Towards the EU Research & Innovation Programme after 2020

Brendan Hawdon
Adviser
DG Research & Innovation
European Commission

This presentation does not represent a formal position of the European Commission. Please refer to official documents.
Some legal aspects

to recall the current activities

From the EU Treaty (TFEU)

Article 182 + 178
A multiannual framework programme, setting out all the activities of the Union, shall be adopted ...

From the EURATOM Treaty

Article 7
the Community shall ... promote research ...

From the EU Treaty (TFEU)

Protocol 37
Research on coal and steel will continue benefitting of the revenue from the ECSC
Towards FP9: learning from the past & benefitting of co-design

Political drivers:
- EU budget under intense scrutiny: return on investment, impact on the ground, output-based funding, flexibility...
- Challenging political climate: EU added value; UK; EP elections

Programme drivers:
- Strong steer from Juncker priorities and objectives of Commissioner Moedas (3 Os, EIC); simplification...

Stakeholder consultation
H2020 Interim Evaluation
Foresight
Economic case of R&I

High Level Group chaired by Pascal Lamy
Impact Assessment
Proposal for the successor Framework Programme

Stakeholder consultation
Emerging conclusions from the stakeholder consultation

Most frequently expressed views

<table>
<thead>
<tr>
<th>FREQUENCY</th>
<th>THEME &amp; VIEW</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Frequency 1" /></td>
<td><strong>Oversubscription</strong> is one of the most commonly quoted issues of Horizon 2020.</td>
</tr>
<tr>
<td><img src="image2" alt="Frequency 2" /></td>
<td>Horizon 2020 is addressing policy priorities of Europe but there is room to increase programme <strong>flexibility</strong>.</td>
</tr>
<tr>
<td><img src="image3" alt="Frequency 3" /></td>
<td>Horizon 2020 needs to ensure a <strong>good balance between research and innovation</strong> (TRLs). There are concerns voiced over perceived increase in funding of higher TRL levels to the detriment of collaborative lower TRL research.</td>
</tr>
<tr>
<td><img src="image4" alt="Frequency 4" /></td>
<td>Horizon 2020 brings an <strong>EU added value</strong>.</td>
</tr>
<tr>
<td><img src="image5" alt="Frequency 5" /></td>
<td><strong>Widening participation</strong> is crucial, but should not come at expense of excellence.</td>
</tr>
<tr>
<td><img src="image6" alt="Frequency 6" /></td>
<td>The current pillar structure improves the clarity of the programme but the <strong>linkages</strong> among the pillars should be enhanced. The funding landscape is <strong>complex</strong> and there is a need to streamline.</td>
</tr>
<tr>
<td><img src="image7" alt="Frequency 7" /></td>
<td><strong>Social science and humanities</strong> (SSH) need to be better integrated in the programme design.</td>
</tr>
</tbody>
</table>
Thematic evolution of the Framework Programmes

Commissioner Davignon – 1984...FP1, ind. compet.
Commissioner Busquin – FP6...ERA
Commissioner Potocnik – FP7...ERC
Commissioner Geoghegan-Quinn – Horizon 2020...R&I
Commissioner Moedas – 3Os, EIC,...
Open Innovation, Open Science and Open to the World - policy priorities set by Commissioner Moedas

Open Innovation

- European Innovation Council
- Venture capital funds of funds
- Pro-innovation Regulatory Environment
- Boosting Private Investment
- Maximizing Impact of EU funding

Open Science

- Open Access
- Open Data and European Open Science Cloud
- Research Integrity
- Inclusiveness & Citizen Science

Open to the World

- Leading & working with multilateral initiatives & international organisations
- Better framework conditions for scientific cooperation
- Science diplomacy and synergies with the EU's external policies
"I am convinced that the core values of Horizon 2020 and its successor have to be:"
Questions for the future
The impossible missions are the only ones that succeed?

Addressing global challenges?

- Electrify transport
- Phase out petro-plastics
- Live better on non-animal proteins
- Map the global microbiome
- Create opportunities for diversity rich and confident cities
- New energy storage solutions
- Personalise prevention health

Research and Innovation
Indicative timeline

2016
- Launch of foresight study
- Public consultation on H2020 Interim Evaluation (20/10-15/01/17)

2017
- Public consultation on Impact Assessment for FP9
- "Lamy group" Report (3rd July)
- Foresight final report
- H2020 Interim evaluation concluded (Oct)

2018
- Next MFF Commission proposal
- Successor Framework Programme Commission proposal