Horizon Europe

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European Framework Programmes

- Are funding programmes created by the European Union/European Commission to support and foster research

- Began in 1984 and each last for 7 years (aligned to the rhythm of the EU's Multiannual Financial Framework – MFF)

- Horizon 2020 is the current Framework Programme. It began in 2014 and had its last call for proposals in 2020. Total budget for Horizon 2020 was ~ €80Bn

- Horizon Europe is the successor to Horizon 2020 and the Work Programme is due to be published in 2021 (~March/April)

- Horizon Europe has an agreed budget of €95.5Bn

- The UK has agreed to Associate to Horizon Europe

UK has agreed to Associate to Horizon Europe

- Organisations eligible to participate in and receive funding from Framework Programmes, including Horizon Europe, come from countries that are:
  - Member States (27 currently)
  - Associate Countries
    - None yet associated to Horizon Europe but UK, plus those that associated to Horizon 2020, are expected to do so
- Organisations from Associate Countries participate in the same way that those from Member States do.
  - They count as 'eligible' for formation of consortia and are funded by the EU in the same way that those from the Member States are

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UK has agreed to Associate to Horizon Europe

Continued UK participation in some EU programmes: Horizon Europe, Euratom Research and Training, and Copernicus.
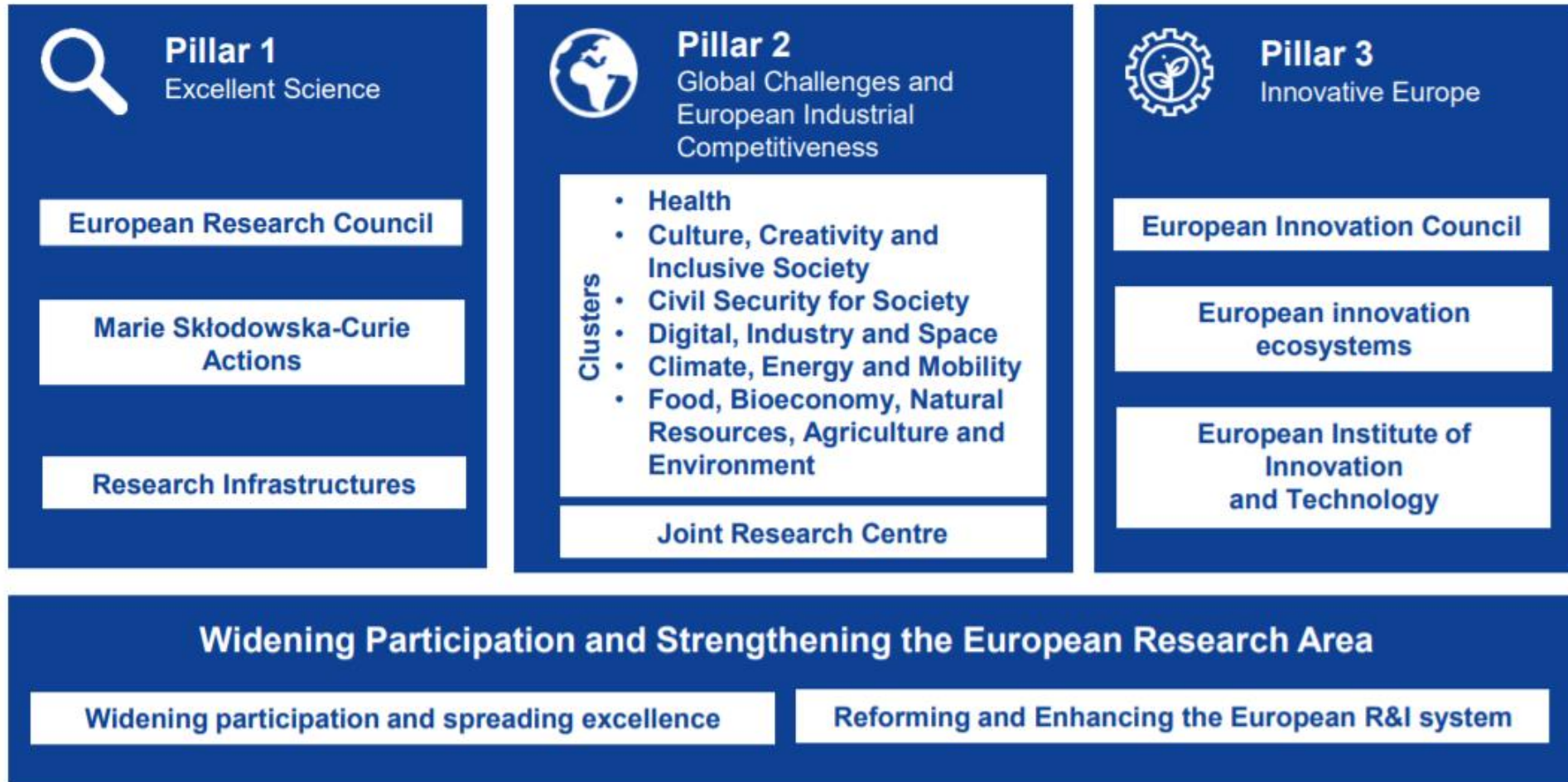
Horizon Europe

