

ICT-ENSURE



Building the European Research Area in the Field of ICT for Environmental Sustainability



Information Society
Technologies

ICT-ENSURE



ISEP





Forschungszentrum Karlsruhe
in der Helmholtz-Gemeinschaft

ICT-ENSURE

7th Framework Programme Support Action
in the area of

Information and Communication Technologies for environmental sustainability.

-  ... To extend the network of environmental sustainability research
-  ... To explore the structure and content of European research programmes relevant for sustainable development

Environmental Sustainability

Definition:

Ensuring that the overall productivity of accumulated human and physical capital resulting from development actions more than compensates for the direct or indirect loss or degradation of the environment.

(World Bank)

Goal 7 of the UN Millennium Development Goals specifically refers to this in part as integrating the principles of sustainable development into country policies and programs and reversing loss of environmental resources.

Environmental Sustainability



- Frameworks
- Action Plans
- Legislative Measures
- Networks
- Information Systems
- (Virtual) Communities
- ...






ICT-ENSURE

- Provide easier access to environmental sustainability information
 - Structure a yet unstructured field
 - Extend the environmental sustainability research network
- ➔ Contribute to a coherent **European Research Area (ERA)**
- ➔ Work towards a **Single Information Space in Europe** for the Environment (**SISE**)

Background Information

ICT-ENSURE...

-  Funded under 7th Framework Programme, Theme 3 (ICT) within the DG INFSO (Information Society and Media), Unit H4 – ICT for Sustainable Growth
-  Duration: 24 months
May 2008 – April 2010
-  Budget: 1.250.000 €

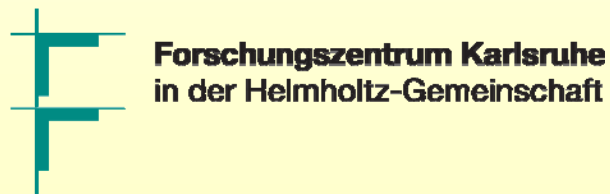
ICT-ENSURE Consortium



Graz University of
Technology



International Society for
Environmental Protection



Forschungszentrum
Karlsruhe

Project Objectives

Network & Communicate

Extension of the expert network



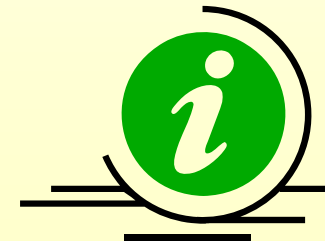
Survey & Analysis

of relevant and selected
research areas



Inform & Support

Development of two web-
based information systems



Network & Communicate



Workshops

Barcelona, July 08

Paris, January 09

Prague, March 09

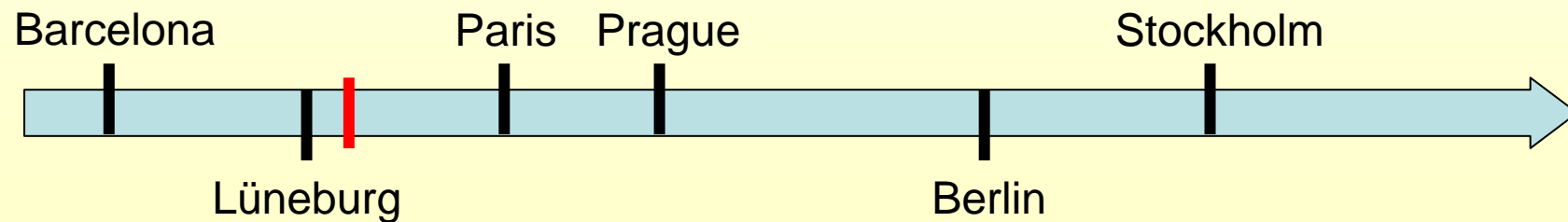
Stockholm, December 09



EnviroInfo Conferences

Lüneburg, September 2008

Berlin, September 2009



Survey & Analyse

Key areas...

