

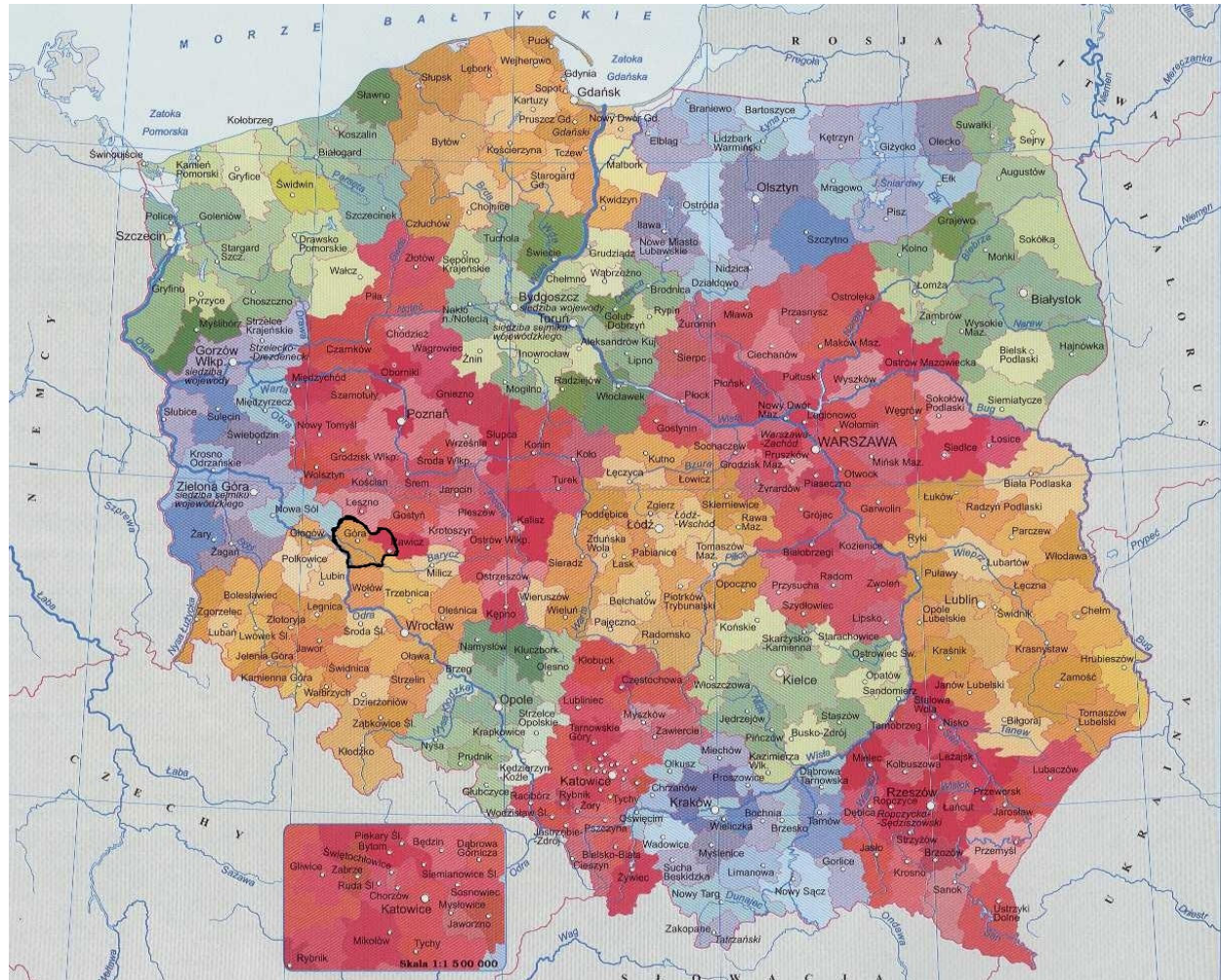


Characterisation of European CO₂ storage

Results of the public engagement activities in Poland

Marta Kaiser, Independent Institute for Environmental Issues

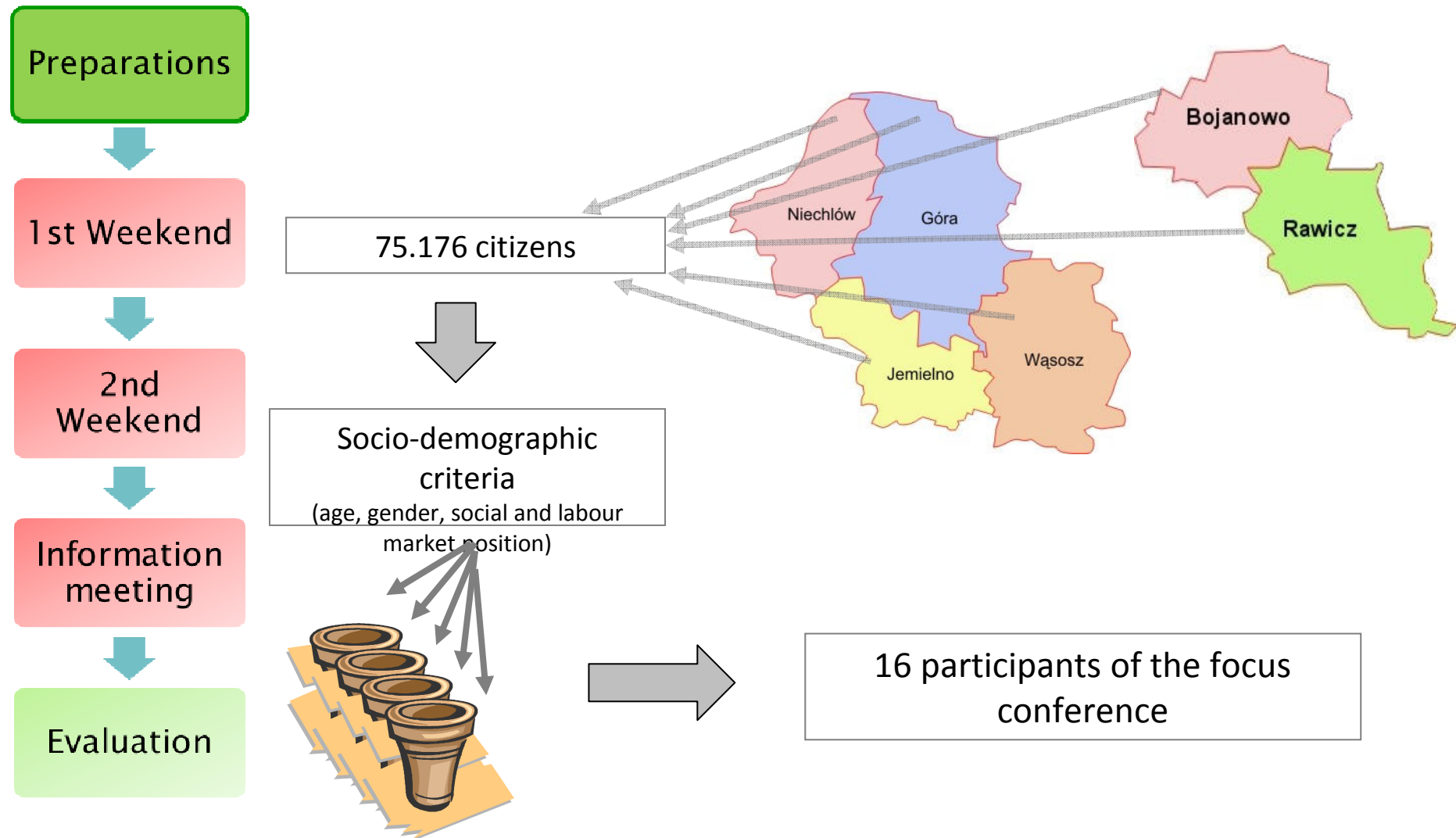
Załęcze & Żuchlów site



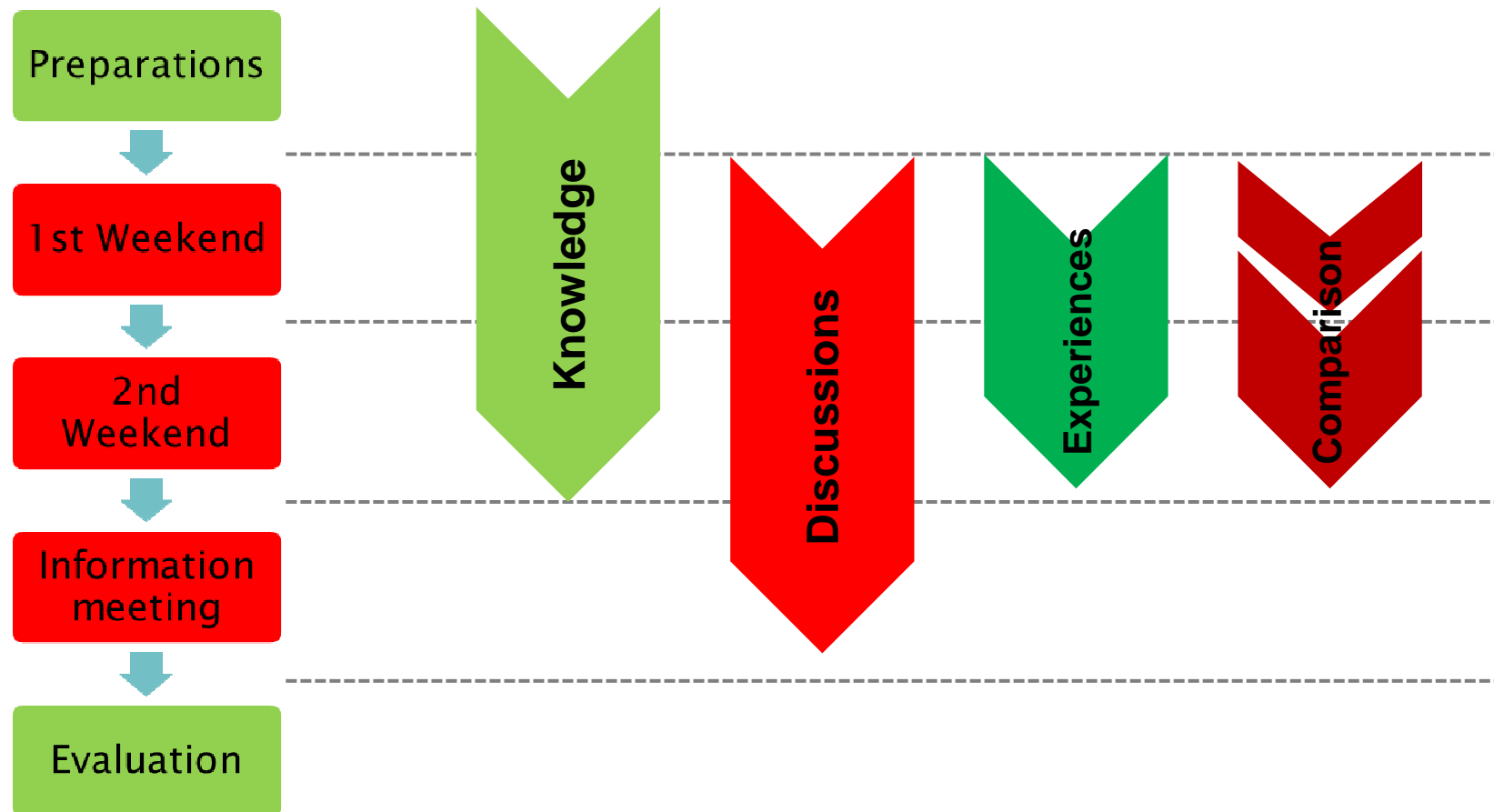
Załącze & Żuchłów site



