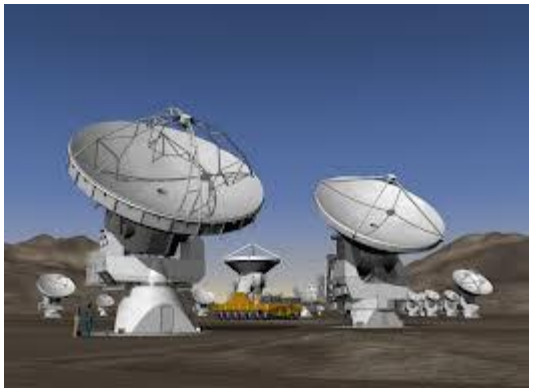
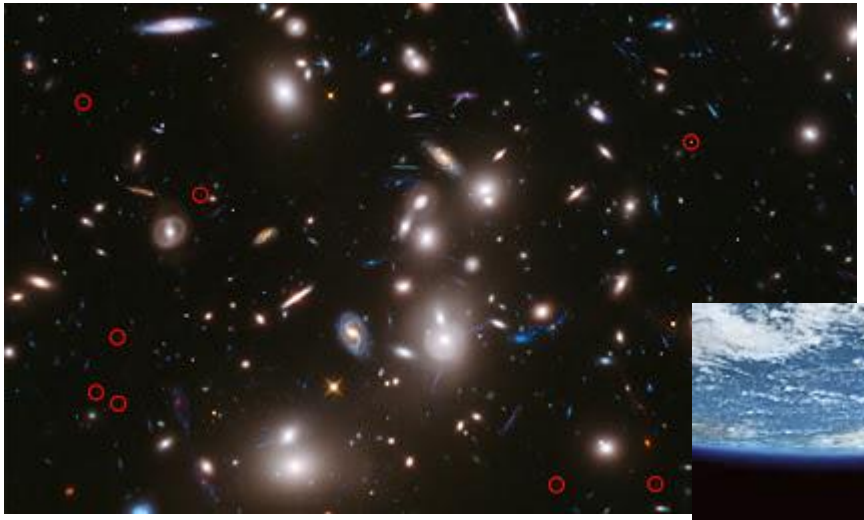
European Commission

FET Observatory





FET Observatory CSA in WP14-15

- ***FET Observatory**: identifying new opportunities and directions for interdisciplinary research towards new and visionary technology of any kind, combining evidence from FET (e.g., portfolio analysis) and other sources, as well as by broad and open stakeholder engagement, in particular through on line tools.*
- *1 project: grant of 0,3 to 0,5 M€*

FET Observatory: objectives

1) Establish FET as 'the place to ask' about future technologies, e.g.:

Source of information 'par excellence' on future and emerging technologies
360 degrees view of upcoming areas (hard and soft aspects)
FET observatory to embrace all technology areas => New H2020 mandate for FET

2) Knowing what and whom we fund, e.g.:

FET portfolio analysis (especially Open)
FET community analysis (actors, interdisciplinarity)
FET in the broader S&T&I funding landscape (national, European, global)

3) Picking up new developments early on, e.g.:

Identifying early/weak signals of new directions for FET
Identify new R&I practices, new types of actors,…

4) Identify new opportunities for interdisciplinary S&T research, e.g.:

New interdisciplinarity and actor configurations
Opportunities from large-scale synergies in international research agendas
International cooperation and global developments at agency level (e.g., Global Research Council)

FET observatory: some sources of signals

- FET project portfolio and its community
  - **- ~ 250 projects running at anytime**
  - **2 very large 10 years flagship initiative (HPB & Graphene)**
  - **1 PPP for the HPC initiative**
- Science, technology and innovation communities (broad)
- Other funding agencies with profile adjacent to FET (e.g. ERC and worldwide)
- Ad-hoc groups or advisory groups (FET Advisory Group)
- Other FET Coordination and Support Actions ('Exchange', 'Prize')
- Innovators, entrepreneurs, visionaries, policy makers
- Privately funded FET-like research initiatives (by the Googles and the like)

- … (It's up to you to propose!)

