European Strategy Forum
on Research Infrastructures **ESFRI**

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European Research Infrastructures
Roadmap 2016

Launch of the 2016 ESFRI Roadmap

Summary and key dates

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Chair of ESFRI

Photograph by (cover: The European X-Ray Free-Electron Laser Project) Dirk Noelle, formech

New ESFRI Roadmap 2016

ESFRI mandate updated at Informal Competitiveness Council in Milano (July 2014) to complete a new Roadmap for 2016 with new criteria of selection and format

New Roadmap will contain fewer, more mature projects

It will also be more of a strategy document that analyses:

- the landscape of RIs in EU and internationally

- gaps in the EU RI ecosystem

- pan-European projects

- synergies with the national/regional projects

- synergies with existing RIs and strategies for optimal use, continuous upgrade, sustainability and end of life perspectives

- global research infrastructure opportunities

Rules for new Roadmap

- Much shorter – **only ~25 Projects** on the new Roadmap
- Projects that have been on the roadmap and not implemented will automatically roll off after 10 years
  - Any project that wants to be considered again after 10 years must reapply, either in a different form or with bottlenecks resolved
- **Room for 8-10 new projects** on the 2016 roadmap
- Entry level projects will be at a more mature level
  - conceptual design and feasibility done
  - supported by at least three MS
- Every 2-3 years audit of the project by ESFRI Implementation WG
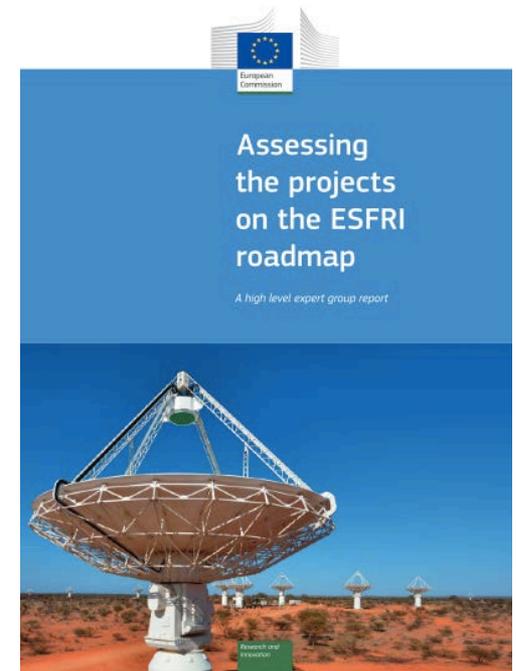- Opportunities to add more projects in 2018, 2020 as others roll off

