



#InvestEUresearch

Horizon 2020 Work Programme for Research & Innovation 2018-2020

Insights into the new Societal
Challenge 2 Work Programme:
research priorities and novelties

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Research and
Innovation

Work programme 2018-2020

• Challenges

- **Climate** adaptation and mitigation
- **Food and nutrition** security
- Safeguard the **natural resource base**
- Promote **alternatives to fossil-based** economies
- Sustainable use of **marine resources**

SC2 focus:

Sustainable management of land and waters to secure:

Healthy food

Public goods delivery

Innovative food, marine and bioeconomy industries

Dynamic rural areas

Global commitments

The policy context



UNITED NATIONS
**PARIS CLIMATE
AGREEMENT**
SIGNING CEREMONY
— 22 APRIL 2016 —



United Nations
Framework Convention on
Climate Change

European policies

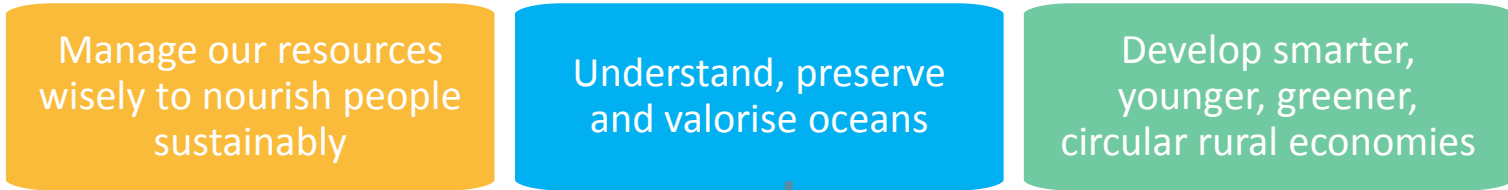
- Common agricultural policy & EIP-AGRI
- EU Bioeconomy strategy
- Circular economy package
- EU Integrated maritime policy
- EU Common fisheries policy
- Digital single market
- Climate and energy package