Selection of the participants

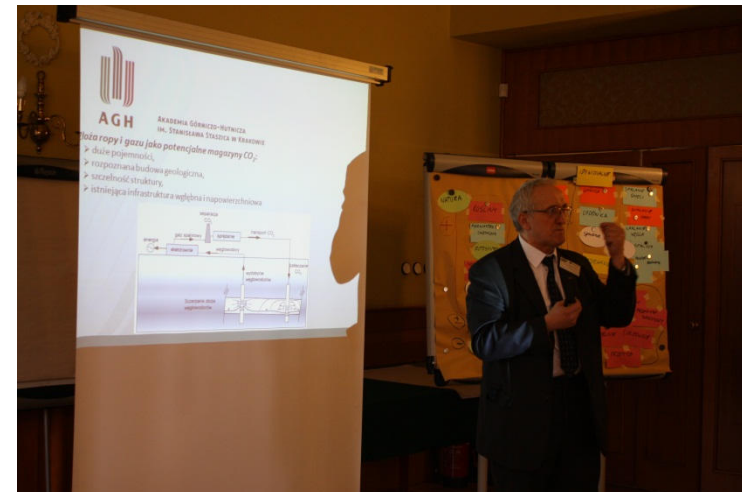


Opinion forming process



Knowledge

- Letter with general information about SiteChar project and CCS technology (information from the website)
- Expert's presentations
- Film - "Introduction of CO₂ capture and storage" from NearCO2 project



