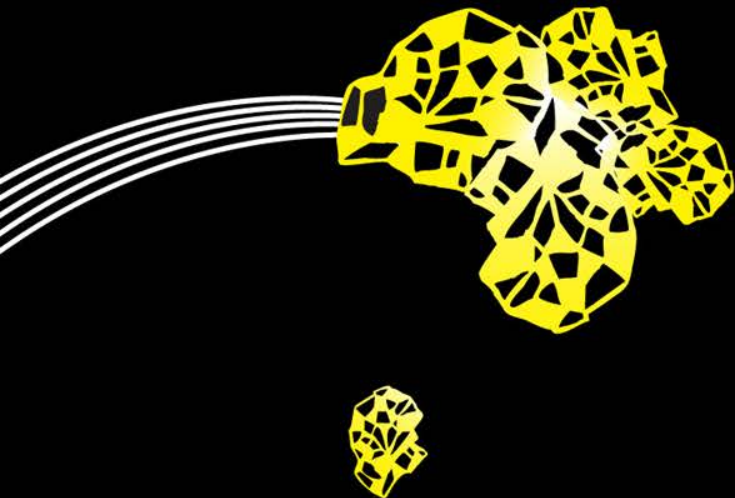
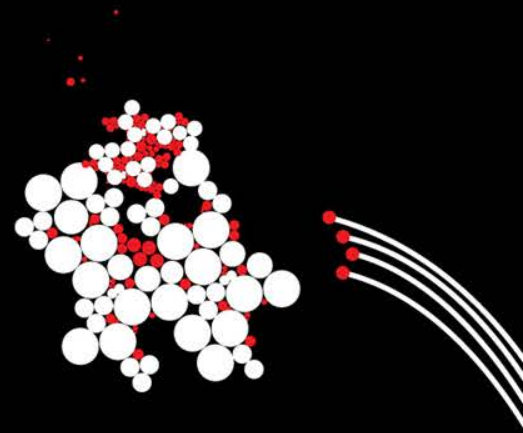


UNIVERSITY OF TWENTE.

The Horizon 2020
Grand Societal Challenges

**FOOD SECURITY, SUSTAINABLE
AGRICULTURE, MARINE AND MARITIME
RESEARCH AND THE BIO-ECONOMY
&
CLIMATE ACTION, RESOURCE EFFICIENCY AND
RAW MATERIALS**