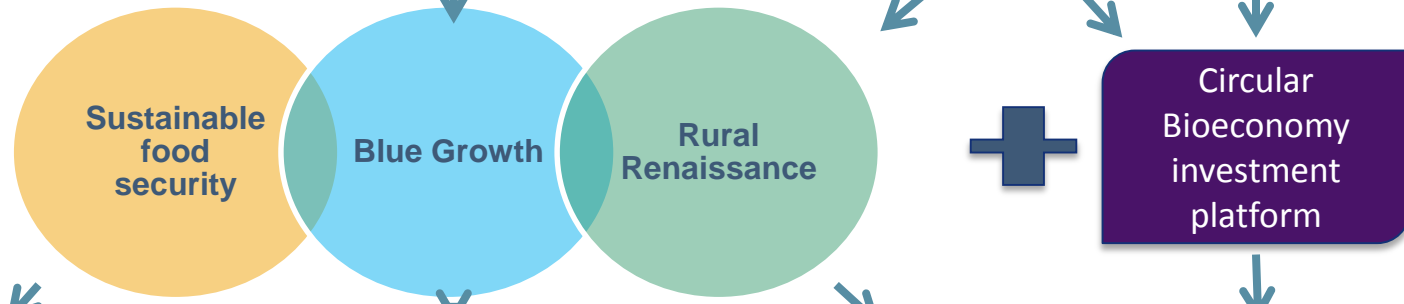
5 priorities



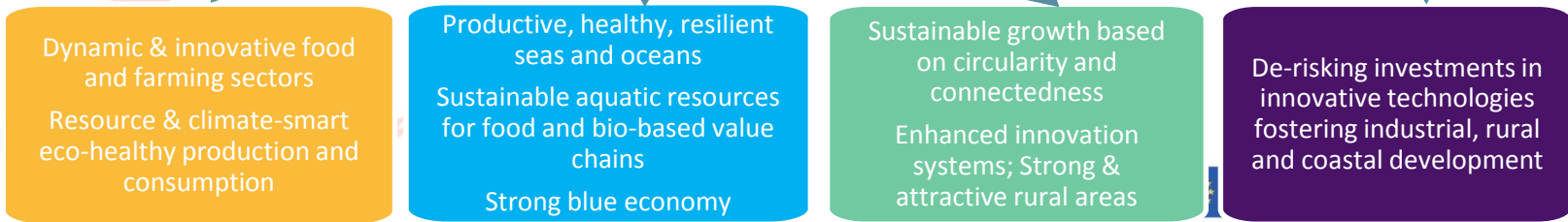
3 missions



3 calls + FI



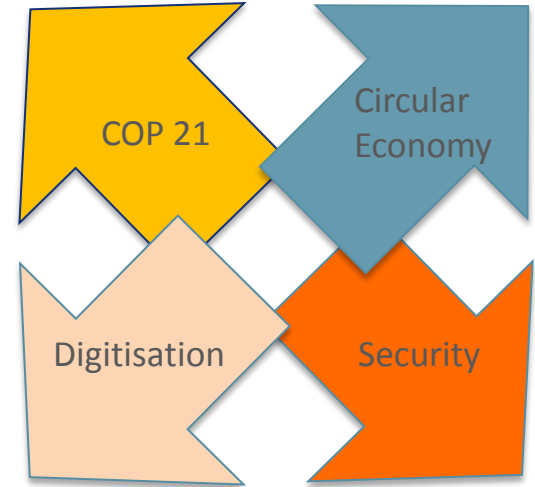
Key impacts



Focus Areas and other cross-cutting priorities

€ 7 billion for 4 mutually reinforcing focus areas

- aligned to political priorities
- expected to have exceptional impact
- implemented through 'virtual calls cutting across the programme (description in 'General Introduction', common call identifier of contributing calls and topics)



Further cross-cutting priorities

- **Migration (€ 200M)**
- **Batteries (€ 100M + € 100M to come)**
- **Blue Growth, Cities**

Open Innovation

- ✓ **EIC pilot (€ 2.7 billion)**
- ✓ Open innovation test beds (€ 200 million)
- ✓ Ca. 30 topics of € 300 million budget in the Societal challenges pillar

Open Science

- ✓ Over **€ 2 billion** to support for Open Science
- ✓ European Open Science Cloud and European Data Infrastructure (€ 600 million)
- ✓ New: Open Research Europe platform for Horizon 2020 and successor framework publications

Open to the World

- ✓ **Over €1 billion investment for 30 international flagship initiatives:** with Canada on personalised medicine; with African countries on food security and renewable energies; with the US, Japan, South Korea, Singapore and Australia on road transport automation; with India on water challenges
- ✓ Strong international component in the European Research Council (ERC) and Marie Skłodowska-Curie actions, e.g. ERC expected to fund 240 more non- EU/AC nationals as Principal Investigators

European Innovation Council (EIC) Pilot

Brings together, adapts and aligns innovation schemes addressing different communities in a bottom-up approach:

- SME Instrument: close-to-market projects of single SME or a consortium of SMEs (new: non-thematic, focus on cross-disciplinarity, revised evaluation criteria; face-to-face interviews in Phase 2)
- Fast Track to Innovation (FTI): close-to-market projects of consortia with industry participation (new: revised evaluation criteria)
- FET Open: early stage research by consortia exploring novel ideas for radically new future technologies
- Six EIC Horizon Prizes for breakthrough innovations bringing major benefits to society
- Cross-cutting: coaching, mentoring (for SME beneficiaries), monitoring progress with innovation radar

Total Budget: € 2.7 billion

Thank You!

Participant Portal

<http://ec.europa.eu/research/participants/portal/>

Horizon 2020 National Contact Points

http://ec.europa.eu/research/participants/portal/desktop/en/support/national_contact_point_s.html

Research Enquiry Service

<http://ec.europa.eu/research/index.cfm?pg=enquiries>
www.ec.europa.eu/research/bioeconomy
www.ec.europa.eu/agriculture/research-innovation_en