Climate Change

Energy consumption/efficiency

Sustainable Use of Natural Resources

Industrial Ecology

Agriculture, Biodiversity

Landscape Planning

Personalised IS for Quality of Life

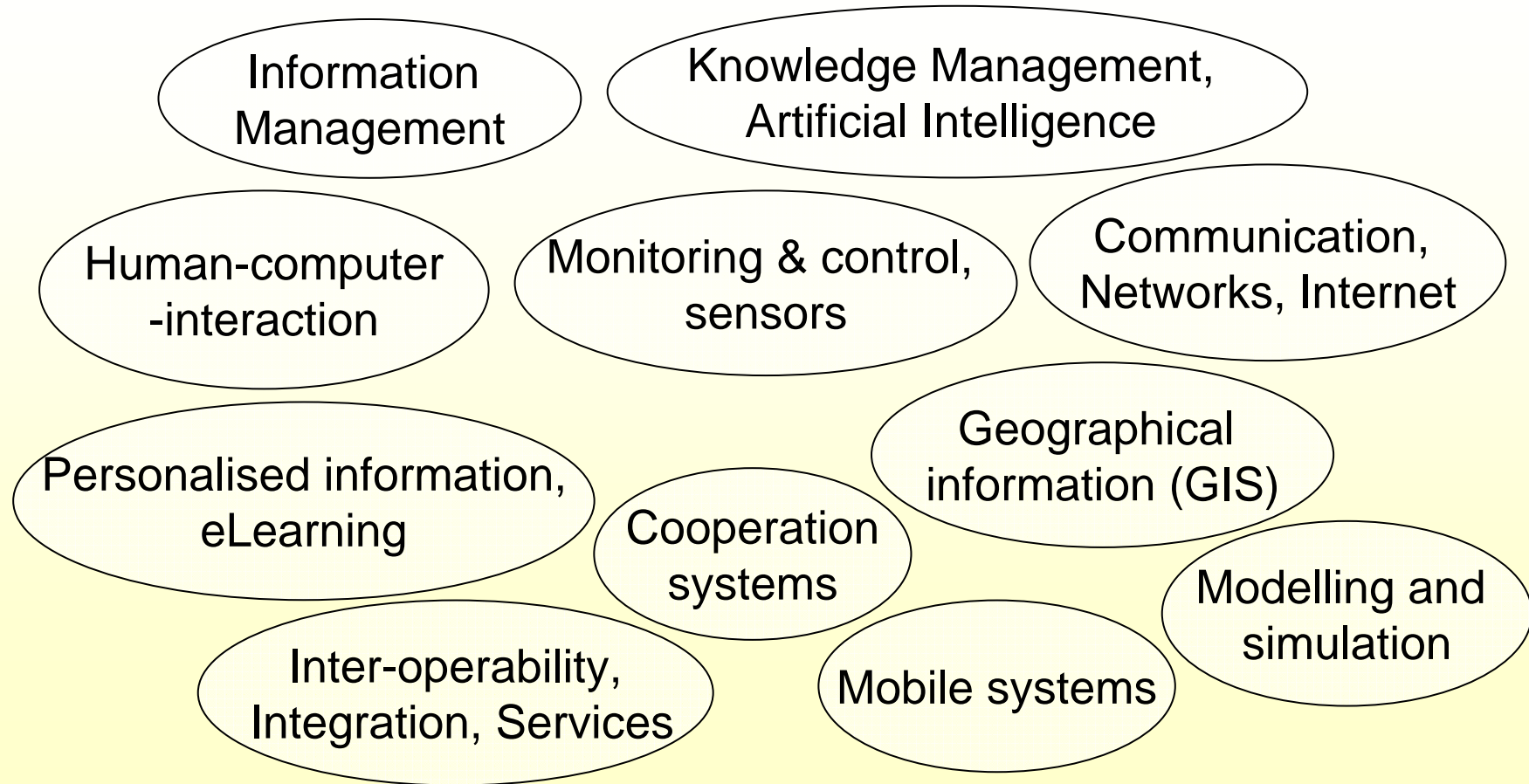
Sustainable Urban Development

Health

Environmental Risk Management

Survey & Analyse

Information and Communication Technologies...

