

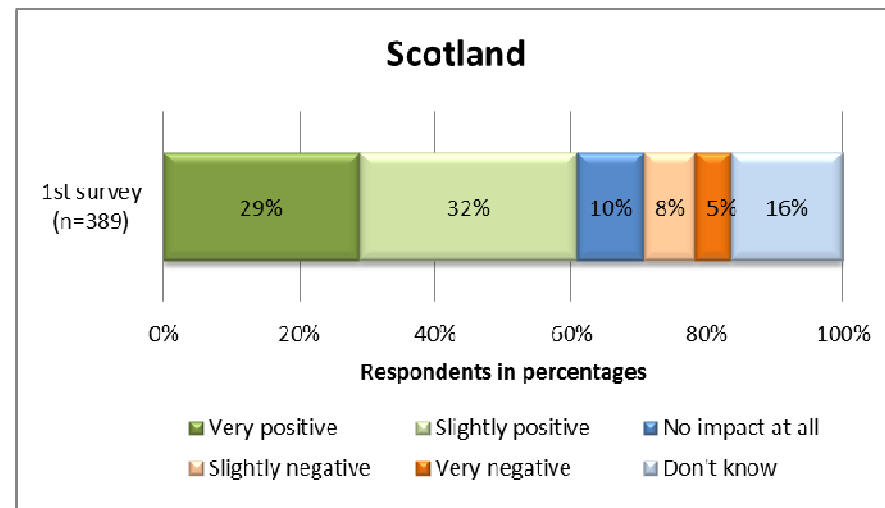
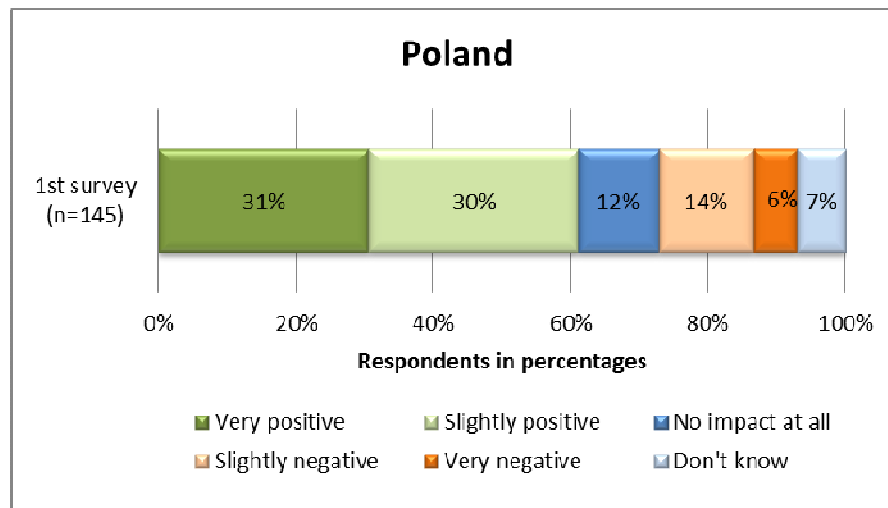