Discussions



- Brainstorming sessions
- Plenary discussions
- Small group discussions
- World Café
- Feedback rounds



Experience

- Experiments with CO₂
- Excursion to the gas mine Załęcze

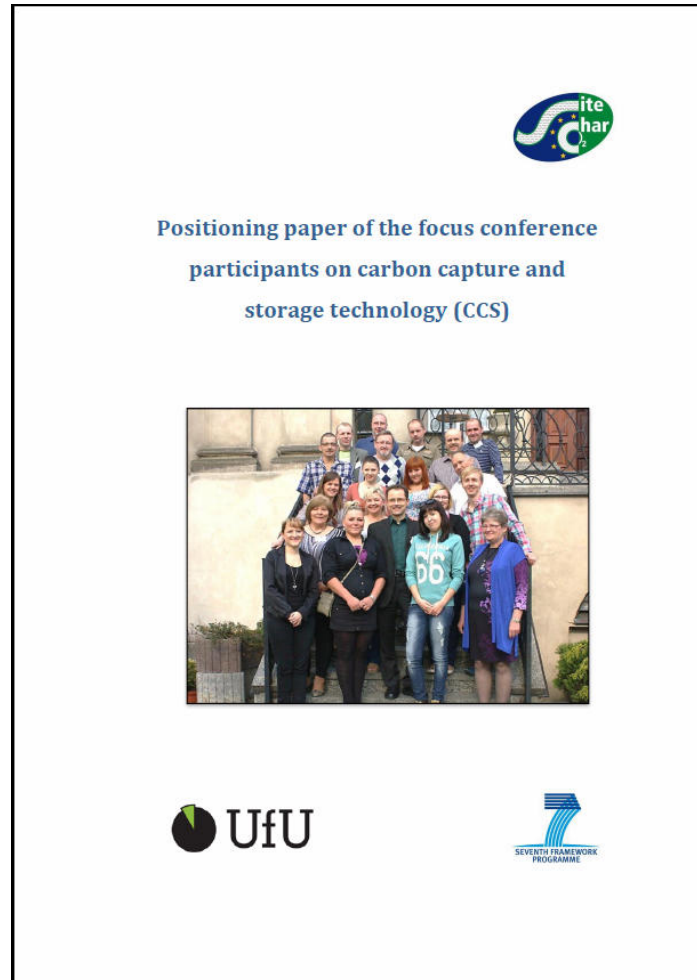


Comparision



- Different stakeholder positions on CCS (experts with different background, positioning paper analyse)
- Role-playing game
- Positioning toward CCS

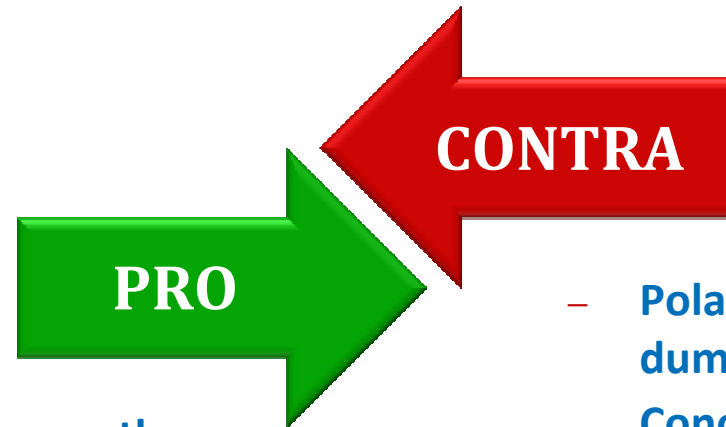
Positioning paper



- **Written by the participants**
- **UfU was responsible only for the corrections and layout**
- **presented during an information meeting on 25th June 2012 in Góra**



Results: pro and contra CCS

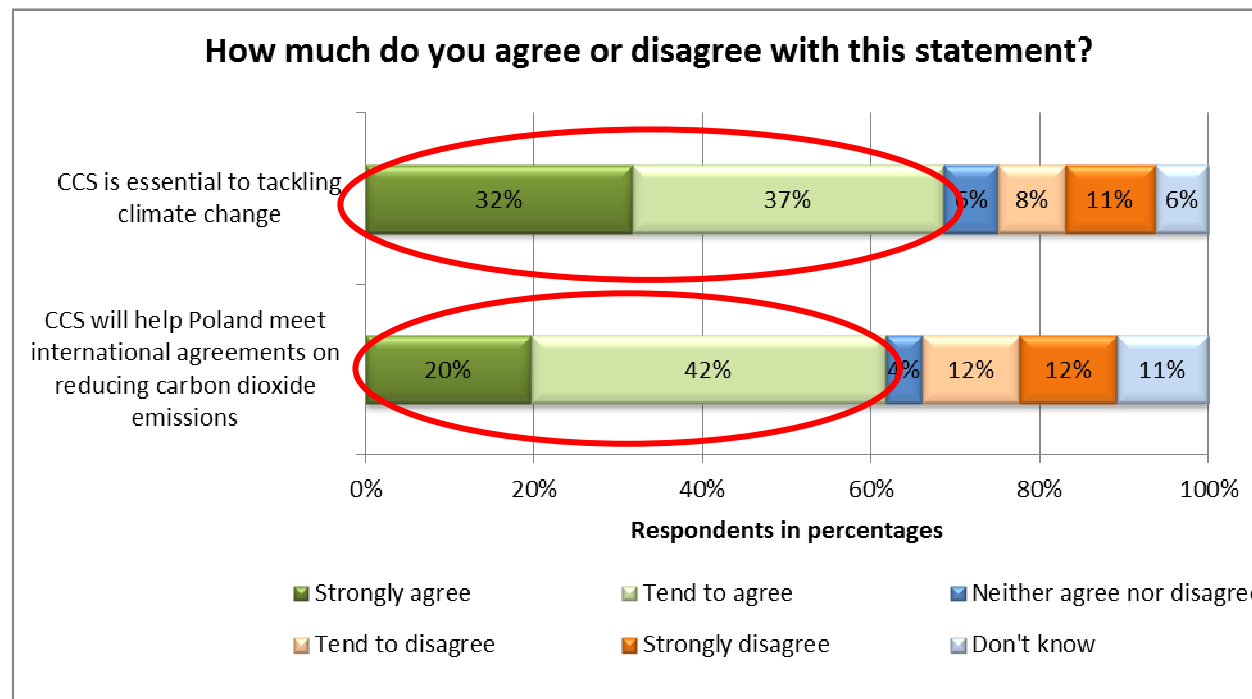


- + Poland's influence on the European policy on climate protection will increase
- + Poland will contribute to climate protection
- + Life service extension of the gas mines Załęcze and Żuchłów
- + Safe jobs
- + Provide new jobs