Rolf Vermeij & Telma Esteves
EU-Office



THE EU-OFFICE AT THE UT



Rolf Vermeij

Liaison Officer

www.utwente.nl/subsidies

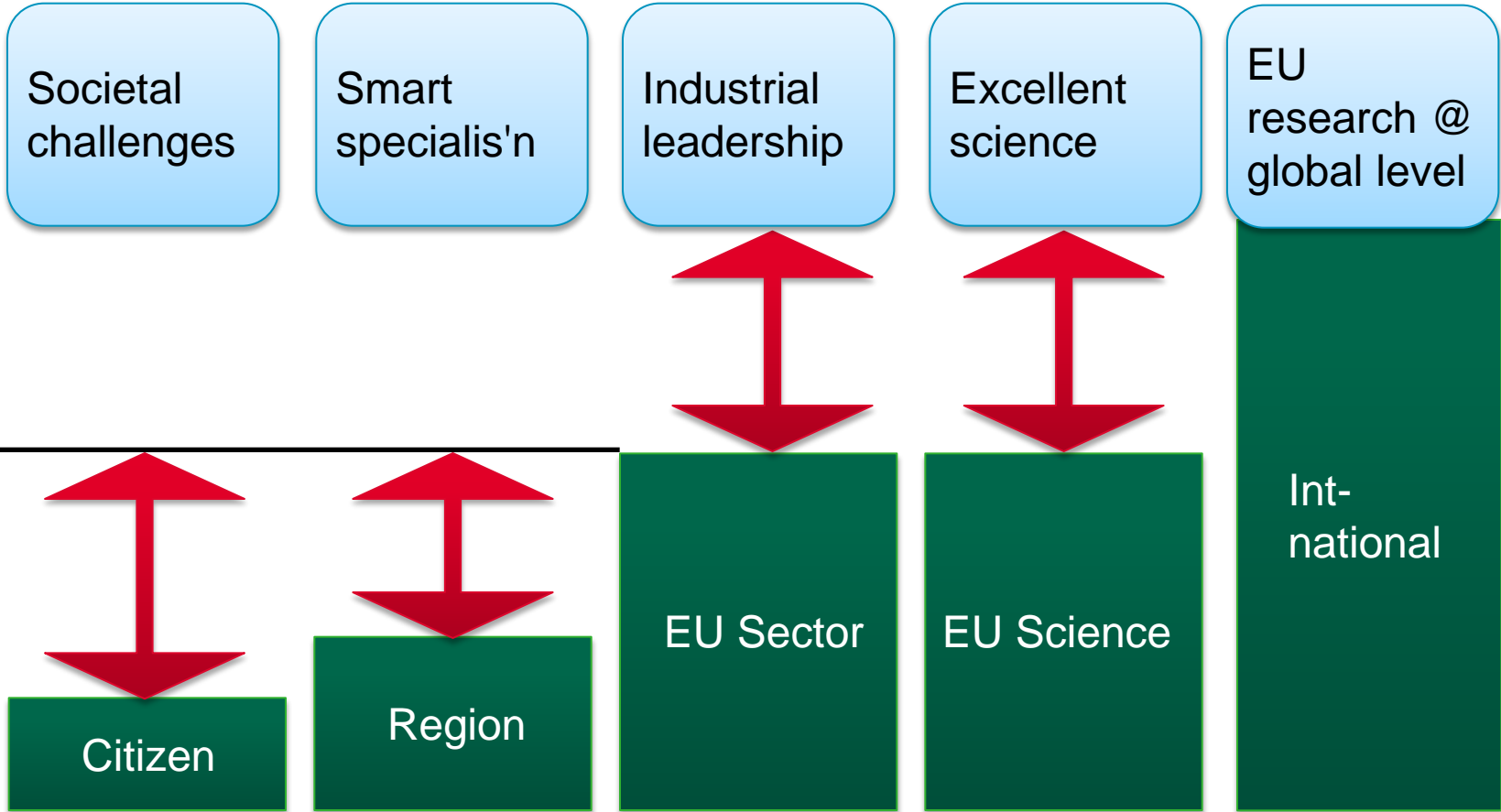
EU-Office@utwente.nl

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Telma Esteves & Melanie ten Asbroek