# Characterisation of European CO<sub>2</sub> storage

The added value of social research

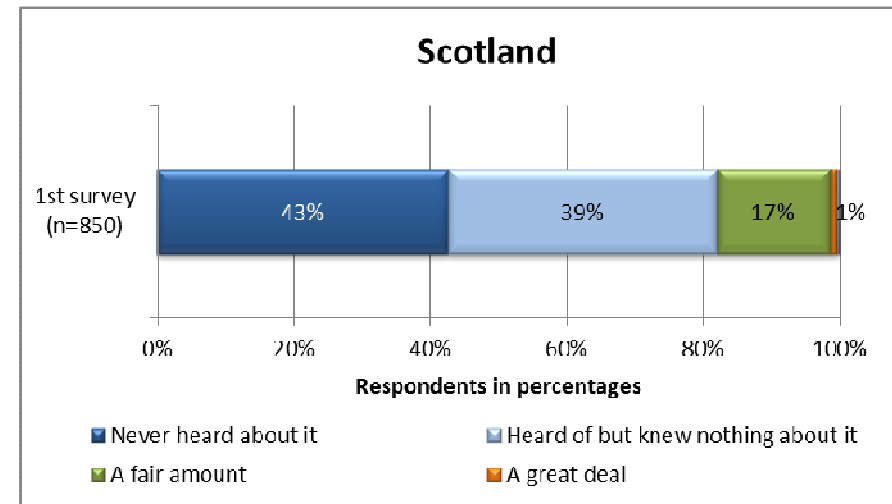
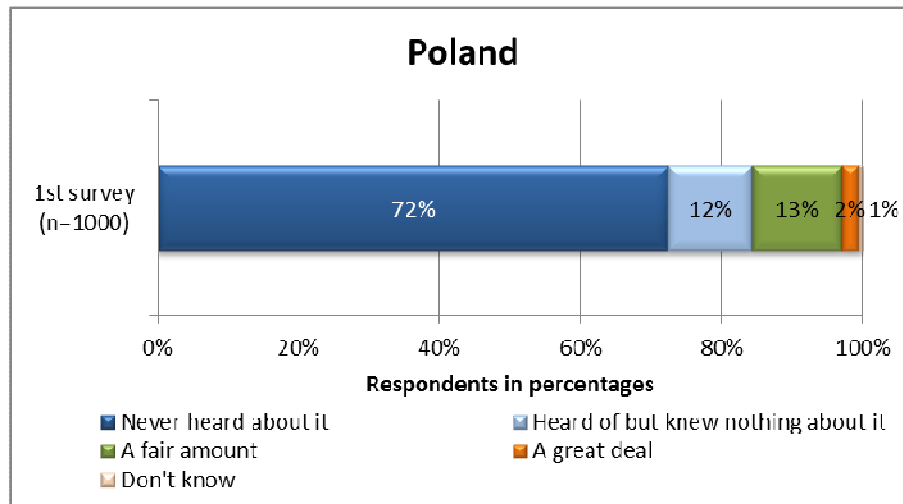
Dr. René Zimmer, Independent Institute for Environmental Issues

# Expectations of local impact of CCS



- expectations of local impact of CCS are mostly positive

# Public awareness of CCS



- **basis: very low public awareness of CCS**

# What happens ...

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... when things become the subject of public debate?



