

# Dynamic Pathways

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# The Delphi Approach

- Iterative procedure for eliciting expert judgement
- First used in 1950s
- Problems involving mix of scientific evidence and social judgement
- Exposes areas of disagreement / consensus

# Work Plan

1. Review / pilot Delphi questionnaire

*Edinburgh, March 2006*

2. First round Delphi questionnaire

*June 2006*

3. Second round Delphi questionnaire

*September 2006*

4. Analysis and pathway development

*Draft report end of 2006*

# UKCCSC Delphi

## Objectives

1. To collect data from which to build up pathways
2. To gain a better understanding of the key uncertainties / controversies associated with CCS technologies
3. To identify key challenges / conditions for the implementation of CCS in the UK

*We are not aiming for a single consensus viewpoint but to gauge the range of opinion on different aspects of CCS technologies*

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## Social / family relationships

Click on HELP to see the PANORAMA of this IST APPLICATION AREA: [Help](#)

**What is your level of knowledge concerning this application area**

	None	Only basic	Moderate	Expert
Knowledge of the area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Knowledge of IST issues	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Knowledge of policy issues	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**How important do you think IST applications to this area will be, to achieving the vision of a successful Knowledge Economy?**  
For more information on the Knowledge Economy please click on HELP: [Help](#)

	Irrelevant	Fairly Unimportant	Moderately Important	Very important	Essential
For the EU	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
For your country	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

The next two questions ask for your views about the current situation of IST applications in this area, in the EU25 as compared to competitors elsewhere in the world, and in your own country as compared to the rest of the EU25... Since the situation can involve a mixture of leading, lagging, and average performers, we invite you to choose more than one statement to characterise the situation.

**How well developed are the R&D capabilities that are needed to contribute to the generation of IST applications for this area? -**

	Lagging behind	Average	Cutting-edge
In EU25 compared to the World, <u>most R&amp;D capabilities</u> are:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
However, <u>a few R&amp;D capabilities</u> in EU25 are:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
In your country compared to EU25, <u>most R&amp;D capabilities</u> are:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
However, <u>a few R&amp;D capabilities</u> in your country are:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

**How well developed are the capabilities for industrial exploitation of new IST applications for this area? -**

	Lagging behind	Average	Cutting-edge
In EU25 compared to the World, <u>most business leaders</u> are:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Internet

PREST : [EUFORIA Delphi] - Microsoft Internet Explorer

Address: http://www.calbrun.com/surveylet/previewpage.asp?rd=0%2E25637028a=4A%2E16%2E50%2E4F%2E4F8u=48%2E49%2E52%2E54%2E1%2E4F8sq=3cy=8ap=18page=28&

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## Section 1 of 6: Governance and Mobility

After completing this section we invite you to click on **NEXT** in order to continue to the next section. If you prefer to have a rest and complete the Delphi later on, please click on the **SAVE** button and you will be asked for your name (optional) and email. This information will allow the system to send you an automatic email with your re-access information.

Please, use the comboboxes (below) to indicate the effect of the statement on the following factors:

Sub Sector: Governance and Mobility	Your degree of expertise	How does the statement reflect the situation in 2015?	Social cohesion	Social exclusion or divides	Sustainability / environmental quality	Employee-employee relations	Economic growth / wealth creation	Entrepreneurship and Innovativeness	Employee exercise of autonomy & responsibility at work	Work-life balance	Job creation
The balance between immigration and emigration in the EU15 causes the percentage of non-EU15 immigrant workers to more than double by 2015		Underestimates it is about right Overestimates it is NOT right I don't know									
Widespread use of ICT in e-governance enhances transparency in the procedures concerning the relationship between the citizen and the state in my country											
Labour relations organisations (e.g. trade union and other representative bodies) will have a major influence on government and business in shaping the knowledge society in my country											
New technologies and knowledge management methods greatly strengthen the ability of governments and organisations to engage in widespread social control in my country											
Regulatory authorities take steps to ensure that user-secure communication networks are secure against practically all conceivable emergencies											
EU policies are used to promote labour market mobility, despite resistance from individuals, trade unions and employer organisations											

Please use this box to feedback and make comments. Thank!

# Delphi Pilot - Edinburgh

- Test and validate survey questions
- Ensure useful and relevant policy and scientific questions
- Facilitate and implement integration across Consortium

# Delphi Pilot - Edinburgh

Three break out groups:

- Group A:**
1. Profile questions
  2. Landscape questions
  - 3. Capture**
  8. International Dimensions

- Group B:**
1. Profile questions
  2. Landscape questions
  - 4. Storage**
  - 7. Risk**
  8. International Dimensions

- Group C:**
1. Profile questions
  2. Landscape questions
  - 5. Costs / Economics**
  - 6. Regulatory Framework**
  8. International Dimensions



# Delphi Pilot - Edinburgh

- Approx. 15 mins to run through questions
- Are these appropriate questions?
- Should the wording be modified – *questions, drop down list contents, units etc*
- Are there questions missing? *Avoid increasing the number of questions*

# Delphi Pilot - Edinburgh

- Present/discuss questions in plenary
- Each participant to propose 3-5 stakeholder contacts:

Post-it: *your name,*

*stakeholder name and organisation*