- Poland as European „garbage dump“ for CO₂ emissions
- Concerns to the safety – unforeseeable phenomena like earth tremors, CO₂ leakage
- CCS is very costly
- No clear position of the government on CCS (no legal framework, financial contribution etc.)
- Real estates will lose their value

Pro CCS

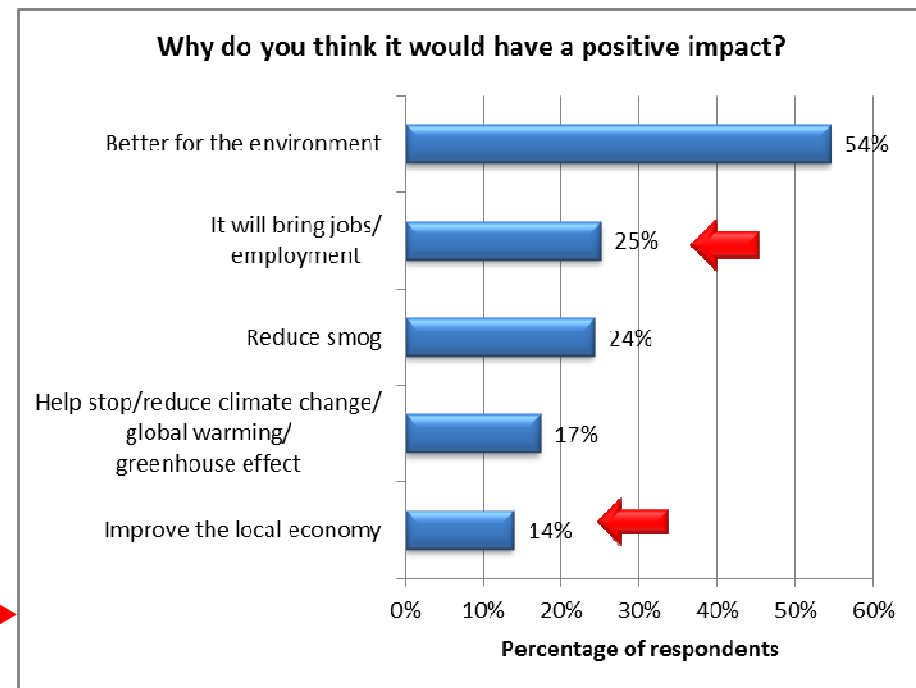
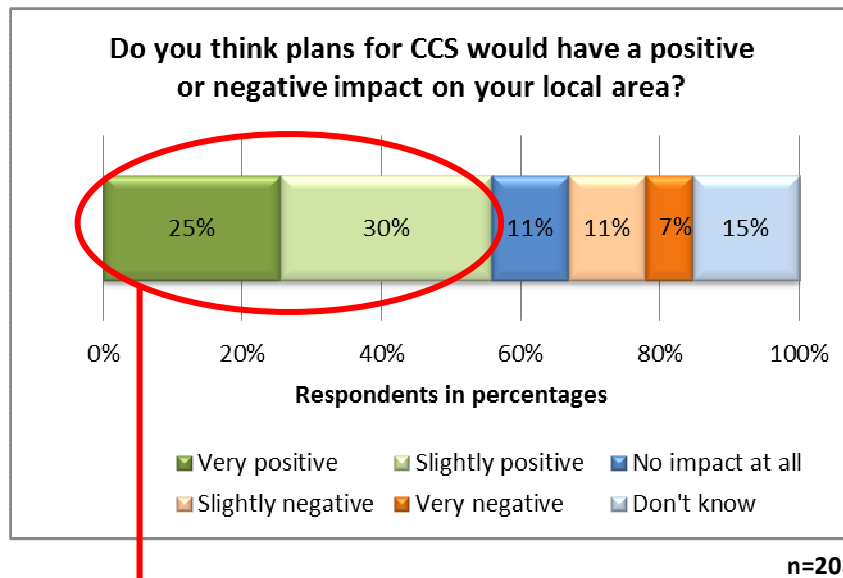
+ Through the use of CCS Poland will contribute to climate protection



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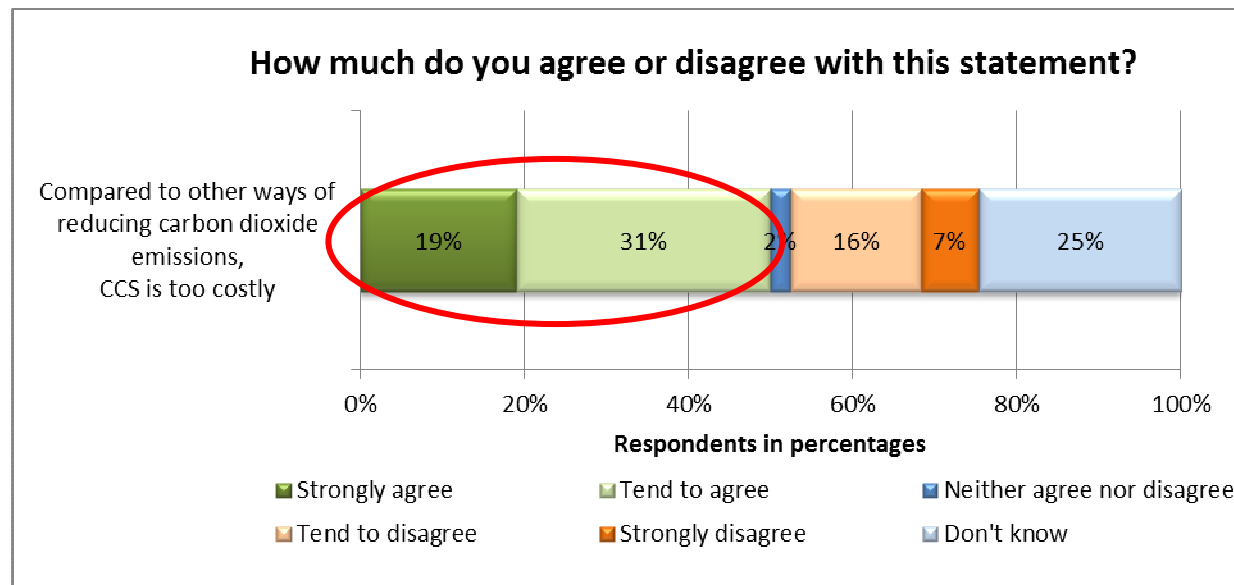
Pro CCS

