

European Innovation Partnerships (EIPs) - no funding - EC initiatives - bring different actors together – develop Strategic Implementation Plan (SIP) - launch calls for commitment

- [EIP-AHA](#) on Active and Healthy Ageing
- [EIP-Agriculture](#) on Agricultural Sustainability and Productivity
- [EIP on Water](#)

- [EIP-SCC](#) on Smart Cities and Communities
- [EIP-RARE](#) on Raw Materials

Public to Public Partnerships (P2Ps) - EC and Member States (MS)



Joint Programming Initiatives (JPIs)

- Virtual common pot
- develop Strategic Research and Innovation Agenda (SRIA) and/or Strategic Implementation Plan (SIP)

- [JP ND](#) (Neurodegenerative Disease Research)
 - [JPI-HDHL](#) (A Healthy Diet for a Healthy Life)
 - [More Years, Better Lives](#) - The Potential and Challenges of Demographic Change
 - [JPI-AMR](#) - The Microbial Challenge - An emerging Threat to Human Health
 - [FACCE](#) (Agriculture, Food Security and Climate Change)
 - [JPI Oceans](#) - Healthy and Productive Seas and Oceans
 - [Urban Europe](#) - Global Urban Challenges, Joint European Solutions
 - [JPI Climate](#) - Connecting Climate Knowledge for Europe
 - [Water JPI](#) - Water Challenges for a Changing World
 - [JHEP](#) (Cultural Heritage and Global Change: a new challenge for Europe)
- [SET plan](#) - The European Strategic Energy Technology Plan

ERA-NETs

Virtual common pot
Search: [ERA-LEARN](#)
+66 active ERA-nets
Examples:

- [LEAP-AGRI](#)
- [BiodivERSA3](#)
- [PhotonicSensing](#)
- [CHIST-ERA III](#)
- [ERA-MIN 2](#)
- [SUSFOOD2](#)
- [E-Rare-3](#)
- [DEMOWIND](#)
- [EMEUROPE](#)
- [GeoERA](#)
- [ENTIII](#)
- [HDHL-INTIMIC](#)
- [NEURON Cofund](#)
- [ERA4CS](#)
- [ENSUF](#)
- [EuroTransBio](#)
- [EURONANOMED III](#)
- [HERA JRP UP](#)
- [TRANSCAN-2](#)
- [CORE Organic](#)
- [ERA-CVD](#)
- [M-ERA.NET2](#)
- [FLAG-ERA II](#)
- [MARTERA](#)
- [T2S](#)
- [Smart grids plus](#)
- [SusAn](#)
- ...

Article 185 initiatives

- Real common pot
- EC supports/participates in research programmes undertaken jointly by several MS

- [EDCTP](#) - European and Developing Countries Clinical Trial Partnership
 - [AAL](#) - a joint research programme on 'Active and Assisted Living';
 - [EMPIR](#) - a joint research programme in the field of Metrology (the science of measurement).
 - [Eurostars](#) - a joint research programme for research-performing SMEs and their partners.
 - [Bonus](#) - a joint research programme in the field of Baltic Sea research;
- [EUREKA clusters](#)
- long-term, strategically significant industrial initiatives
- virtual common pot
- [CELTIC Plus](#) (2011-2019)
 - [EURIPIDES²](#) (2013-2020)
 - [ITEA 3](#) (2014-2020)
 - [EUROGIA2020](#) (2013-2020)
 - [Metallurgy Europe](#)
 - [Penta](#)

Horizon 2020 (EU Framework Programme)



I. Excellent Science Pillar

- European Research Council (ERC)
- Marie Skłodowska Curie Actions (MSCA)
- Future and Emerging Technologies (FET)
- Research Infrastructures (RI)

II. Industrial Leadership Pillar

- Leadership in Enabling and Industrial Technologies (LEIT)
 - ICT
 - Nanotechnologies
 - Advanced Manufacturing and Processing
 - Advanced Materials
 - Biotechnology
 - Space
- Access to risk finance
- Innovation in SMEs

III. Societal Challenges Pillar (SC)

- (SC1) Health, Demographic Change and Wellbeing
- (SC2) Food Security, Sustainable Agriculture, Marine and Maritime Research and the Bio-Economy
- (SC3) Secure, Clean and Efficient Energy
- (SC4) Smart, Green and Integrated Transport
- (SC5) Climate Change, Resource Efficiency and Raw Materials
- (SC6) Inclusive, Innovative and Reflective Societies
- (SC7) Secure societies - protecting freedom and security of Europe and its citizens

