reporting:

* 500 character(s) maximum

some parts could be online including e.g. questionnaire

5.3. Have you already used the Horizon 2020 Dashboard?

- Yes
- No

5.3a. Which parts of the Horizon Dashboard do you find most useful? *rank your answers by order of preference*

<table>
<thead>
<tr>
<th>1 (least useful)</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6 (most useful)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Horizon 2020 proposals dashboard</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Horizon 2020/FP7 projects dashboard</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Horizon 2020/FP7 project results dashboard</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Horizon 2020 country profiles</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>European Innovation Council dashboard</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Seal of excellence dashboard</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

5.4. On which other aspects would you like to have a specific dashboard?

* 500 character(s) maximum
5.5. The European Commission proposes to create a central EU R&I data hub on data from the EU R&I investments made at EU, national, regional and local levels. Do you consider this could support the definition of R&I policies in Europe at local, regional, national and European levels?

- 1 (not at all)
- 2
- 3
- 4
- 5 (to a great extent)
- I don't know

5.6. What additional orientations would you suggest for maximising the value and use of data from EU R&I programmes?

500 character(s) maximum

Looking at replicability

6. Control strategy

Ex-ante
Under Horizon 2020, the Commission made significant efforts to simplify and harmonize ex ante control practices. Consequently, there is strong emphasize on trust (of beneficiaries and their own control practices) that is combined with a risk-assessment based, lean and targeted control. Ex-ante control under Horizon Europe will build on the foundations and achievements of the common ex-ante control strategy designed for the implementation of Horizon 2020.

See section 3.6.a “Ex-ante control strategy” (page 22) of the accompanying document.

6.1. Are you largely satisfied with the current Horizon 2020 approach for financial reporting i.e. the level of details required in the financial statements (FS) and the prompted details on the so called ‘use of resources’ section?

- Yes
- No

6.2. Under Horizon 2020, the Certificate of Financial Statement (CFS) is an important element of the trust-based ex-ante control approach. Given that it is intended to continue this approach under Horizon Europe, would you have ideas for improvements of the CFS system or suggestion for changes (e.g. in the content, level of details of the CFS)?

500 character(s) maximum

Ex-post
The Commission proposal for Horizon Europe provides for a high level of continuity, based on the principles of common implementation, equal treatment, consistency and better alignment with international audit standards. Under Horizon Europe, a new approach on Systems and Processes Audits (SPAs) will be explored through a review of the main internal control systems and processes of beneficiaries. The objective is to flag risks and to perform audit procedures and walkthrough test in line with the International Standards on Auditing.

See section 3.6.b “Ex-post control strategy” (page 23) of the accompanying document.

6.3. What type of benefits would you expect from a Systems and Processes Audit (SPA)? *(rank by order of preference)*

<table>
<thead>
<tr>
<th></th>
<th>1 (least important)</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5 (most important)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fewer ex-post audits</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Less intensive ex-post audits</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fewer ex-ante Certificates on Financial Statements</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Less intensive ex-ante Certificates on Financial Statements</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reliability for other EU audits</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

6.4. The Systems and Process Audits (SPA) should be valid...
- [ ] until a change in the methodologies of the auditee
- [x] for maximum 3 years after completion for the HE framework programme
- [ ] for the whole Horizon Europe framework programme

6.5. What are the limitations to a SPA?
- [x] Lack of homogeneity of systems and processes inside the same organisation (e.g. when different locations have different internal processes)
- [ ] Nature of processes: some (e.g. subcontracting) are more system approach than others
- [ ] Other *please specify below*

6.6. Would it be useful to seek synergies with national research and innovation funding bodies in the audit field? How could this be implemented in practice in your view and based on your experience if applicable?

500 character(s) maximum

7. Extended use of simplified forms of costs
Significant steps were taken under Horizon 2020 towards the use of simplified forms of costs, through the wider use of unit costs and flat rates and, notably through the first pilot on lump sum project funding in 2018.

See section 3.7 “Extended use of simplified forms of costs” (page 26) of the accompanying document.

7.1. Have you been involved as applicant and/or beneficiary in a lump sum pilot project?
   - Yes
   - No

7.2. Do you think lump sum project funding will make R&I Framework Programme more accessible to...

<table>
<thead>
<tr>
<th></th>
<th>1 (not at all)</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5 (to a great extent)</th>
<th>I don't know</th>
</tr>
</thead>
<tbody>
<tr>
<td>New participants</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Experienced participants</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Smaller actors</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

7.3. To what extent will the abolition of cost reporting and auditing in projects funded by lump sums make project management and administration easier?
   - 1 (not at all)
   - 2
   - 3
   - 4
   - 5 (to a great extent)
   - I don't know

7.4. What is your perception of the system of payments for lump sum project funding?

*500 character(s) maximum*

valuable when a project is capital intensive

7.5. What is the impact of lump sum project funding on the internal management of the consortium (compared to cost-based funding)?
   - 1 (will become way more complex)
   - 2
   - 3
   - 4
   - 5 (will become easier)
   - I don't know

8. Outreach

Feedbacks received from stakeholders consultations, the Horizon 2020 interim evaluation, as well as recommendations by the European Court of Auditors underline that more could be done to better
communicate and engage with stakeholders.