European Grants Advisors

EUROPEAN POLICIES

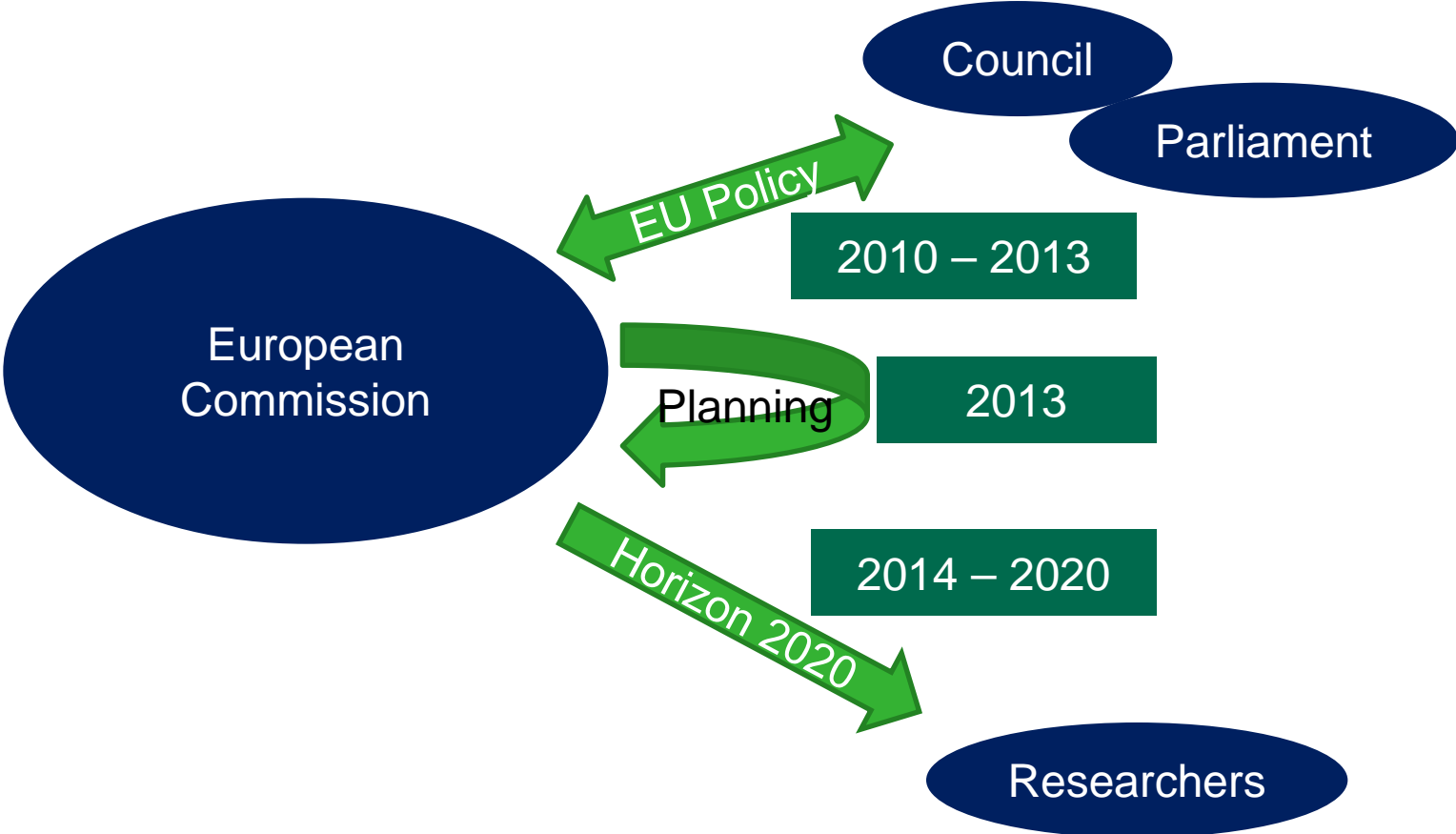


THE TARGETS

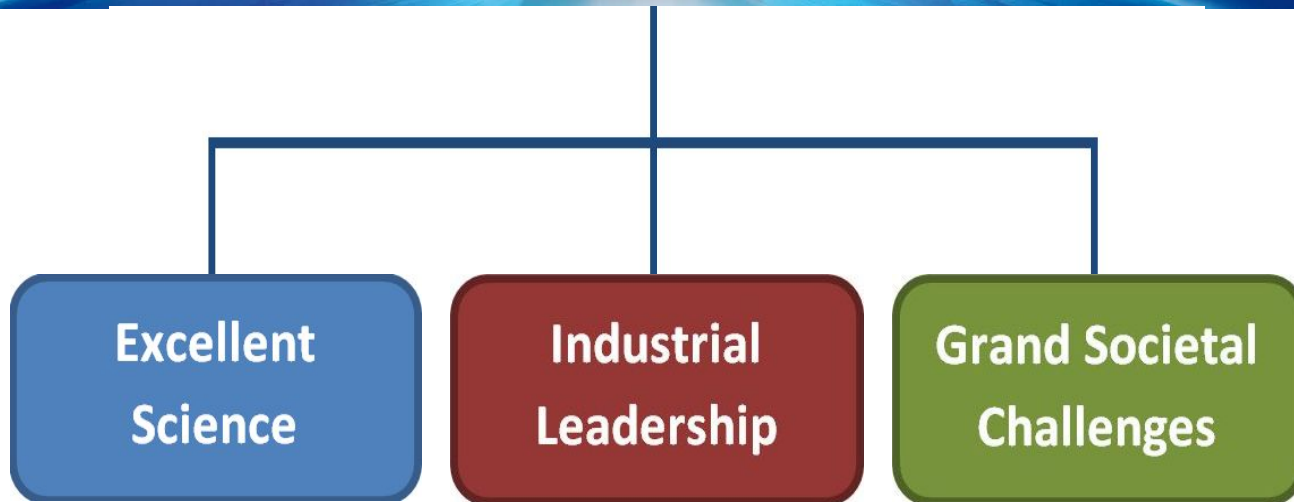
Targets for Europe 2020, Innovation Union & European Research Area:

- ⑩ **Responding to the economic crisis** to invest in future jobs and growth
- ⑩ **Addressing people's concerns** about their livelihoods, safety, environment
- ⑩ **Strengthening the EU's global position** in research, innovation and technology

PREPARATION OF HORIZON 2020



THE STRUCTURE



SOCIETAL CHALLENGES

Grand Societal
Challenges

Why?:

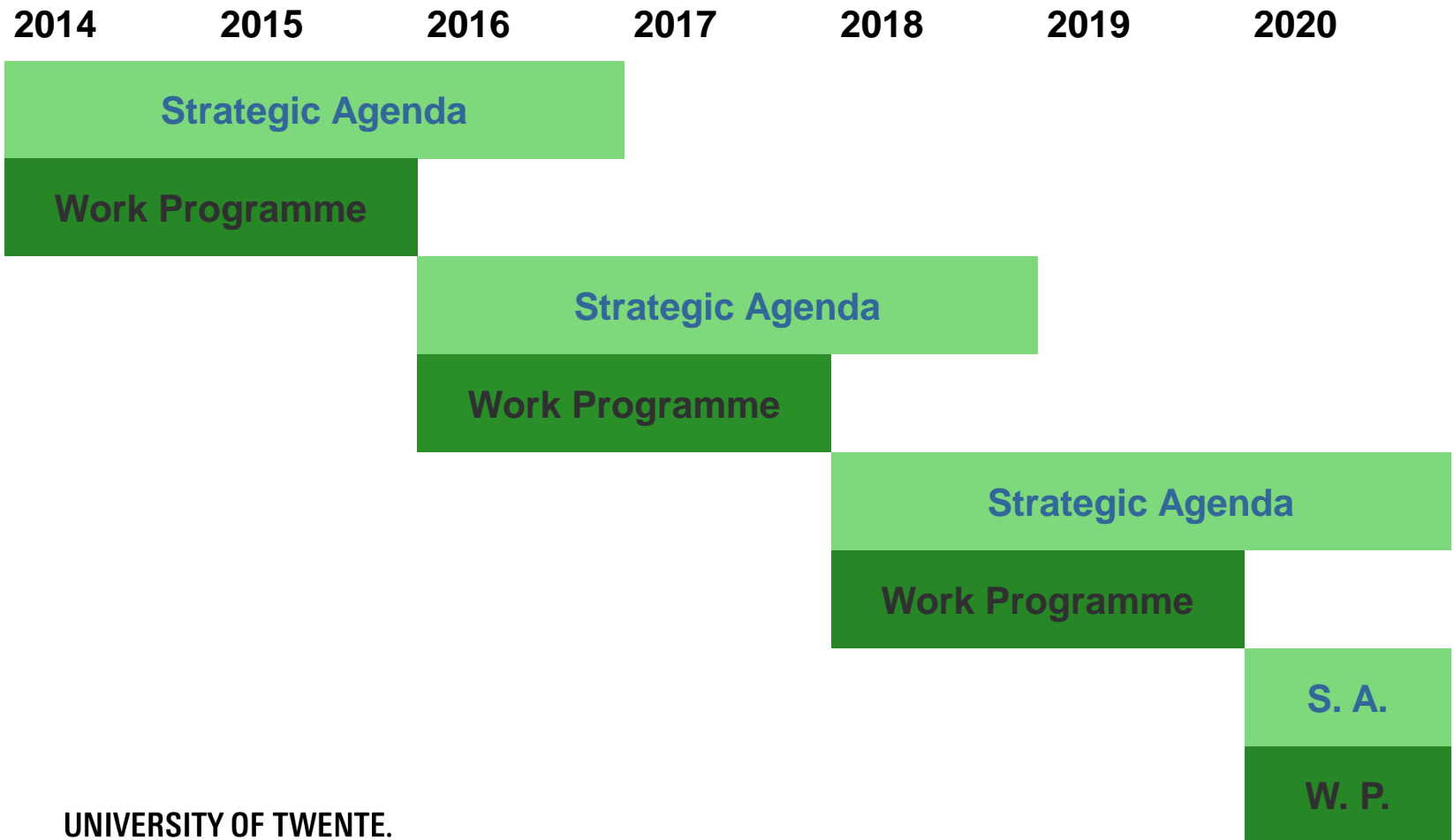
- ⑩ Concerns of citizens and society/EU policy objectives (climate, environment, energy, transport etc) cannot be achieved without innovation
- ⑩ Breakthrough solutions come from multi-disciplinary collaborations, including social sciences & humanities
- ⑩ Promising solutions need to be tested, demonstrated and scaled up