Cross-cutting issues:

- ❖ [Spreading Excellence and Widening Participation](#)
- ❖ [Science with and for Society](#)

[European Institute of Innovation and Technology \(EIT\)](#)
[Euratom](#)

[COST](#) (European Cooperation in Science and Technology) - funding for networking for researchers

Contractual Public Private Partnerships (cPPPs) – part of Horizon 2020 Industrial Leadership Pillar

- industry sets agenda
- within Horizon 2020

- [EeB](#) – Energy Efficient Buildings
- [FoF](#) - Factories of the Future
- [EGVI](#) – European Green Vehicles Initiative
- [SPIRE](#) - Sustainable Process Industry through Resource and Energy Efficiency
- [5G](#) (Advanced 5G for Future Internet)
- [Photonics](#)
- [Robotics](#)
- [High Performance Computing](#)
- [Big Data Value](#)
- [Cybersecurity](#)

Key Enabling Technologies (KETs)

Cross-cutting actions under Industrial Leadership Pillar

- nanotechnology
- micro- and nanoelectronics including semiconductors
- advanced materials
- biotechnology
- photonics
- advanced manufacturing

Joint Technology Initiatives (JTIs)

- industry sets agenda
- externalized ppps with own Rules for Participation
- managed by a Joint Undertaking (JU)

- [IMI2](#) - Innovative Medicines Initiative
- [ECSEL](#)
 - [ENIAC](#) - nanoelectronics
 - [ARTEMIS](#) - R&D in embedded systems
- [FCH2](#) - Fuel cells and Hydrogen
- [CS2](#) - Clean Sky
- [BBJ](#) - Biobased and Renewable Industries for Development and Growth in Europe
- [Shift2Rail](#) – Rail industry and transport
- [SESAR](#) – High performing aviation

Programme for the Competitiveness of enterprises and SMEs ([COSME](#))

- [Better access to finance for SMEs](#)
- [Access to markets](#)
- [Support to entrepreneurs](#)
- [Business friendly environment](#)

European Structural and Investment Funds (ESIF)

- [Regional Policy](#)
[In your country](#)
- [European Regional Development Fund \(ERDF\)](#) (i.a. Interreg)
- [European Social Fund \(ESF\)](#)
- [European Agricultural Fund for Rural Development \(EAFRD\)](#)
- [European Maritime and Fisheries Fund \(EMFF\)](#)
- [Cohesion Fund](#) (only for less developed Member States)

European Technology Platforms (ETPs) - no funding - industry-led stakeholder fora - develop SRIAs and Implementation Plans - labelled by the European Commission

Bio-based economy	Energy	Environment	ICT	Production and processes	Transport	Cross ETP Initiatives
EATIP (Aquaculture Technology)	Biofuels	WssTP (Water Supply and Sanitation)	ARTEMIS (Embedded Systems)	ECTP (Construction Technology)	ACARE (Aviation)	Nanofutures (Nanotechnology)
ETPGAH (Global Animal Health)	EU PV TP (Photovoltaics)		EUROP (Robotics)	ESTEP (Steel Technology)	ALICE (logistics innovation)	Industrial Safety (Occupational Diseases and Work-related Accidents)
Food for Life	ETIPWind (Wind Energy)		ETP4HPC (High Performance Computing)	EuMaT (Advanced Engineering)	ERRAC (Rail)	Conzept (Consumer goods)
Forest-based Sector	RHC (Renewable Heating and cooling)		ENIAC (Nanoelectronics)	FTC (Textiles and Clothing)	ERTRAC (Road Transport)	
Plants for the Future	SmartGrids		EPoSS (Smart Systems Integration)	SusChem (Sustainable Chemistry)	Waterborne	
FABRE TP (Farm animal breeding and reproduction)	SNETP (Sustainable Nuclear Energy)		EU-robotics	Nanomedicine		
TP Organics (Organic Food and Farming)	ZEP (Zero Emissions Platform)		NetWorld (Communication Networks)	ETP-SMR (Sustainable Mineral Resources)		
	Ocean Energy Europe		NEM (Network and Electronic Media)	Manufuture		
			NESSI (Software and Services)			
			Photonics 21			