See section 3.8 “Outreach” (page 29) the accompanying document

8.1. With which support services have you interacted, if any, during the course of Horizon 2020?
- Research Enquiry Service
- National Contact Point
- EU programme support office, or similar, in your organisation
- Professional consultant
- Outreach events in Member States
- Coordinator days
- Training to beneficiaries
- Other (please specify below)
- None

8.2. For each service you indicated, what would you propose to improve?

1000 character(s) maximum

9. Digital transformation

A radical simplification of grant management procedures was introduced in Horizon 2020 with, at the heart, a Web interface – the Funding & Tenders Portal – providing a user-friendly one-stop shop for thousands of beneficiaries. Horizon Europe will come with a number of novelties that will need a dedicated IT support.

See section 3.9 “Digital transformation” (page 31) of the accompanying document.

9.1. What do you think about having all the EU funding programmes available in a single Portal?
- It is simpler to find funding opportunities across all EU funding programmes, in just one place
- It provides all potential beneficiaries with a single door to submit their proposals
- It allows for a corporate electronic management of all EU funding programmes
- It is more complex, if I am interested only in one programme
- Other (please specify below)
- I don't know

9.2. Which additional features of the Funding & Tenders Portal would you find useful?
- Partner search at the level of individuals (in addition to the existing organisation based partner search) for finding potential partners for your project ideas
- Person profile page for individuals involved in projects, linking to other data sources (publication databases, social platforms for researchers…)
- Extended interactive programme reporting platform (Horizon 2020 Dashboard)
- Other (please specify below)
- I don't know
9.3. How can we improve the functions of the Funding & Tenders Portal?

- Optimise the search functions
- Make the dashboards more user-friendly
- Revise the system of notifications
- Improve compatibility with different browsers
- Increase system response speed
- Other *(please specify below)*

### 10. European Partnerships

Horizon Europe will support European Partnerships to deliver on European and global challenges, through concerted research and innovation efforts with the Member States, the private sector, foundations and other stakeholders. European Partnerships will be established only in cases where they will more effectively achieve the objectives of Horizon Europe than the Union alone and when compared to other forms of funding under Horizon Europe. Horizon Europe will support a more rationalised, strategic and impact-oriented approach to partnerships. It will also put forward a number of simplifications to ensure a better participant experience, notably central management of financial contributions, common set of rules, use of Commission IT tools and better access to information and results from partnerships.

See section 3.10 “European Partnerships” *(page 34)* of the accompanying document.

- **10.1. Have you received funding from a Joint Undertaking or Article 185 initiative under Horizon 2020?**
  - Yes
  - No

- **10.2. Have you been a partner in a Joint Undertaking or Article 185 initiative under Horizon 2020?**
  - Yes
  - No

10.3. How to most effectively improve the experience in participating in the calls and activities in the context of European Partnerships?

<table>
<thead>
<tr>
<th></th>
<th>1 (strongly disagree)</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5 (strongly agree)</th>
<th>I don't know</th>
</tr>
</thead>
<tbody>
<tr>
<td>By ensuring that the calls would be accessible on the Funding &amp; Tenders Portal</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>By ensuring better communication of opportunities for funding in the context of partnerships</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>By ensuring a single set of rules for participation and for funding (i.e. application of Horizon Europe rules for participation without or with very limited derogations)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
By harmonising and centralising submission, evaluation, and reporting procedures
By ensuring better dissemination and exploitation of results
Other (please specify below)

10.4. How could we make European Partnerships more attractive for prospective partners?

500 character(s) maximum

11. Synergies

Horizon Europe is designed to be implemented in synergy with other Union funding programmes, from their design and strategic planning, to project selection, management, communication, dissemination and exploitation of results, to monitoring, auditing and governance.

See section 3.11 “Synergies between EU funding programmes” (page 35) of the accompanying document.

11.1. Are you familiar with other EU funded programmes?

☐ Yes
☐ No

11.1a. Please specify the programme(s) you are familiar with (CEF, COSME, Erasmus +, European Regional Development Fund, Interreg, LIFE…):

500 character(s) maximum

COSME, Interreg

11.1b. Would you consider that synergies between different EU funded programmes could be useful to promote the deployment and uptake of research results?