+ CCS will provide new jobs



Contra CCS

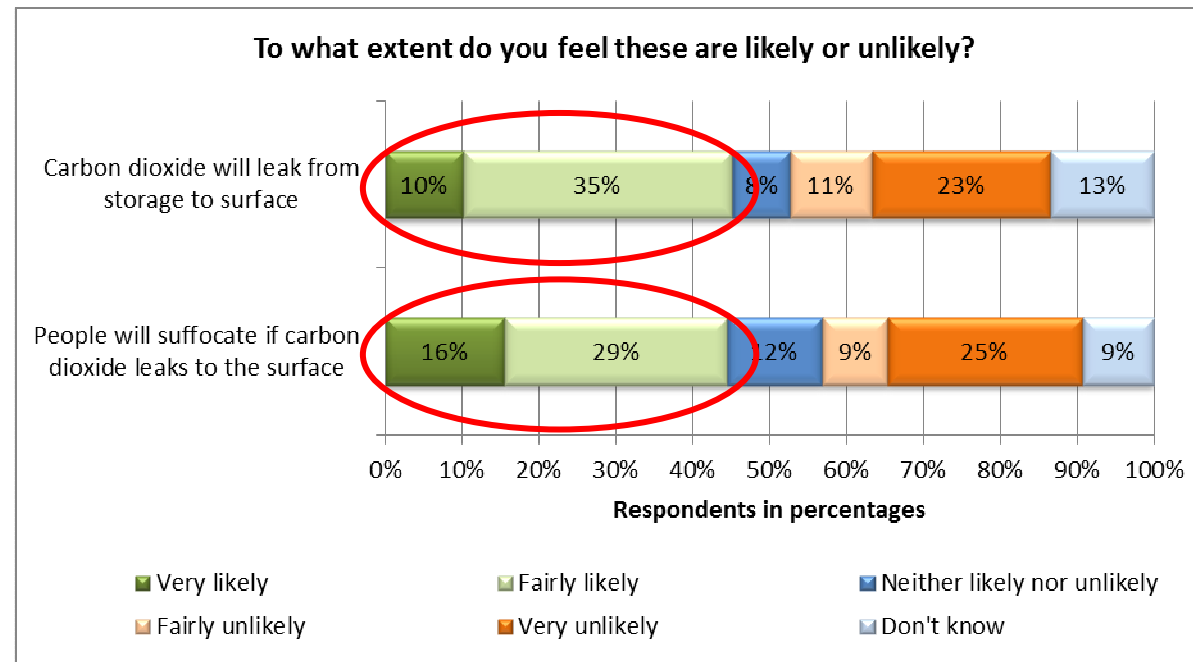
- CCS is very costly



n=1006

Contra CCS

- Concerns to the safety - unforeseeable phenomena like CO₂ leakage, earth tremors



n=1006

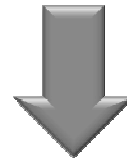
Results: open questions



What is the position of the government on CCS?

Who will pay for the introduction of the CCS technology?

Who will take responsibility for the implementation of CCS?



11 persons: to many uncertainties to opt for CCS!

5 persons: reject application of CCS in the region!

Participant's recommendations

- Implementation of the **legal standards**
- **Safety** of the CO₂ storage should be guaranteed
- **Financial contribution** of the state and entities interested in use of CCS
- **CO₂ only from the region** (government guarantee)
- CO₂ should be **transported by pipelines**
- Public **information campaign** about:
 - Possible consequences of the CCS introduction
 - Benefits for the region (how many jobs etc.)
 - Alternative solutions to reduce CO₂ emissions
- **Referendum**



RECOMMENDED



Thank you for your attention!



Marta Kaiser

Independent Institute for Environmental Issues (UfU)
Greifswalder Str. 4
10405 Berlin

Tel. +49 [0]30-4 28 49 93-36
Fax: +49 [0]30-4 28 00 48-5
eMail: marta.kaiser@ufu.de
www.ufu.de

Resonance: survey results

MK1



- **1006 respondents**
- **The survey contained questions about the following topics:**
 - Satisfaction with local area,
 - Issues facing the area,
 - Carbon capture and storage in local dimension,
 - Carbon capture and storage in general,
 - Personal information.