Observatory: areas of activities (indicative)

- Rolling portfolio analysis (what questions? Which methods, tools? Form of results?)
- Rolling FET Community analysis (questions, methods, tools, results)
- On-line consultation/animation/debate (see also currently going on)
- Design a coherent approach that can be extended throughout H2020 or further (and thus beyond your project).
- Ongoing, rolling process – not a one shot result
- Look at broader developments (e.g., new actors, new ways of doing science, technology and innovation work, …)
- Workshops or sessions in well-chosen events and conferences
- Access to results (e.g., interactive on (open-)data, or static – like top 10 report)
- Feeding into FET Communication
- Tracking of identified signals and their evolution over time
- …

It's up to you to propose.

Current consultation

European Commission

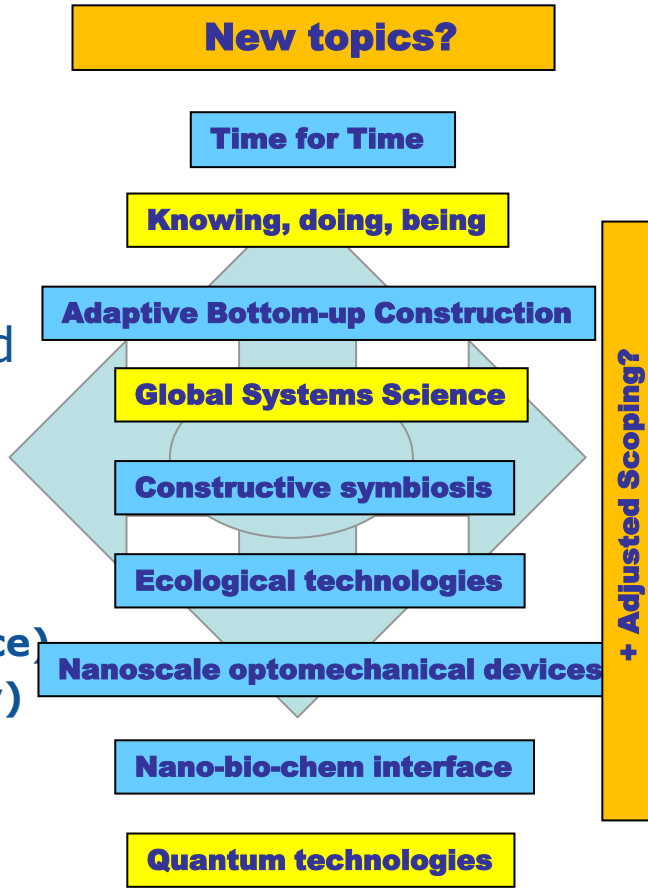
Launch a new on-line consultation on future FET proactives

Objective: Identify new candidate topics and provide any update on the 9 previously identified research domains

Reaching-out to get input from a wider range of R&I communities as well as key institutionalised stakeholders at European and national levels.

+ getting input on potential 'Implementation modalities' like:

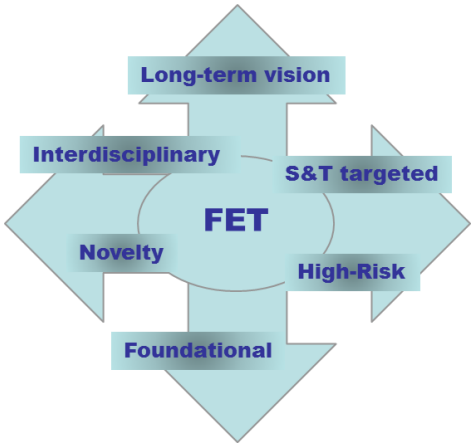
- **Collection of projects (e.g., for exploration)**
- **Single large project (e.g., for increased coherence)**
- **ERANET Cofund (e.g., to implement a MS priority)**
- **Prize (to mobilise on specific target)**
- **CSA with specific strategic purpose (e.g., to prepare for impact or transfer)**



http://ec.europa.eu/digital-agenda/en/content/consultation-new-fet-proactive-topics

FET Observatory: some advice

- Credibility, coverage and engagement are crucial
- Be inclusive in range of disciplines and actors (e.g., social science and humanities, arts, civil society, …)
- Empower others to contribute and collaborate to stimulate sense of ownership.
- Add value to raw data from good tools (data mining, network and graph analysis, bibliometrics…) and from your knowledge (making spurious links between projects explicit)
- Don't be your own lobbyist!
- Concreteness of results, e.g., to feed FETAG and FET WP preparation (around spring 2016)
- Keep diversity in mind (gender, age, culture,…)
- Focus on FET specificity (e.g. gatekeepers)