☐ 1 (not useful at all)
☐ 2
☐ 3
☐ 4
☐ 5 (extremely useful)
☐ I don't know

11.2. What areas and/or types of projects require adaptations in order to improve synergies amongst EU funded programmes? What would be the key enabling features for making these synergies happen (joint calls between different EU programmes, sharing implementation data, etc.)?
11.3. Have you received a Seal of Excellence under Horizon 2020?
- Yes
- No

11.4. Do you think that simplified State aids rules will enable stronger uptake of Seal of Excellence projects by national and/or regional public authorities?
- 1 (not at all)
- 2
- 3
- 4
- 5 (to a great extent)
- I don't know

11.5. To which extent do you agree with the following statements?

<table>
<thead>
<tr>
<th>Statement</th>
<th>1 (strongly disagree)</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5 (strongly agree)</th>
<th>I don't know</th>
</tr>
</thead>
<tbody>
<tr>
<td>To preserve the chances of obtaining alternative funding, Seal of Excellence should be issued only for a limited type of calls under Horizon Europe</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Information on proposals receiving the Seal of Excellence should be shared with interested financing authorities (with prior consent of the applicants)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12. General input

Please provide here further general input regarding the implementation strategy for Horizon Europe:

Heating and cooling is a very diverse and complex energy sector. There are various energy sources that can meet the different H&C needs of the European economy, from fossil fuels (gas, oil, coal) to renewables (geothermal, solar thermal, bioenergy). There are still more types of H&C needs though, from low temperature heat for space heating, to high temperature for steelmaking, including various temperature levels for process heat. Moreover, cooling needs are various, from cooling a room to a pleasant temperature to maintaining medical supply at the right temperature or generating cold temperatures for industrial purposes. Beyond the use of the energy source directly onsite, various carriers can bring it to the point where it is needed from a centralized facility: district heating (where heat can be transported in the form of hot water or steam, it is a proven solution for geothermal energy in particular), electricity networks (where
electricity from various sources – necessarily renewables such as geothermal, solar or wind - can be transformed into heat or cooling) or gas networks.

For the European geothermal industry the future of the heating and cooling sector requires:

- Reflecting the complexity of the debate to avoid locking in fossil fuels which continue to represent 80% of the heating and cooling sector (in particular gas) as well as most of the electricity sector;
- Understand that the dynamics of the sector, notably in terms of ownership and differences in temperature needs and infrastructure availability prevents “single solutions” at the scale of Europe: different technologies and renewable energy sources are relevant in different cases;
- Acknowledge the importance of considering energy efficiency in the widespread debate, as there are very strong synergies between energy efficiency investments and actions for decarbonizing heating and cooling supplies;
- Fuel switch towards renewables, the only proven solution for decarbonisation – in particular of heating and cooling through the consideration of thermal renewable resources such as geothermal energy.

Sector coupling is increasingly touted as the best solution to solve the decarbonisation challenge in Europe. Yet, behind this appealing concept, lies often proposals for a direct and indiscriminate electrification or switch to so-called “clean gas technologies” – largely unproven at the scale they are touted - of whole sectors, in particular heating and cooling. Such proposals are however more likely to lead to a maintaining of the current structure of the electricity system (fairly centralized, dominated by large fossil or nuclear assets maintained thanks to an increase in electricity needs as a result of electrification for instance) rather than enable a real decarbonisation of the systems which can only be enabled by a fuel switch to renewable energy (regardless of the carrier). However, considering that as of 2017, barely 32% of electricity comes from renewable energy sources, broad electrification will lead to the unintended consequence of justifying the business case of fossil assets, creating stranded assets.

- Renewable energy, energy efficiency must go hand in hand to meet the requirements of the climate imperative driving the energy transition: the heating and cooling sector stands at the crossroad of these priorities.
- Sector coupling risk locking in fossil fuel assets. An integrated approach focused on decarbonisation through fuel switch and energy consumption reduction is necessary.
- Renewable heat, such as geothermal solutions, are widely available resources. They should be tapped to meet the large heating and cooling needs in Europe.
- Sector coupling should be done by focusing on efficiency and decarbonisation: for instance geothermal heat pump systems are very versatile, correspond to a wide array of resources and can be fitted to all types of space heating and cooling needs, and can provide downward or upward flexibility to the electricity system through hourly or seasonal energy storage.

Horizon Europe and national R&D programmes are also much needed to develop the new generation of flexible renewable energy technologies as well as to improve the flexibility of their electricity production. In the period beyond 2020, a strong boost can come from the new Innovation Fund. This should see the EU making upfront funding available at an early stage and bearing part of the risks. Dispatchable and flexible sources of renewable energy are the complement to variable renewable sources. The decarbonisation through the use of renewable must be the focus of R&I programmes at the European level, and geothermal electricity is a key enabler, as such projects can produce electricity, heating and cooling and valuable minerals such as Lithium, where Horizon Europe has a key role in enabling the development of a strategic European technology giving a global competitive edge.

Thank you very much for your input.

An analysis of the results of this co-design consultation will be available after September 2019. The replies will also feed into the organisation of the debate in the co-design sessions at the European Research and Innovation Days on 24-25-26 September 2019 in Brussels.
Contact
Olivier.MARGANNE@ext.ec.europa.eu