The UK will associate to Horizon Europe. Association will give UK scientists, researchers and businesses access to funding under the programme on equivalent terms as organisations in EU countries. The next step is for both sides to formally adopt the full text of the agreement taking into account the finalised EU Programme Regulations.

Amanda Solloway ✔ @ASollowayUK · 24 Dec 2020
Absolutely thrilled that our deal with the EU includes our continued participation in the Horizon, Euratom and Copernicus programmes!

We will keep supporting global collaboration in innovation and research, building on our commitment to make the UK a science and research power.

💬 16   🔁 24   ♡ 92   ⬆

○ Finally, the agreement enables the UK's continued participation in a number of flagship EU programmes for the period 2021-2027 (subject to a financial contribution by the UK to the EU budget), such as Horizon Europe.

HorizonEurope @HorizonEurope1

The UK will continue to participate in the EU's flagship Horizon Europe programme as a paying associate member for seven years. It will also continue in Copernicus and Euratom.

5:39 pm · 24 Dec 2020 · Twitter for iPhone

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The Agreement provides for the UK's continued participation in **EU funding programmes** aimed at generating mutual benefits in the areas of research and innovation and space. The programmes are: Horizon Europe, the Euratom Research and Training programme, the fusion test facility ITER, Copernicus, as well as access to the EU's Satellite Surveillance & Tracking (SST) services.

Horizon Europe Structure

Climate, Energy and Mobility Cluster

Six Destinations:

1. Climate sciences and responses
2. Cross-sectorial solutions for the climate transition
3. Sustainable, secure and competitive energy supply
4. Efficient, sustainable and inclusive energy use
5. Clean and competitive solutions for all transport modes
6. Safe, resilient transport and smart mobility services for passengers and goods

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Zero Emission Waterborne Transport (ZEWT)

- A Co-Programmed Partnership
  - Members of the partnership develop the Strategic Research and Innovation Agenda (SRIA) which is used to create the Work Programme (calls for proposals)
- ZEWT is managed by Jaap Gebraad who manages the secretariate of the Waterborne Technology Platform. Jaap has been very welcoming of UK participation
- Membership of Waterborne TP and/or ZEWT gives you a voice in the future direction and is a showcase for your capabilities

D5: Clean and competitive solutions for all transport modes

Zero Emission Waterborne Transport (ZEWT)

~ €185m

C5-D5-WAT-01-2021: Enabling the safe and efficient on-board storage and integration within ships of large quantities of ammonia and hydrogen fuels

C5-D5-WAT-02-2021: Enabling the full integration of very high-power fuel cells in ship design using co-generation and combined cycle solutions for increased efficiency with multiple fuels

C5-D5-WAT-03-2021: CSA identifying waterborne sustainable fuel deployment scenarios

C5-D5-WAT-04-2021: Innovative on-board energy saving solutions

C5-D5-WAT-05-2021: Hyper powered vessel battery charging system

C5-D5-WAT-06-2021: Assessing and preventing methane slip from LNG engines in all conditions within both existing and new vessels

C5-D5-WAT-07-2021: Digital Twin models to enable green ship operations

C5-D5-WAT-08-2021: Proving the feasibility of a large clean ammonia marine engine

C5-D5-WAT-09-2022: Exploiting electrical energy storage systems and better optimising large battery electric power within fully battery electric and hybrid ships

C5-D5-WAT-10-2022: Innovative non-battery electric energy storage systems on-board vessels

C5-D5-WAT-12-2022: Exploiting renewable energy for shipping, in particular focusing on the potential of wind energy

C5-D5-WAT-14-2022: Transformation of the existing fleet towards greener operations through retrofitting

C5-D5-WAT-15-2022: Seamless safe logistics through an autonomous waterborne freight feeder loop service

C5-D5-WAT-16-2021: Computational tools for shipbuilding

D6: Safe, resilient transport and smart mobility services for passengers and goods

Waterborne Safety and Resilience

C5-D6-SAFE-04-2021: Controlling infection on large passenger ships

Multimodal and sustainable transport systems for passengers and goods

C5-D6-MSTS-09-2021 Climate resilient and environmentally sustainable transport infrastructure, with a focus on inland waterways

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Any Questions? Get in touch

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