

Aktuelles zu Horizon Europe

Helmholtz-Büro Brüssel

Holger IHSSEN

EU-Referententreffen 21.06.2022

HEU - Programme Structure and Budget

+ budget in current prices in billion €



In 2023 wird das HEU Budget auf 12,3 Milliarden Euro angehoben, das ist eine **Steigerung von 100 m€**. Dazu kommen zusätzliche 1,8 M€ aus dem EU-Recovery und dem NextGenerationEU Topf.

Aktueller Stand Horizon Europe

- Jean-Eric Paquet wird am 1. September EU-Botschafter in Japan. Spekulation zur Nachfolge : Kurt Vandenberghe oder Signe Ratso, die Stellvertreterin von Paquet.
- Die EU-Wissenschaftsminister haben letzte Woche ein Abkommen zum „Research Assessment“ sowie Schlussfolgerungen zu „Open Science“, internationaler Zusammenarbeit und zu Horizont-Europa-Missionen unterzeichnet.
- Ex-post Evaluierung H2020 und Zwischenevaluierung HEU: Prozess in 2023/2024, damit Ergebnisse in nächstes Programm einfließen können.
- Vorbereitung der strategischen Planung für 2025-2027 am Ende dieses Jahres / Anfang des kommenden, die das Basis für das Arbeitsprogramm 2025-2027 setzen soll.
- Diskussion zu technologischen Infrastrukturen, die im Rahmen der ERA Policy Agenda (Aktionspunkt 12.2) an Gewicht gewinnen wird.



Missionen

Definierte Ziele, die bis 2030 zu erreichen sind:

- **Krebs:** Mehr als 3 Millionen Leben retten bzw. verbessern
- Anpassung an den **Klimawandel:** Mind. 150 klimaresiliente Regionen in Europa
- **Ozeane, Meere und Gewässer:** Wiederherstellung unserer Ozeane und Gewässer
- **Klimaneutrale und intelligente Städte:** 100 klimaneutrale und intelligente Städte
- **Bodengesundheit und Ernährung:** 100 „living labs“ und „lighthouses“, die den Wandel zu gesunden Böden in Europa anführen

Missionen Governance



Clara de la Torre

Deputy Director-General at Directorate General for Climate Action (DG CLIMA)

Mission manager for the Adaptation to Climate Change mission



Joanna Drake

Deputy Director-General at Directorate-General for Research and Innovation (DG RTD)

Mission manager for the Cancer mission



Kestutis Sadauskas

Deputy Director-General at Directorate-General for Maritime Affairs Fisheries (DG MARE)

Mission manager for the Restore our Ocean and Waters mission



Matthew Baldwin

Deputy Director-General at Directorate-General for Mobility and Transport (DG MOVE)

Mission manager for the Climate-Neutral and Smart Cities mission



Kerstin Rosenow

Head of the Research Unit at Directorate General for Agriculture and Rural Development (DG AGRI)

Mission manager for the Soil Deal for Europe mission

- + Deputy Mission Manager
- Unterstützung durch mission secretariats

Missionen

Aktueller Stand

- Veröffentlichung der KOM-Mitteilung zu den Missionen erfolgte am 29. September 2021 – gilt als „Auftakt“ für die Missionen
 - Gleichzeitig Veröffentlichung der „Implementation Plans“ = Orientierung für künftige Themen
- Call zur Neubesetzung der Mission Boards mit Deadline am 2. Februar 2022
- Veröffentlichung eines aktualisierten Arbeitsprogramms am 10. Mai
- [Info Day am 17.-18. Mai](#)
- Draft WP Missions 23/24



Adaptation to
climate change,
including societal
transformation

Cancer

Healthy oceans,
seas, coastal &
inland waters

Climate-neutral
& smart cities

Soil health &
food

Mission Adaptation:
[Juni 2022 EC verkündet erste 118 teilnehmende Regionen und Behörden](#)

Mission Cities:
[Ende April 100 Städte ausgewählt](#)

100 EU Cities Climate-Neutral by 2030

- ▶ Initiative launched by the EC on 28 April
- ▶ 100 EU cities will participate in the EU Mission for 100 climate-neutral and smart cities by 2030.
- ▶ The cities are of all sizes and are spread across Europe, with at least one in each EU country. Together, they are home to **12%** of the EU's population.
- ▶ The Cities Mission will receive €360 million of Horizon Europe funding covering the period 2022-23, to start the innovation paths towards climate neutrality by 2030.
- ▶ The 100 selected cities will develop **Climate City Contracts**, which will include an overall plan for climate neutrality across all sectors together with related investment plans.