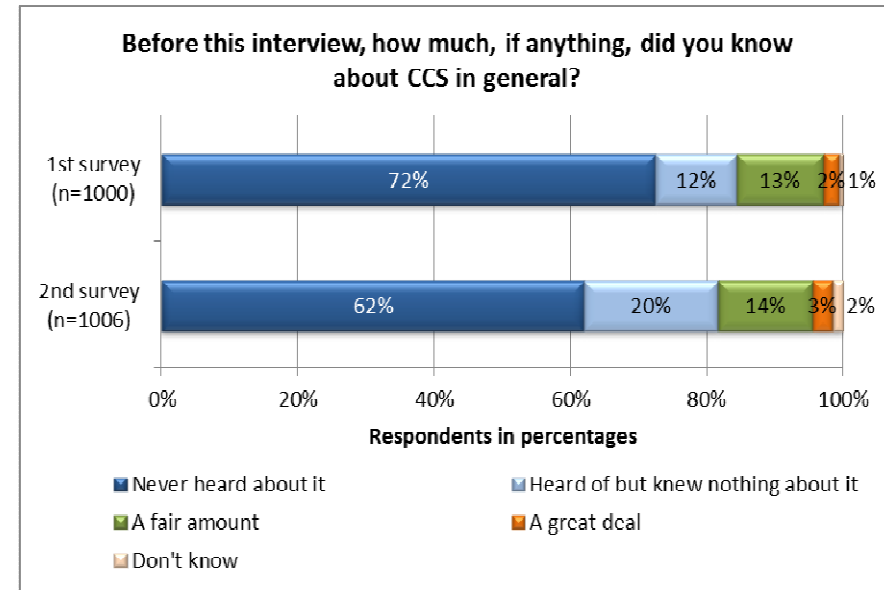
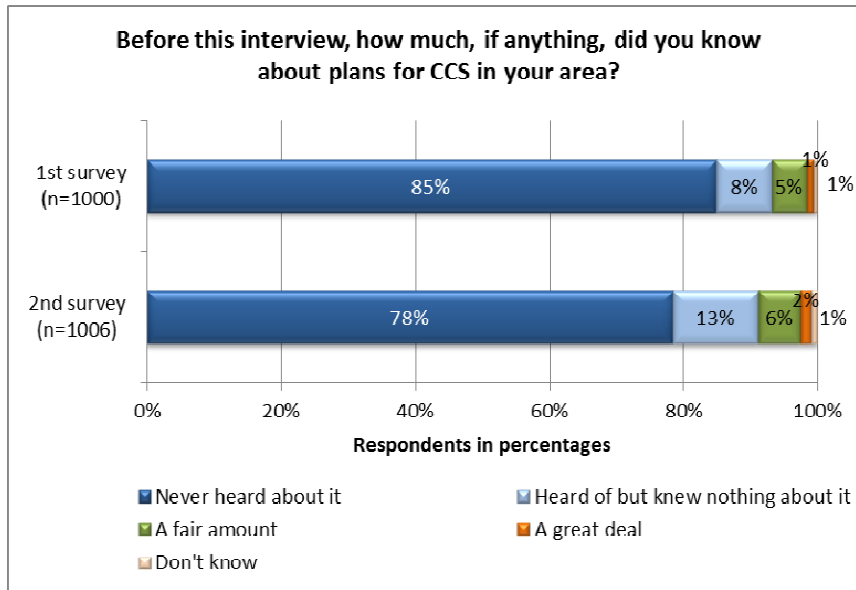
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MK1

Suzanne we have to look if we will present this results!

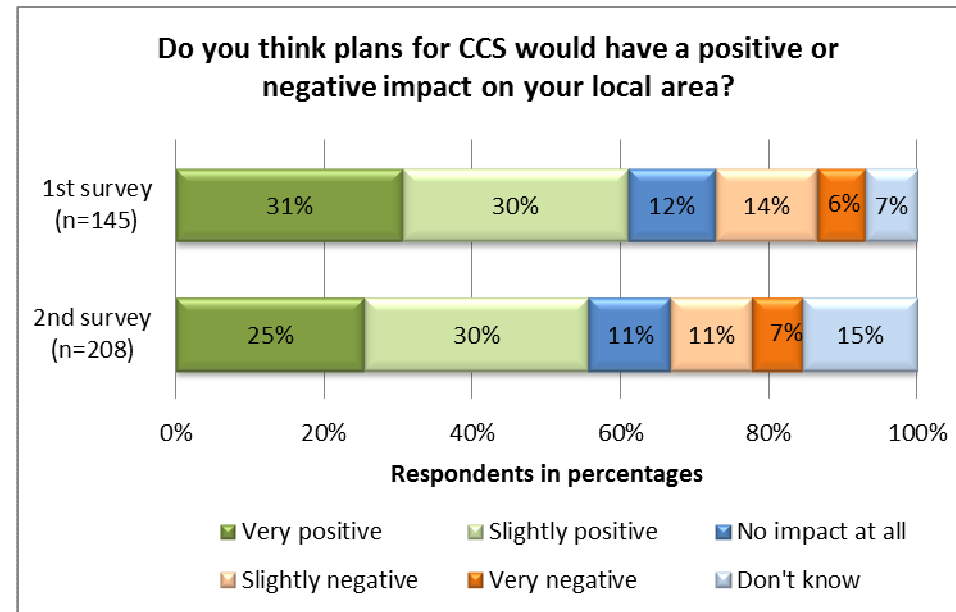
Marta Kaiser; 22/11/2012

Awareness of CCS



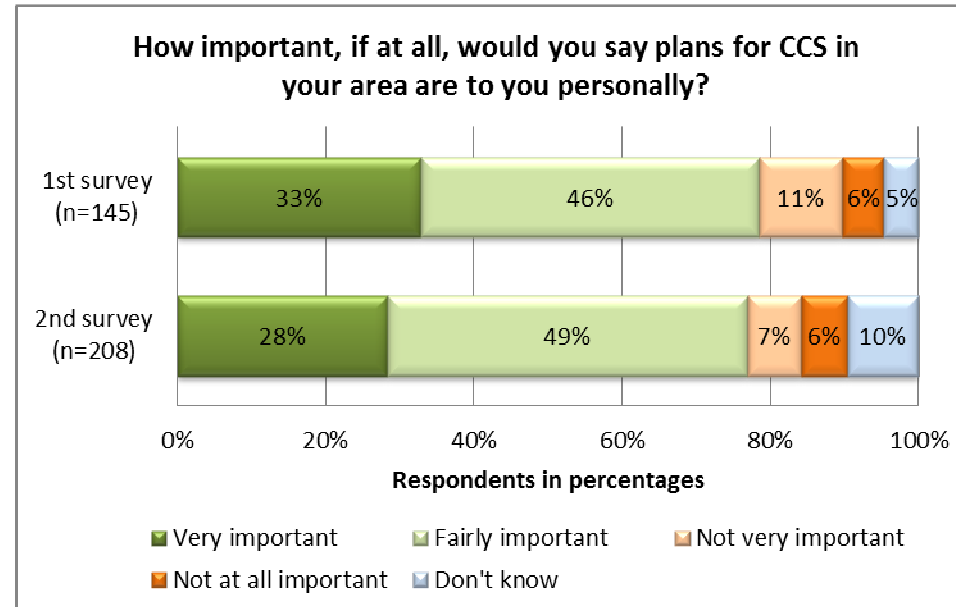
- Awareness of CCS is low
- Slightly more awareness than in the first survey
- Local CCS: + 7%
- CCS in general: + 10%

