The Horizon framework programme is a POLITICAL INSTRUMENT where research and innovation are needed to achieve political priorities
Horizon Europe 2021–2027

Evolution not a revolution

- to strengthen the EU’s scientific and technological bases
- to boost Europe’s innovation capacity, competitiveness and jobs
- to deliver on citizens’ priorities and sustain our socio-economic model and values
Horizon Europe

Pillar 1
Excellent Science
- European Research Council
- Marie Skłodowska-Curie Actions
- Research Infrastructures

Pillar 2
Global Challenges and European Industrial Competitiveness
- Clusters
  - Health
  - Culture, Creativity and Inclusive Society
  - Civil Security for Society
  - Digital, Industry and Space
  - Climate, Energy and Mobility
  - Food, Bioeconomy, Natural Resources, Agriculture and Environment
- Joint Research Centre

Pillar 3
Innovative Europe
- European Innovation Council
- European innovation ecosystems
- European Institute of Innovation and Technology

Widening Participation and Strengthening the European Research Area
- Widening participation and spreading excellence
- Reforming and Enhancing the European R&I system

Council: ~ 81 billion euro
European partnerships

European commission
EU industry
Member States

Framework programmes
Partnership programmes
National programmes

Research project
Possible European partnerships

Health
- EU-Africa Global Health
- Innovative Health Initiative
- Chemicals Risk Assessment
- Fostering an ERA for Health research
- Large-scale innovation and transformation of health systems in a digital and ageing society
- Personalised Medicine
- Rare Diseases
- One Health AMR

Climate, energy and mobility
- Transforming Europe’s rail system
- Integrated Air Traffic Management
- Clean Aviation
- Clean Hydrogen
- Built environment and construction
- Towards zero-emission road transport
- Mobility and Safety for Automated Road Transport
- Batteries
- Clean Energy Transition
- Driving Urban Transition
- Smart and zero-emission waterborne transport

Digital, industry and space
- High Performance Computing
- Key Digital Technologies
- Smart Networks and Services
- AI, data and robotics
- Photonics Europe
- Clean Steel - Low Carbon Steelmaking
- European Metrology
- Made in Europe
- Carbon Neutral and Circular Industry
- Global competitive space systems

Food, bioeconomy, natural resources, agriculture and environment
- Accelerating farming systems transition
- Animal health: Fighting infectious diseases
- Environmental Observations for a sustainable EU agriculture
- Rescuing biodiversity to safeguard life on Earth
- A climate neutral, sustainable and productive Blue Economy
- Safe and Sustainable Food System for People, Planet & Climate
- Circular bio-based Europe
- Water4All: Water security for the planet

Pillar III
Cross-Pillar
- EIT Climate KIC
- EIT Health
- EIT Food
- EIT InnoEnergy
- EIT Raw Materials
- EIT Digital
- EIT Urban Mobility
- EIT Cultural and Creative Industries
- Innovative SMEs
- European Open Science Cloud (EOSC)

Cluster allocation tbc
- Pandemic Preparedness and Societal Resilience
R & I Missions

Create more impact for society, policymaking and citizens

Bold, inspirational and measurable goal

A portfolio of actions across disciplines and sectors
Missions are not about R&I - they are about delivering a public good. They are used to agree on a European level what we want to change and deliver it in society.

1. Adaptation to Climate Change, including Societal Transformation
2. Cancer
3. Healthy Oceans, Seas, Coastal and Inland Waters
4. Climate-Neutral and Smart Cities
5. Soil Health and Food
Role of the member states

Programme Committee (PC) and National Contact Points (NCP)

- Decide work programmes (call text)
- Support and stimulate participation in Horizon 2020
- Monitor evaluation

PC

NCP

PC
NCP?

- National EU-node
- National contact points

NCP

Answers questions on Horizon Europe
Helps to find matching calls and topics
Legal and financial advice
Spreads information
Strategic advice

Information from SE system to EC via NCP networks, experts and PC
Horizon Europe timeline

- **2018**: EC decides on a Follow-up R&I programme
- **2019**: Partial agreement on content
- **2020**: Spring 2020 WP Outlines
- **Summer 2020**: Topic drafts
- **2021**: Jan 2021 WP adoption
- **Q1 2021 (?)**: First calls open
- **Feb 2021**: Horizon Europe Launch
It’s not about ideas. It’s about making ideas happen.

Scott Belsky

vinnova.se/m/horisont-2020/kontaktlista/