Proposing projects for new roadmap

The proposal process will be on-line (reserved to National Delegations and EIRO forum). Key questions will include:
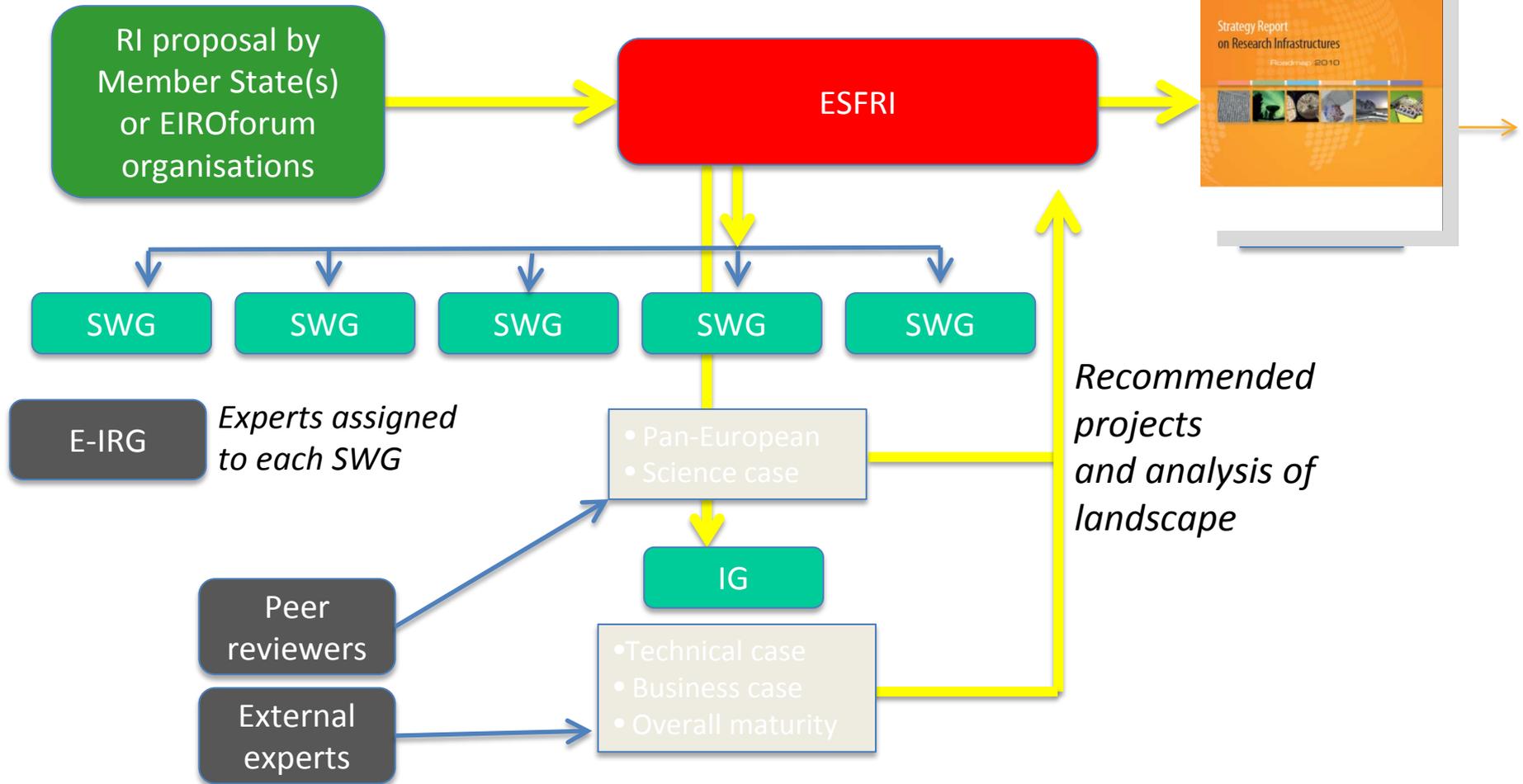
- What is the value for science? for innovation?

- Cost and Schedule?

- What is the strategy for siting? What is the governance model? What is the data management plan?

- How it is planned to be financed?

- Does it replace existing facilities?

- Is the project included on one or more national roadmaps?

- What is the intended user community? Will it be open access?

- What preparatory work has been done?

- Design Studies? Business case? Investment plan?

- Is it intended to apply for H2020 preparatory phase?

Evaluation of Projects

- Proposals will be screened for eligibility and assigned to one of ESFRI's strategic working groups

- Scientific merit and pan European relevance (based on ESFRI criteria) will be assessed by the SWG, using the advice of independent peer reviewers

- e-science aspects will be coordinated with e-IRG

- Project and governance maturity will be assessed by the Implementation working group, again using advice from external experts, based on the approach used by the Assessment Expert group in 2012

Assessing
the projects
on the ESFRI
roadmap

A high level expert group report

The Roadmap Process

RI proposal by Member State(s) or EIROforum organisations

ESFRI

Strategy Report on Research Infrastructures

SWG   SWG   SWG   SWG   SWG

E-IRG   *Experts assigned to each SWG*

Peer reviewers

External experts

- Pan-European
- Science case

IG

- Technical case
- Business case
- Overall maturity

Recommended projects and analysis of landscape

FAQ

- What is a "major upgrade?"
    - An upgrade to an RI with the goal to deliver a transformative change in its scientific outputs, or a complete change of technical approach
    - NOT routine maintenance or incremental gains

- Proposals from EIROforum organisations
    - Need to see a council resolution on funding suport

FAQ

- Assessment process for 2008/10 projects
  - "light touch', by IG, assess progress towards implementation
- Assessment for new proposals
  - Full assessment by SWG and IG

- Who makes final recommendation on the new projects?
  - SWGs and IG recommend to ESFRI EB
  - EB will pass the SWG and IG recommendations to the forum, together with an overall proposal
  - Final roadmap approved by the forum

Key dates

- 25 September 2014:
  Open for applications from national delegations and EIROforum
  (Most countries will have their own internal selection process)

- 31 March 2015:
  Deadline for new project proposals

- January 2016:
  New roadmap presented

Thank you!