Impact of CCS



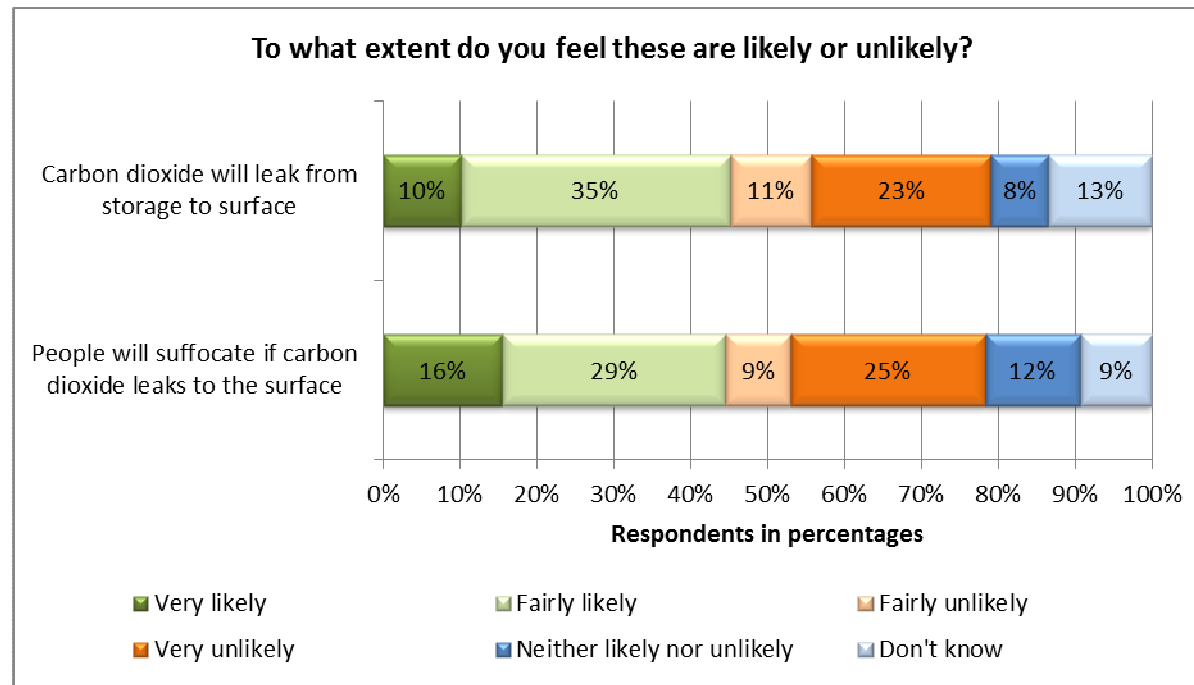
- Majority of the respondents (55%) expect that CCS will have a positive impact in their local area
- 18% expect negative impact

Personal relevance of CCS

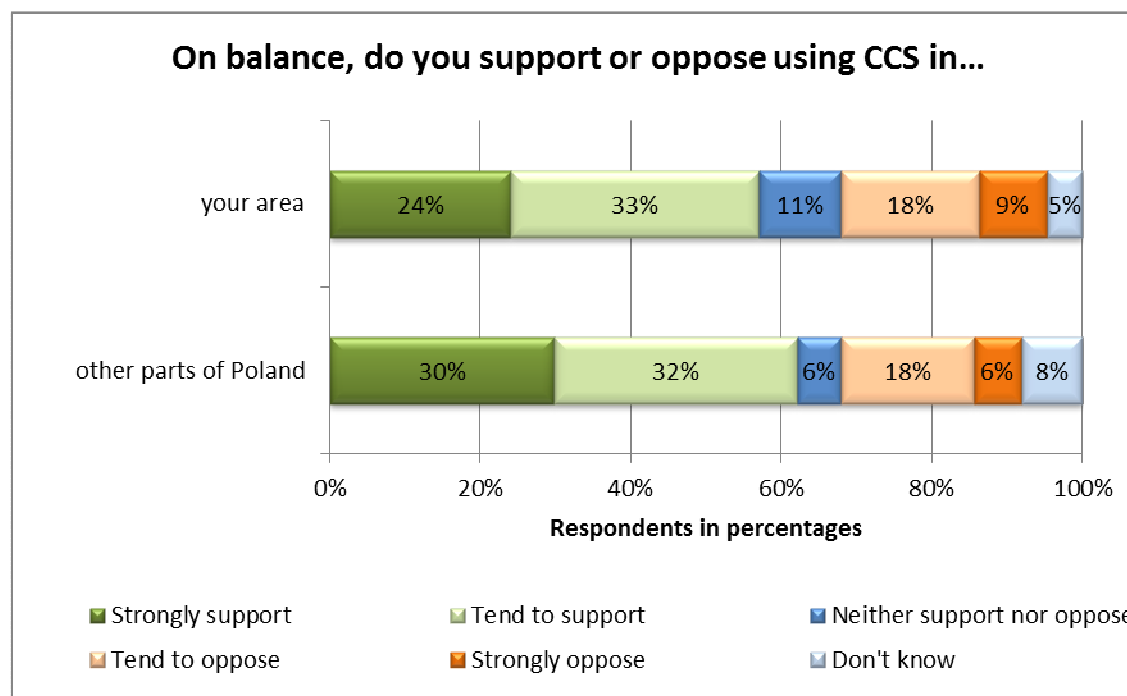


- **CCS have high personal relevance**
- **For 77% of the respondents answered that CCS is important to them personally (Scotland: 44%)**