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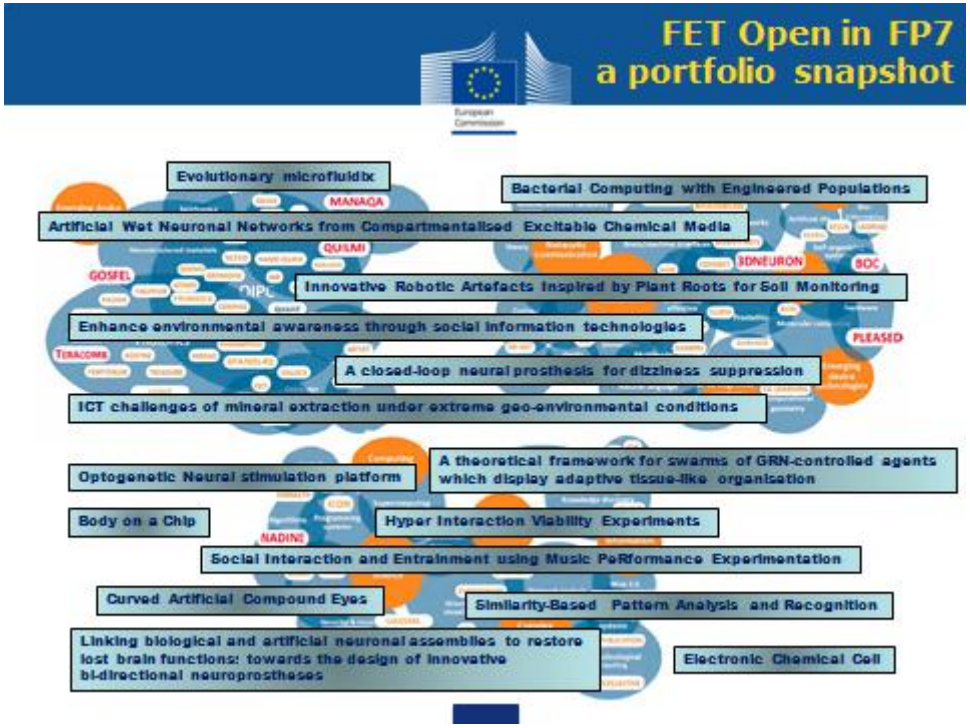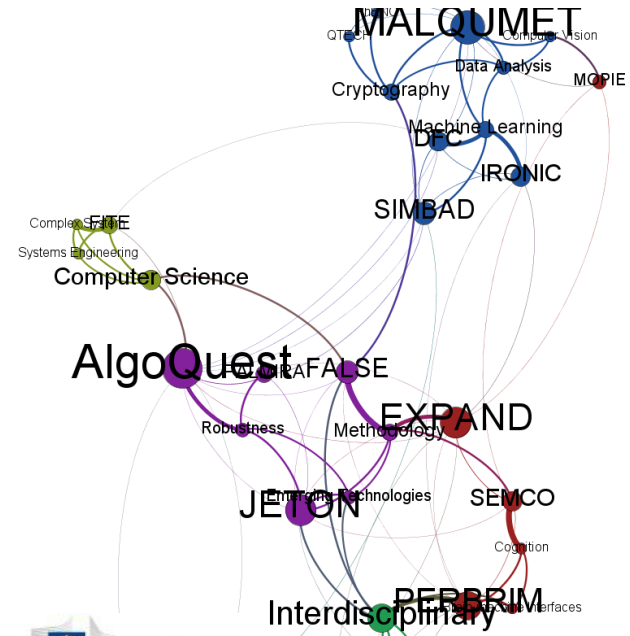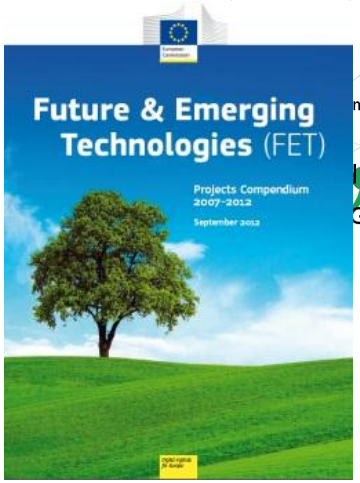
Portfolio: adding value