# ... people talk to each other

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## ... ask experts

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# Public opinion is forming

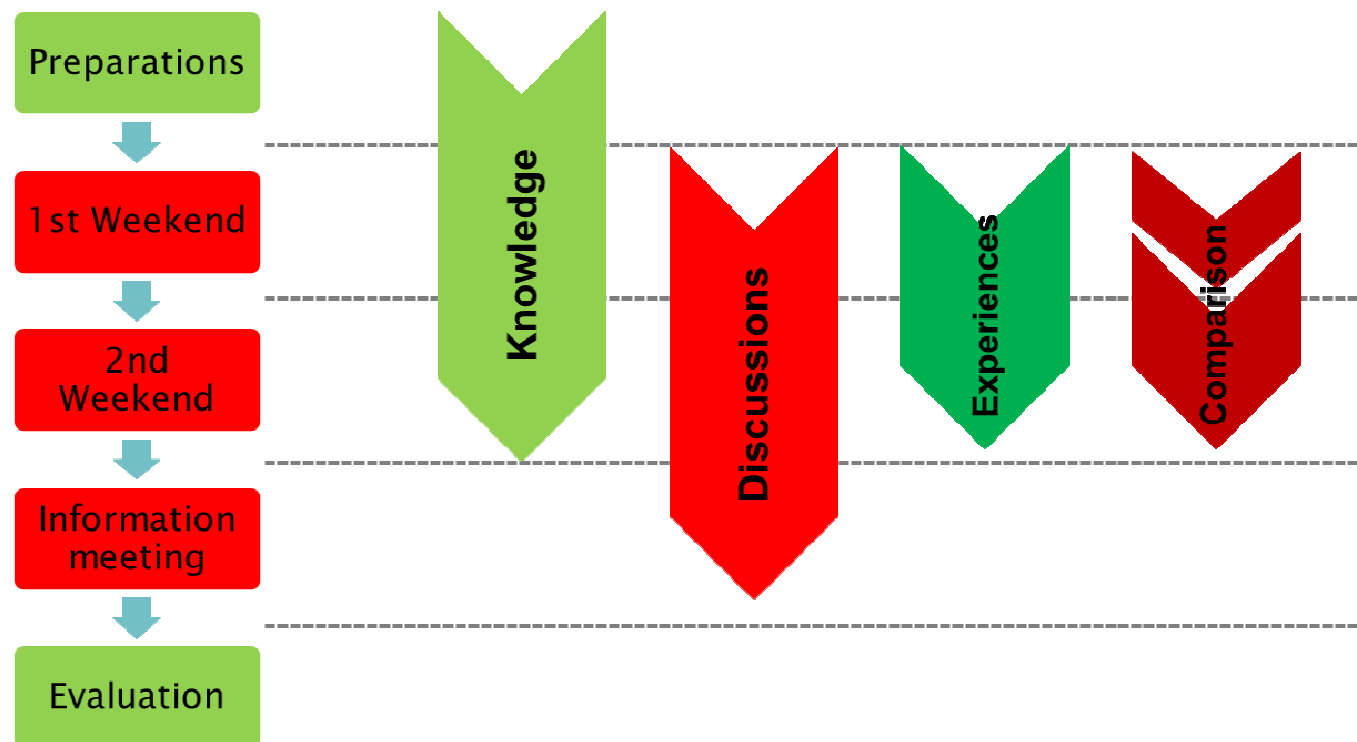
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- little by little structures are manifesting

# Why focus conferences?

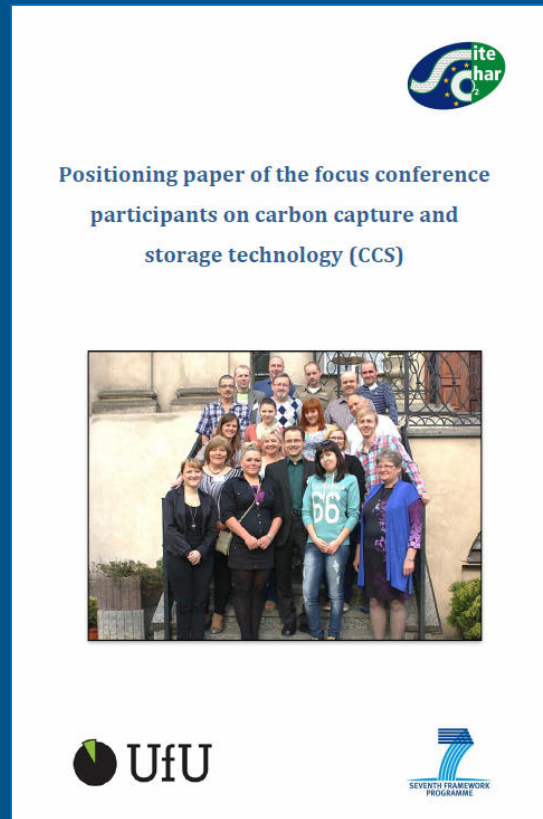
- **Simulating a public debate**





# Exploring public opinion

## result: position paper



- there is no right or wrong in the paper
- Question: How will the public perceive CCS?
- Aim: Find ways for adequate community engagement activities

