



# Future and Emerging Technologies (FET) Work Programme 2014-2015 in H2020



## FETPROACT-1-2014: Global System Science (GSS)

*Future and Emerging Technologies*

DG CONNECT

European Commission

# Agenda

- Future and Emerging Technologies (FET)
- H2020 Work Programme 2014-15 FET
- FET Proactive call, GSS topic
- Highlights
- In practice
- Q&A

# Future and Emerging Technologies (FET) three complementary funding schemes

Open, light and agile

Roadmap based research

## FET-Open

*Early Ideas*

Individual  
research projects

**Exploring  
novel ideas**

## FET Proactive

*Exploration and  
Incubation*

Topical clusters  
of research projects

**Developing  
topics & communities**

## FET Flagships

*Large-Scale  
Partnering Initiatives*

Common research  
agendas

**Addressing  
grand challenges**

# HORIZON 2020 WP2014-15 FET

- FET OPEN
- FET PROACTIVE
  - **FETPROACT-1-2014: Global System Science (GSS)**
  - FETPROACT-2-2014: Knowing, doing, being: cognition beyond problem solving
  - FETPROACT-3-2014: Quantum simulation
- FET PROACTIVE – towards exascale high performance computing
- FET FLAGSHIPS
- Other actions

# FETPROACT-1-2014: Global System Science (GSS)

## Specific challenge:

- Improve the way scientific knowledge can help inform and evaluate policy and societal responses to global challenges:
  - climate change,
  - global financial crises,
  - global pandemics,
  - and growth of cities – urbanisation and migration patterns.
- Radically novel ideas and thinking
- Full use of all available data
- System thinking

# FETPROACT-1-2014: Global System Science (GSS)

## Scope:

Proposals MUST address:

- Research grounded in theoretical foundations
- Contribution to solving real world problem in one selected problem area
- Communicate the scientific evidence-base
- Society/human centred technologies

**Recommended project size:** 2 to 3 M€

## Type of action:

Research and Innovation Actions (ex. Collaborative project)

**Budget:** 10M€ (deadline 01/4/2014)

# GSS TOPIC SCOPE

Scientific foundation  
(complex systems)

Real world problem  
+ cross-cutting policy  
dependencies (policy  
simulation)



**GSS Topic**

Social engagement:

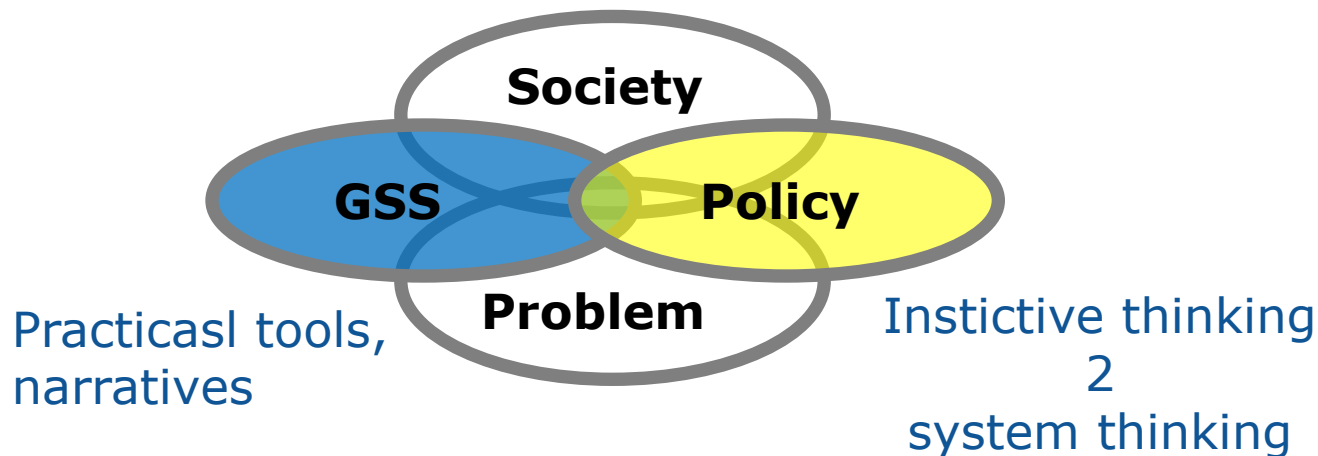
- Collecting data + assesment of the outcomes
- Stimulate societal responses and acceptance through e.g. games, narratives (inclusion of artists)

Models + practical tools for policy makers (analysis, visualization)

- Policy makers should somehow be included

# Highlights

- Including citizens and policy makers (creating communities)
- Communicate complex science to non-experts (narratives, artists)
- Keeping models, software and data open
- GSS & Policies Diffusion





# In practice

- Strict page limitation (15 + cover page)
- Proposal Template
- FET specific evaluation criteria (Excellence, impact, implementation)
- 'Less is more': it's the idea that counts, not the coverage of everything
- Consortium 'fit for purpose'
- Show that it is plausible (even if high-risk – if, if, if...) to achieve it (and what that would mean).
- Write for 'you' (the S&T world), not for 'us' (the Commission)
- No technical negotiation

# Q&A

Pre-proposal checks are not provided in H2020