

HORIZON 2020

**the EU framework programme for
research and innovation**

What is Horizon 2020



- **EU research and innovation funding programme** (2014-2020) with a budget over €70 billion (79 billion in current prices including inflation)
- A **single programme** bringing together three separate programmes/initiatives*
- **Coupling research to innovation** – from research to retail, all forms of innovation
- **Focus on societal challenges** facing EU society, e.g. health, clean energy and transport, **raw materials**
- **Simplified access**, for all companies, universities, institutes in all EU countries and beyond

* The 7th Research Framework Programme (FP7), innovation aspects of Competitiveness and Innovation Framework Programme (CIP), EU contribution to the European Institute of Innovation and Technology (EIT)

Horizon 2020



* All funding figures in this presentation are subject to the pending Multiannual Financial Framework Regulation by the EP and the Council





1. Health, demographic change and wellbeing	7 472
2. Food security, sustainable agriculture, marine and maritime research & the Bioeconomy	3 851
3. Secure, clean and efficient energy *	5 931
4. Smart, green and integrated transport	6 339
5. Climate action, resource efficiency and raw materials	3 081
6. Inclusive and reflective societies	1 309
7. Secure societies	1 695
<i>Science with and for society</i>	462
<i>Spreading excellence and widening participation</i>	816

* Additional funding for nuclear safety and security from the Euratom Treaty activities (2014-2018)

All funding figures (€ million, 2014-2020) in this presentation are subject to the pending Multiannual Financial Framework Regulation by the EP and the Council

2014	2015	2016	2017	2018	2019	2020
Strategic Programme						
Work Programme 1 (plus tentative information for 2016)		Strategic Programme				
		Work Programme 2 (plus tentative information for 2018)		Strategic Programme		
				Work Programme 3 (plus tentative information for 2020)		
						Work Programme 4

Whats coming up in
2015 related to our
area?

Waste a resource to recycle, reuse and recover raw materials

Topic: Eco-innovative solutions (a)

Funding	CA 8-10 MEUR (Total Budget 54 MEUR)
Timeline to app	21-04-2015
Type of partners	local authorities, private industry, R&D
Funder Goals/Call Details	<p>Demonstration, at an appropriate pilot scale, and market replication, of integrated eco-innovative cost- and energy-efficient technologies, processes and/or services for waste prevention, treatment, enhanced collection, recycling and recovery of high-grade valuable materials from waste.</p> <p>Approaches should integrate technological and non-technological solutions, including, where appropriate, the use of economic instruments, such as incentives for more sustainable production and consumption patterns, and awareness raising initiatives.</p>
Notes	<p>http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2114-waste-6a-2015.html</p>

Waste a resource to recycle, reuse and recover raw materials

Topic: Eco-innovative strategies (b)

Funding	CA 4-5 MEUR (Total Budget 54 MEUR)
Timeline to app	21-04-2015
Type of partners	local authorities, private industry, R&D
Funder Goals/Call Details	<p>Development of innovative and sustainable strategies for waste prevention and management in urban and peri-urban areas. Proposals should highlight how urban patterns, drivers, consumer behaviour, lifestyles, culture, architecture and socio-economic issues can influence the metabolism of cities. Proposals should highlight the possible benefits to be derived from ecosystems services and green infrastructure, and their gender sensitive application.</p> <p>Significant increased competitiveness of soil-ecology-construction-waste treatment-related industries</p>
Notes	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2116-waste-6b-2015.html

Waste a resource to recycle, reuse and recover raw materials

Topic: Raw materials partnerships

Funding	Up to 1.5 MEUR (Total Budget 4MEUR)
Timeline to app	21-04-2015
Type of partners	This should involve partners from across the value chain, including mining, processing, recycling, application, public sectors (national/regional/local) and civil society.
Funder Goals/Call Details	Raw materials partnerships: Creation of a common multi-stakeholder platform focused on a limited number of key raw materials across their whole value chain. The action shall support implementation of the European Innovation Partnership (EIP) on Raw Materials.
Notes	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2113-waste-4d-2015.html#tab1

Growing a Low Carbon, Resource Efficient Economy with a Sustainable Supply of Raw Materials

Topic: Raw materials research and innovation coordination

Funding	CA 1-2 MEUR (Total Budget 116 MEUR)
Timeline to app	21-04-2015
Type of partners	Public Authorities / R&D
Funder Goals/Call Details	Improving both research and innovation collaboration among all the relevant European Technology Platforms and other industrial and research initiatives, improving coordination with the relevant EU, Member States and regional policies and initiatives in the area of raw materials, engaging all the relevant players, particularly civil society and authorities at regional and local level, across the whole EU. The action should develop a common long term 2050 vision and roadmap for the relevant raw materials, including metals, industrial minerals and aggregates, wood and natural rubber-based materials.
Notes	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/2161-sc5-13d-2015.html#tab1

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FI - national info day for H2020 calls and that will be on 19 of November

<http://www.tekes.eu/ajankohtaista/tapahtumat-2013/uusin-askelin-horisonttiin/>

2020 Issues

Big Projects Big Possibilities

Lots of competition

Difficult Administration?

Thanks for your attention 😊