SOCIETAL CHALLENGES

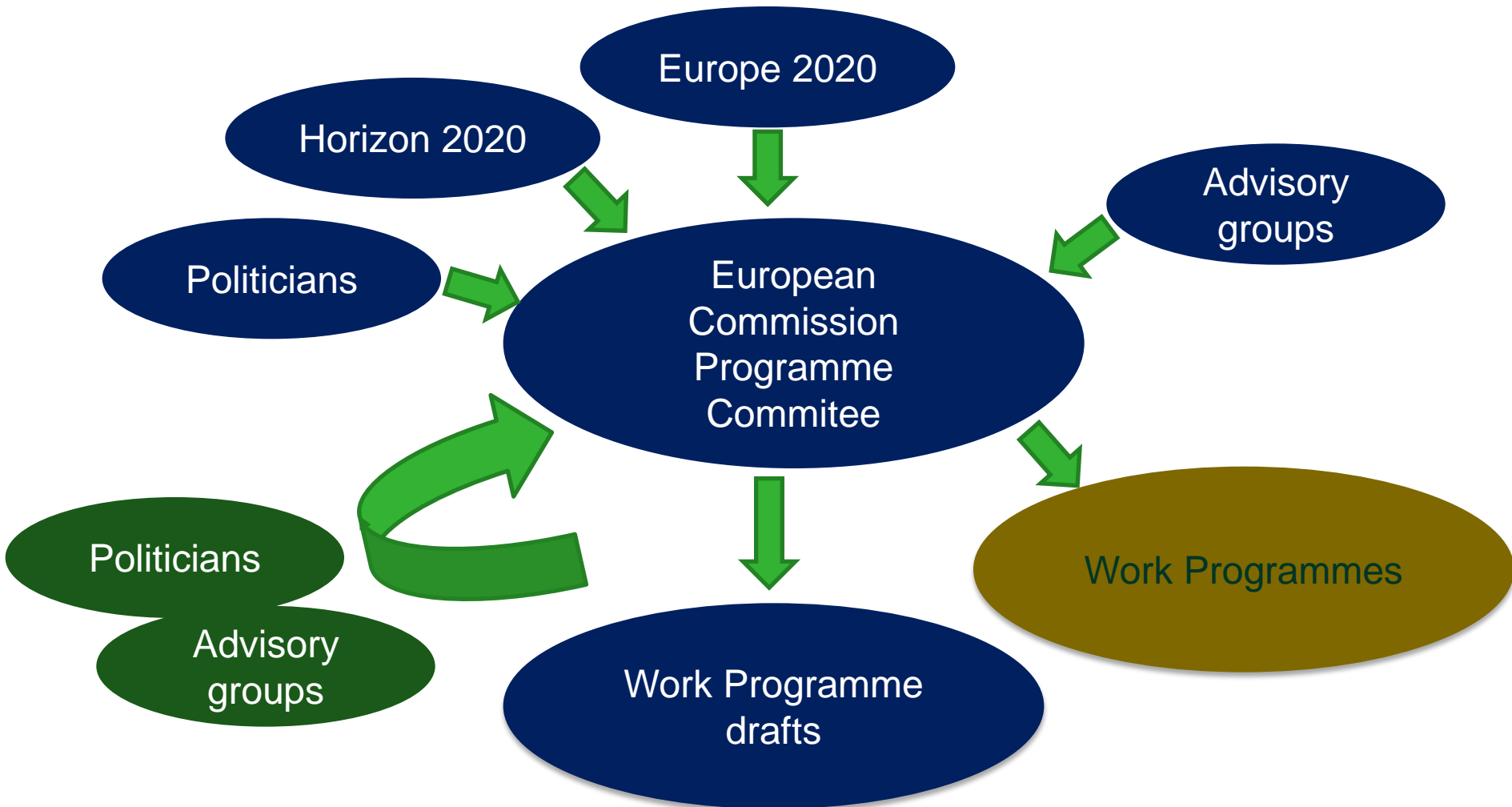
Grand Societal
Challenges

	<i>€ Million</i>
1. Health, demographic change and wellbeing	6 809
2. Food security, sustainable agriculture, marine and maritime research & the bio-economy	3 510
3. Secure, clean and efficient energy	5 405
4. Smart, green and integrated transport	5 777
5. Climate action, resource efficiency and raw materials	2 808
6. Inclusive, innovative and reflective societies	1 193
7. Secure societies	1 544