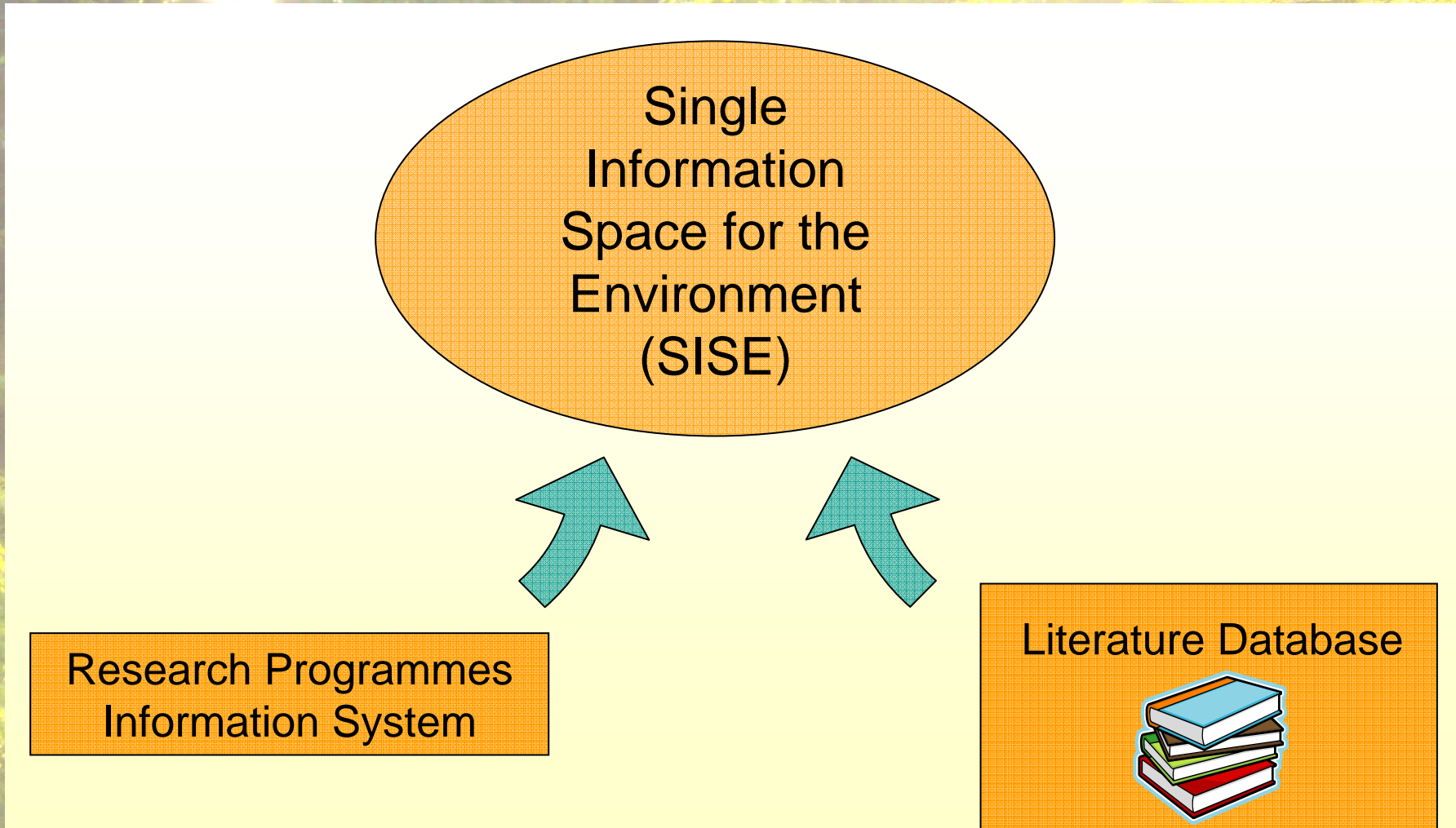


Survey & Analyse

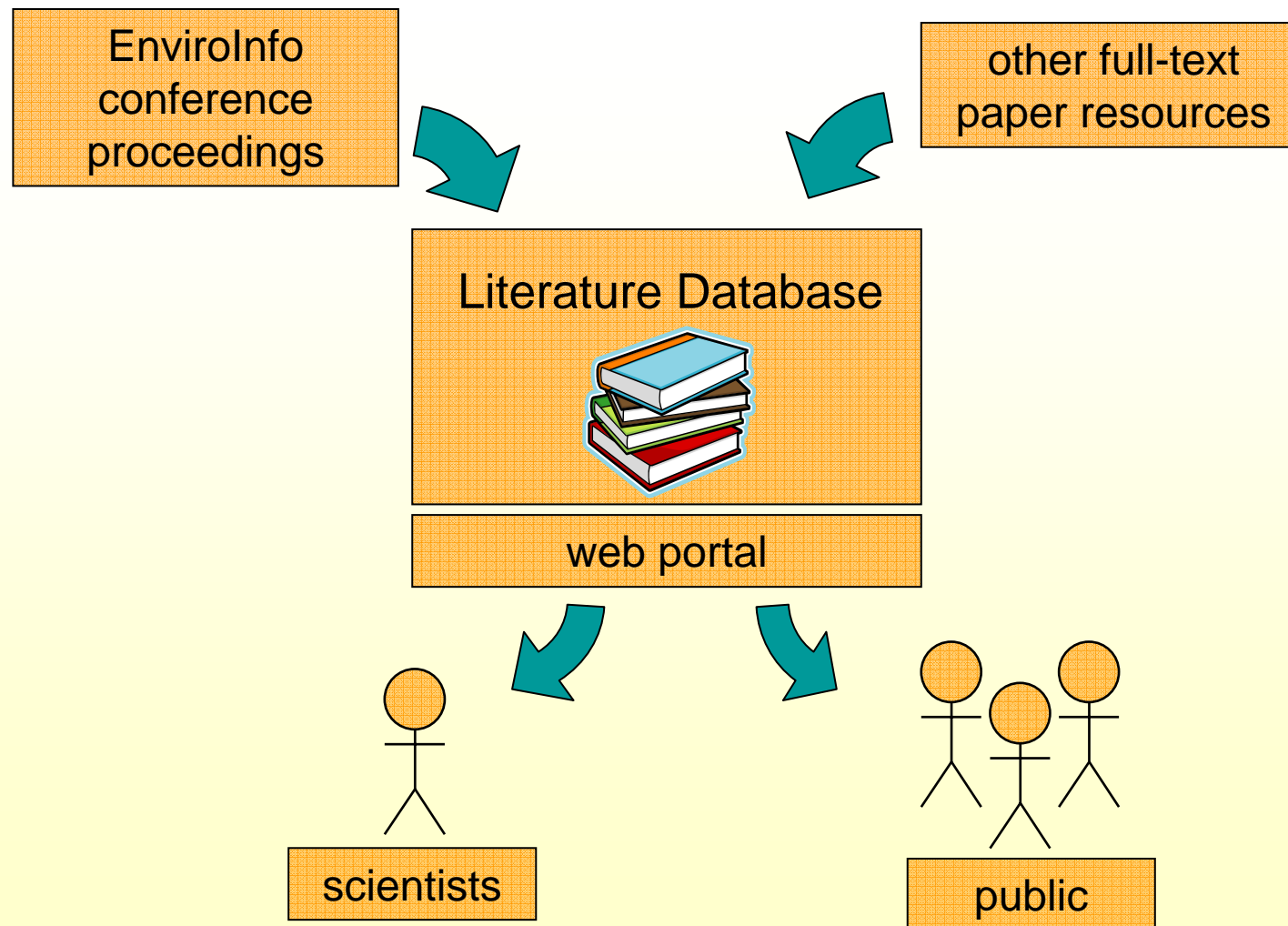
ICT for Environmental Sustainability key areas...

- European Research Area
- National and international research programmes
- Current application areas and research
- Relevance of ICT applications in key areas
- Potential and limitations
- Development of recommendations