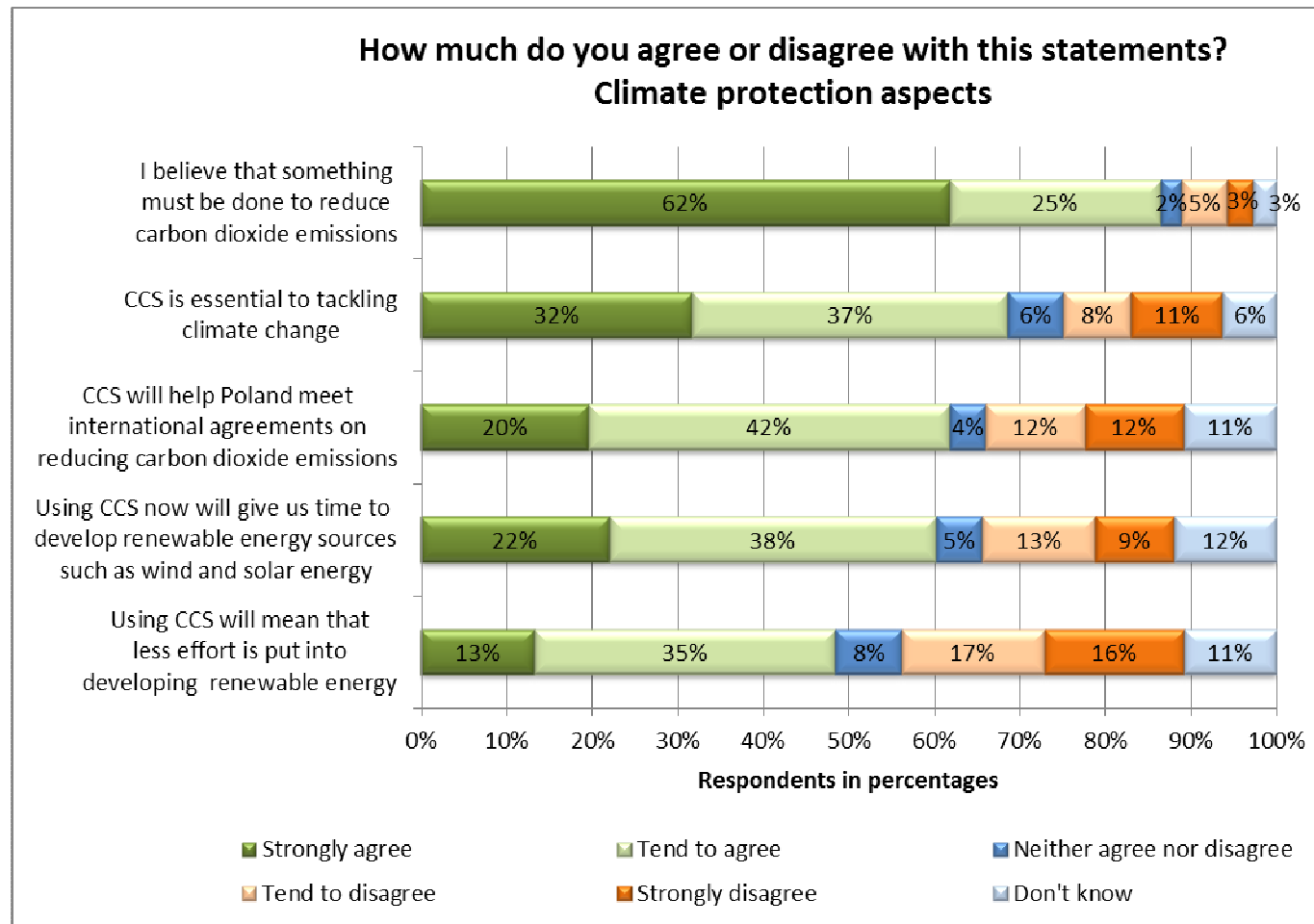
Statements

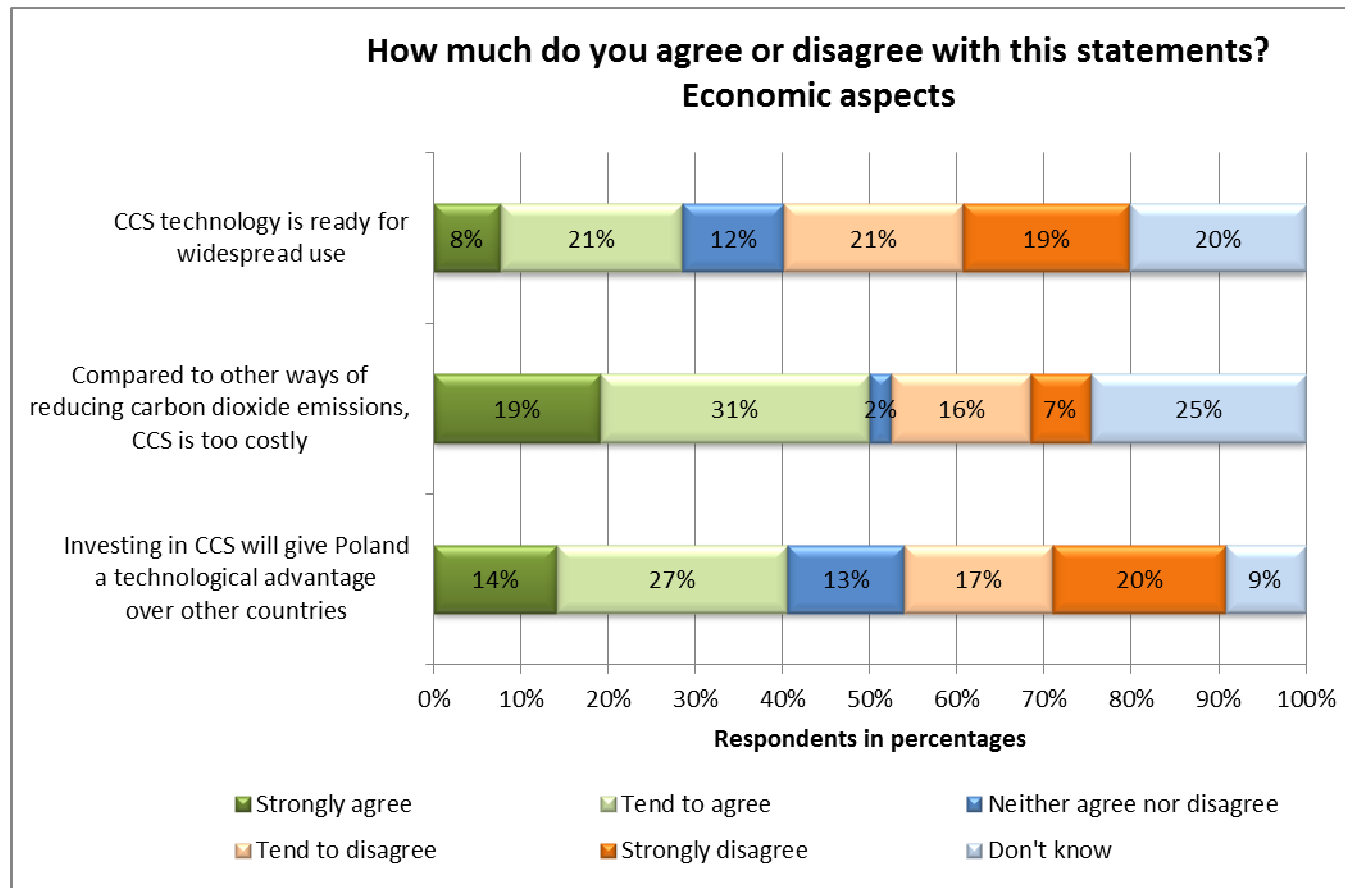


Support



- **The majority of the respondents support using CCS both in their area (57%) and other parts of Poland (62%)**





How much do you agree or disagree with this statements? Legal aspects