SCHEDULING OF WORK PROGRAMMES



WORK PROGRAMMES IN THE MAKING



INFLUENCING THE WORK PROGRAMMES

**European
Technology
Platform:
Setting Agenda**

ETPs by research area:

Energy	ICT	Knowledge-based Bio-economy	Production and processes	Transport
Biofuels FCH JTI SmartGrids TPWind Photovoltaics	ARTEMIS ENIAC ISI Net!Works NEM	FABRE TP Food GAH Plants Forest-based sector	ECTP ESTEP ETP SMR Manufacture NanoMedicine	ACARE ERRAC ERTRAC Waterborne ESTP
ZEP SNETP RHC	NESSI EUROP EPoSS Photonics21		FTC WSSTP SusChem EuMaT IndustrialSafety	

Cross-ETPs initiatives:

NANOfutures – a multi-sectorial, integrating platform aiming at connecting and establishing cooperation/ representation of ETPs that require nanotechnologies.

BECOTEPS – a joint effort towards better coordination and focus on key issues of common interest to all players in the Knowledge-Based Bio-Economy (KBBE) sector.

EURATEX – networking/ road-mapping and joint implementation actions in the sector of design-based consumer goods (European Consumer Goods Research Initiative).

SusChem-WssTP – partnership between the ETPs SusChem and WSSTP to set up a roadmap and high level cooperation towards more sustainable water use.

[EU Office website Advising Bodies](#)

INFLUENCING THE WORK PROGRAMMES

European
Innovation
Partnerships:
Setting Agenda

[EIP Agricultural Productivity
and Sustainability](#)



[EIP Water](#)



[EIP Raw Materials](#)

Raw Materials
Alternate
Recycle
Extract

PREPARING FOR ACTION

Background:

- Study EU-policy documents in the field
- Link research activities to specific paragraphs/ambitions/challenges mentioned in the texts

Mapping:

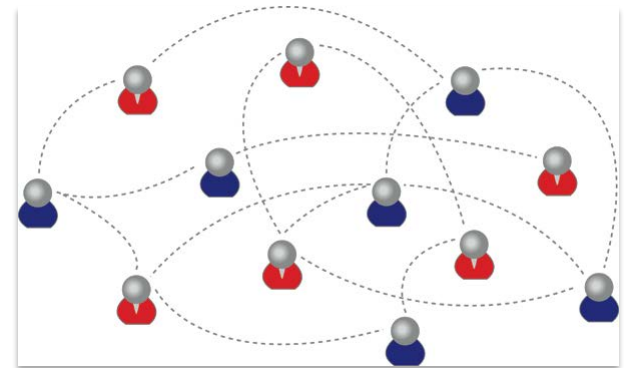
- Define who-is-who in scientific niche/network

Strategic networking:

- Link connections to relevant initiatives

Collaboration:

- Match individual action plan to a strategic outlook for your research group



!! Think/Act as multidisciplinary as possible at all stages !!

WORK PROGRAMMES

FOOD SECURITY & CLIMATE ACTION

- Work Programmes drafts (21./24. June 2013)
- *working documents* – confidentiality applies
- *calls for proposals* – topics outlined

Background/ Mapping/ Strategic networking/ Collaboration > **the roundtable**

Some definitions

- Collaborative project – single/ two stage
- Coordination project [Public Procurement for Innovation (PPI)]
- Inducement Prize
- ERA-NET
- SME-instrument

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Extra slide

Open Access to research data

- Open Access to research data underlying peer-review publications
- issues: big data, quality, culture of sharing, reliability
- threat? not participating will disqualify...
- the smart researcher will combine experiments with publicly available data
- prepare!!
 - good data storage environments (eg. 3UT.Datacenter, DKRZ)
 - "data management plan"