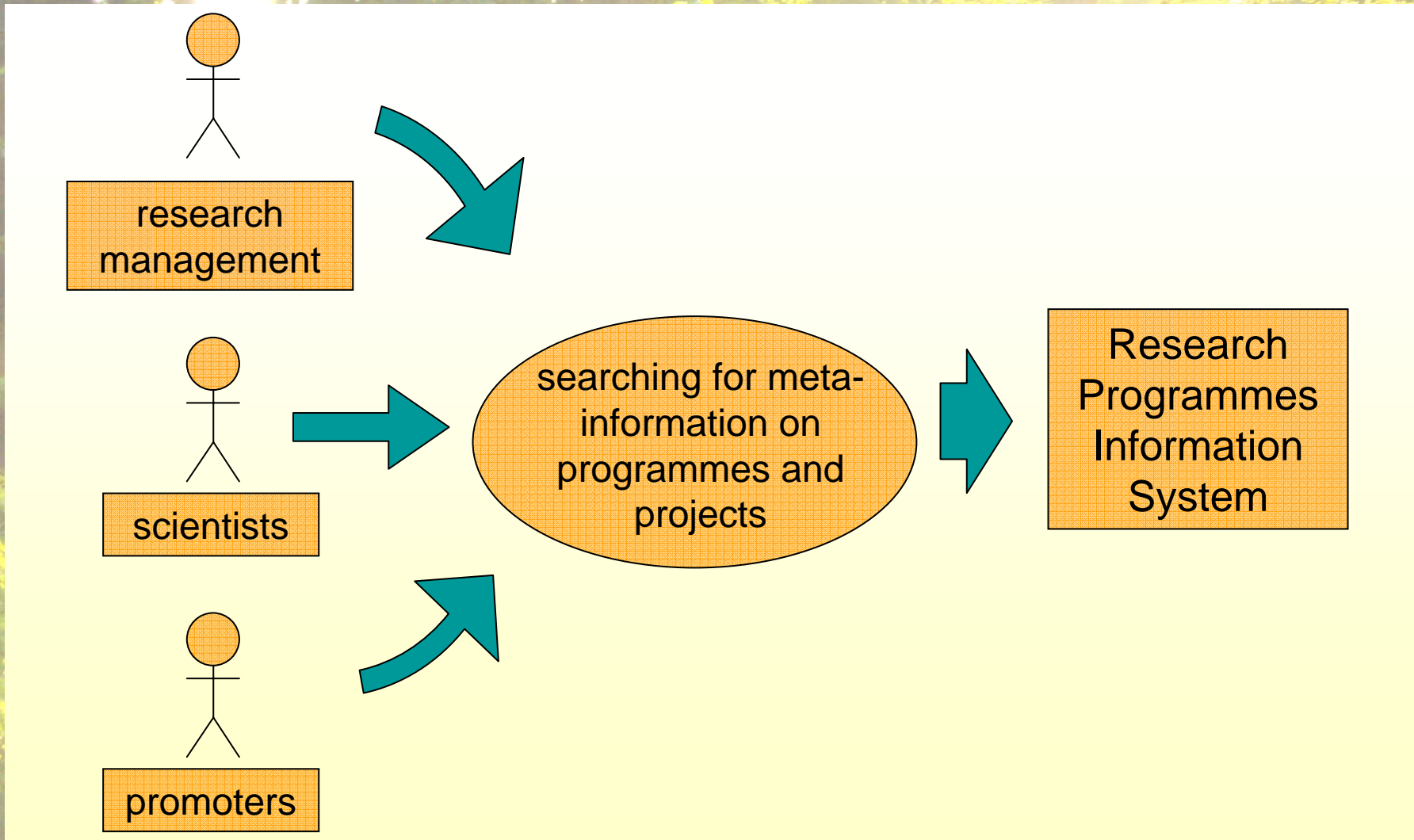
Inform & Support



Inform & Support



Inform & Support



Inform and support

- Search for meta-information on programmes and projects in the area of ICT for environmental sustainability
- Offer support in the development of projects by providing programme specific background information and a connection to the community
- Gain access to experts and to organisations in this field of research
- Help to generate and expand the interdisciplinary community in the field of ICT for environmental sustainability.

Conclusion

- First networking actions have already taken place (Barcelona, EnviroInfo)
- Some additional experts have come to be involved in the project
- Key area selection and Analysis of Information and Communication Technologies
- Requirements of the research programmes information system defined

Outlook

- Organisation of further Workshops
- Contacting of additional Experts in the selected key areas
- Development of Information Systems
- Analysis and Evaluation of research programmes and key areas
- Condensing of insights for selected domains on ICT for environmental sustainability

Sustainability is here to stay or we may not be

(Niall Fitzgerald, UK CEO, Unilever)

www.ict-ensure.eu

ensure-office@mlist.tugraz.at

Thank you for your attention!


Lisa Maurer (TUG)


Christoph Eibel (TUG)

Klaus Tochtermann (TUG)

ICT for Climate Change

 Network & Communicate

 Survey & Analyse

 Inform & Support

Cooperation

We are looking for experts who are interested in participating in our project and network:

- Project idea & results
- Information system: join or inform
- Participate in project events
- Co-organise events
- Support with expertise
- Involve more experts from EU 27

Cooperation

We are especially interested in the relevance of **ICT in the area of climate change** (or other ENSURE key areas) with special focus on **climate change adaptation**.

- Which IC-Technologies are commonly used
- What is the importance of ICT
- What is the potential
- What are recent important developments
- What are the leading expert groups, organisations, networks and projects in this area of research.
- ...