Overview of 49 candidate European Partnerships

HORIZON EUROPE PILLAR II - Global challenges & European industrial competitiveness

CLUSTER 1: Health Initiative	CLUSTER 4: Digital, Industry & Space	CLUSTER 5: Climate, Energy & Mobility	CLUSTER 6: Food, Bioeconomy, Agriculture, ...
Global Health Partnership	Key Digital Technologies	Clean Hydrogen	Circular Bio-based Europe
Transformation of health systems	Smart Networks & Services	Clean Aviation	Rescuing Biodiversity to Safeguard Life on Earth
Chemicals risk assessment	High Performance Computing	Single European Sky ATM Research 3	Climate Neutral, Sustainable & Productive Blue Economy
ERA for Health	European Metrology (Art. 185)	Europe's Rail	Water4All
Rare diseases*	AI-Data-Robotics	Connected and Automated Mobility (CCAM)	Animal Health & Welfare*
One-Health Anti Microbial Resistance*	Photonics	Batteries	Accelerating Farming Systems Transitions*
Personalised Medicine*	Made in Europe	Zero-emission waterborne transport	Agriculture of Data*
Pandemic Preparedness* Co-funded or co-programmed	Clean steel – low-carbon steelmaking	Zero-emission road transport	Safe & Sustainable Food System*
	Processes4Planet	Built4People	
	Global competitive space systems**	Clean Energy Transition	
		Driving Urban Transitions	

■ Institutionalised Partnerships (Art 185/7)

■ Institutionalised Partnerships / EIT KICs

■ Co-Programmed

■ Co-Funded

PILLAR III - Innovative Europe

EIT (KNOWLEDGE & INNOVATION COMMUNITIES)	SUPPORT TO INNOVATION ECOSYSTEMS
InnoEnergy	Innovative SMEs
Climate	
Digital	
Food	
Health	
Raw Materials	
Manufacturing	
Urban Mobility	
Cultural and Creative Industries	

19.11.2021 [9](#)
Institutionalisierte
Partnerschaften
aufgesetzt
(EuroHPC und
Metrology bereits
vorher)

CROSS-PILLARS II & III

European Open Science Cloud



* Calls with opening dates in 2023-24

** Calls with opening dates not before 2022

OLD - Slide

News on partnerships

First report on the performance of European Partnerships

- A total of EUR 55.3 billion, has been committed for the European Partnerships in the first Horizon Europe [Strategic Plan](#) (2021-2024), of this total, EUR 23.9 billion comes from Horizon Europe.
- The report shows that European Partnerships:
 1. are major contributors to both the digital and green transition, resilience, and the achievement of the UN Sustainable Development Goals. **The report finds that the share of resources planned by Partnerships to contribute to these objectives is significantly higher in Horizon Europe than in H2020.**
 2. have become strategic policy instruments, which is reflected also in the increased interest and commitments to European Partnerships from the Member States and Associated Countries and industry that together have contributed to the total budget with a commitment of EUR 31.4 billion.
 3. have a clear potential for synergies and cooperation between European Partnerships across Horizon clusters and with other policy instruments at the EU and national level.

Partnerships – new developments & candidates for 2025

Preparation of SRIA during 2022

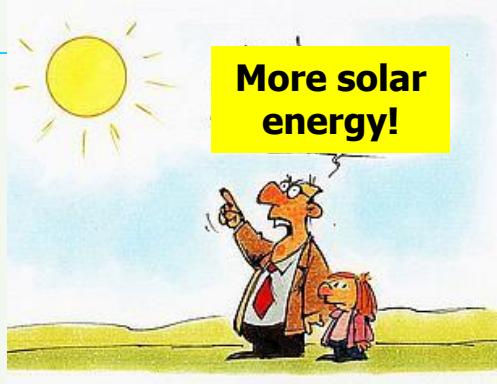
- Cluster 1:
 - BE READY
 - EP PerMed
 - Rare Diseases, ...
- Cluster 6:
 - Food Systems
 - Agriculture of Data
 - Animal Health (DE?)
 - Agroecology-Living labs

Potential candidates from 2025 on

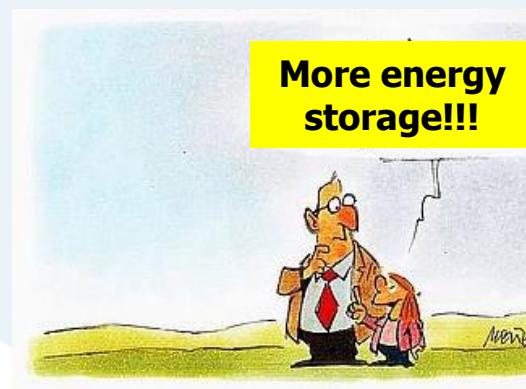
- To be discussed in Autumn:
- Brain Health
- Space
- PRIMA (cont.)
- Advanced Materials (CSA participation of KIT/FZJ ?)
- Forestry
- EP on an energy theme

Umbenennung : Key Digital Technologies Joint Undertaking to Chips JU

RENEWABLE ENERGY FOR ENERGY TRANSITION



Seasonal/annual energy storage - The
KEY to
renewable energy,
energy independence and
decarbonisation.



This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement No 101036910

Research- Ecosystems



- TNA (70 Ris integrated)
- Int. mobility scheme
- Socio-eco-studies
- Road-map
- Pro-active innovation management
- Schools, etc

Connecting

- Mission Innovation projects from Canada / US / India
- ESFRI ERICs, ECCSEL, PRACE
- EERA JPs
- EICs projects
- COST projects
- Helmholtz projects



Fragen willkommen!

Vielen Dank für Eure Aufmerksamkeit!