



Towards large international infrastructures: Management of processes and projects.

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Outline

RISØ

- From *Ad Hoc* to Strategy
- Stakeholders in large infrastructure projects
- Ownerships to planning processes
- National planning procedures
- Making it happen

From *Ad Hoc* to Strategy- why?

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Globalisation of science:

Cultural:

- Cross-border co-laborations

Economic:

- Exceeds national capacities

Quality:

- Best user teams

Stakeholders for Large Infrastructure Projects

RISØ



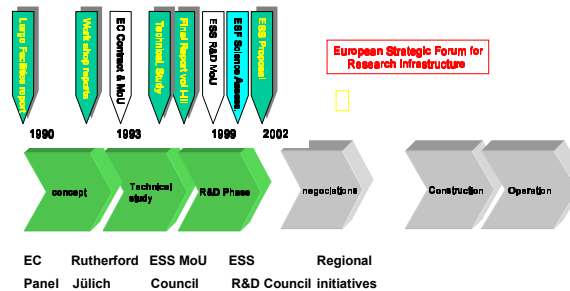
Ownership to planning processes

RISØ

- Community of researchers
- Universities and research institutions
- International organisations
- Research agencies, Research councils and funding organisations
- Governments and European Commission
- New Infrastructure Organisation

Planning of the European Spallation Source:

RISØ



Lessons learned from ESS process



- Embraced the whole international community
- Engaged the leading national institutions
- Kept international fora well informed
- Received regional support

- Limited engagement of other disciplines
- No recipient for international proposal
- Different national priorities and schedules
- No champion nation

National planning procedures



Proposed new procedure in Denmark:

- Central co-ordinating committee
- Research Councils as advisory bodies
- Delegation of operational tasks
- National road-map linked to European planning
- Budget increase proposed and review of procedures
- Closer look at libraries, databanks and digitalisation
- Evaluations regularly

Making it happen



- Common strategy based on common criteria

Evaluation Criteria:



- Is the infrastructure of European interest?
- Is the infrastructure original and innovative?
- Would it advance the state-of-art in its field?
- Are the funding and socio-economic dimensions properly established?
- What is the European added value of the project?
- Is the construction project scientifically sound?
- Is the specific project well managed?
- Are the costs of the project justified?

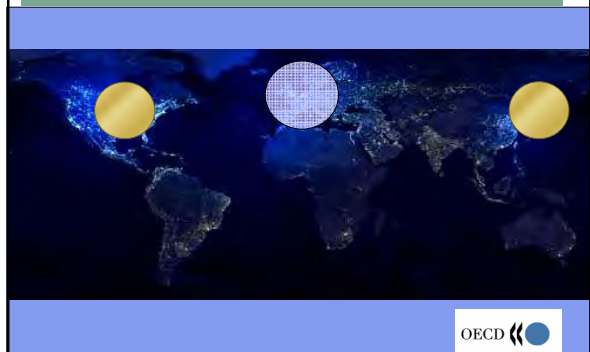
Making it happen



- Common strategy based on common criteria
- Acknowledge global urgency in national discussion

OECD:

A three-pronged global strategy



Making it happen



- Common strategy based on common criteria
- Acknowledge global urgency in national discussion
- Find flexible models for implementation ie the SNS multi-laboratory model

SNS - Spallation Neutron Source



- The SNS will begin operation in 2006
- At 1.4 MW it will be ~8x ISIS, the world's leading pulsed spallation source
- The peak thermal neutron flux will be ~50-100x ILL
- SNS will be the world's leading facility for neutron scattering
- It will be a short drive from HFIR, a reactor source with a flux comparable to the ILL

Making it happen



- Common strategy based on common criteria
- Acknowledge global urgency in national discussion
- Find flexible models for implementation ie the SNS model
- Match stakeholders and owners interest – release new economic potential
- Give infrastructure sufficient priority at all levels.

Making it happen



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