# Top-of-mind thoughts CCS (PL)

## Economic benefits

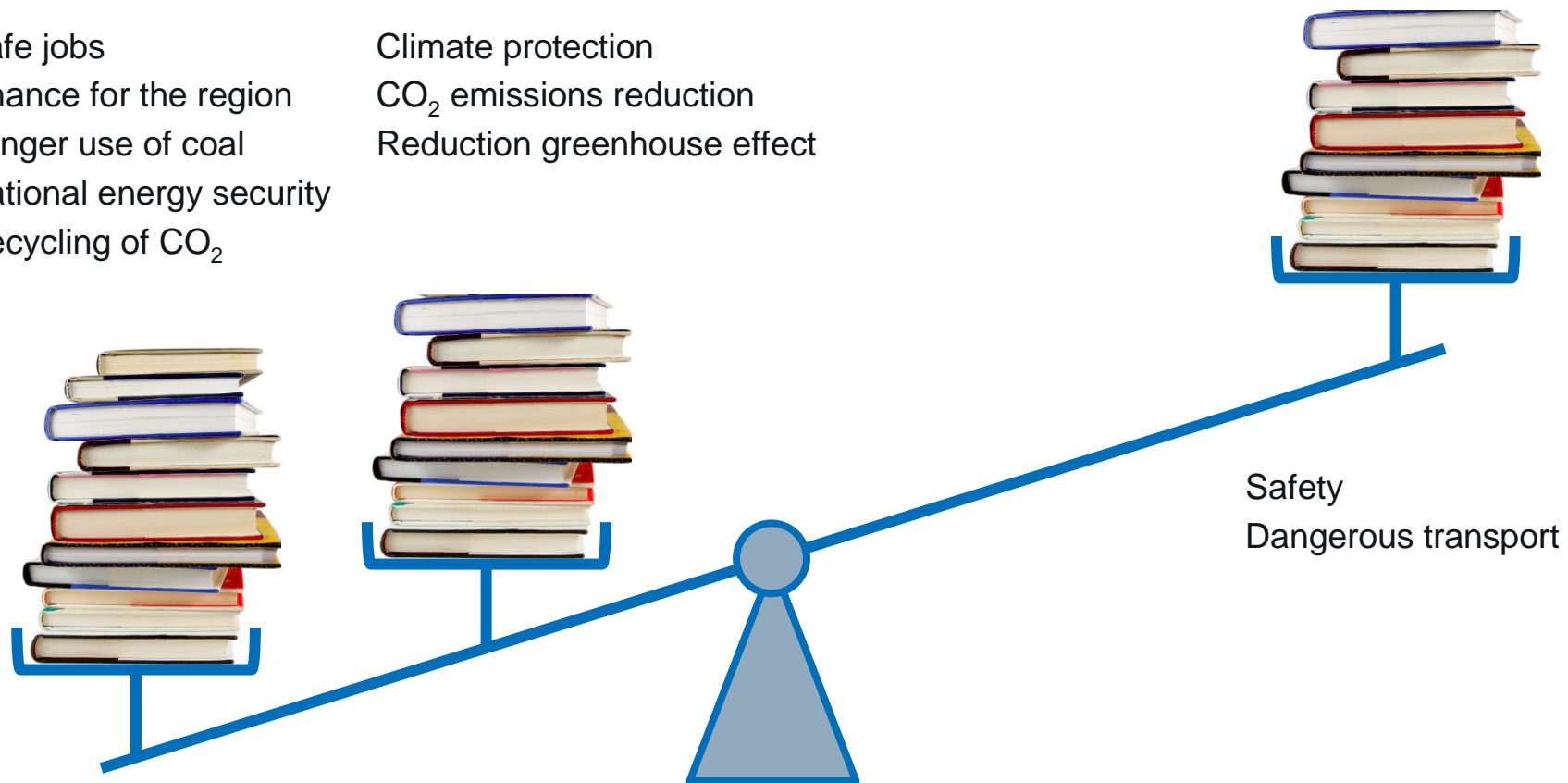
Safe jobs  
 Chance for the region  
 Longer use of coal  
 National energy security  
 Recycling of CO<sub>2</sub>

## Environmental benefits

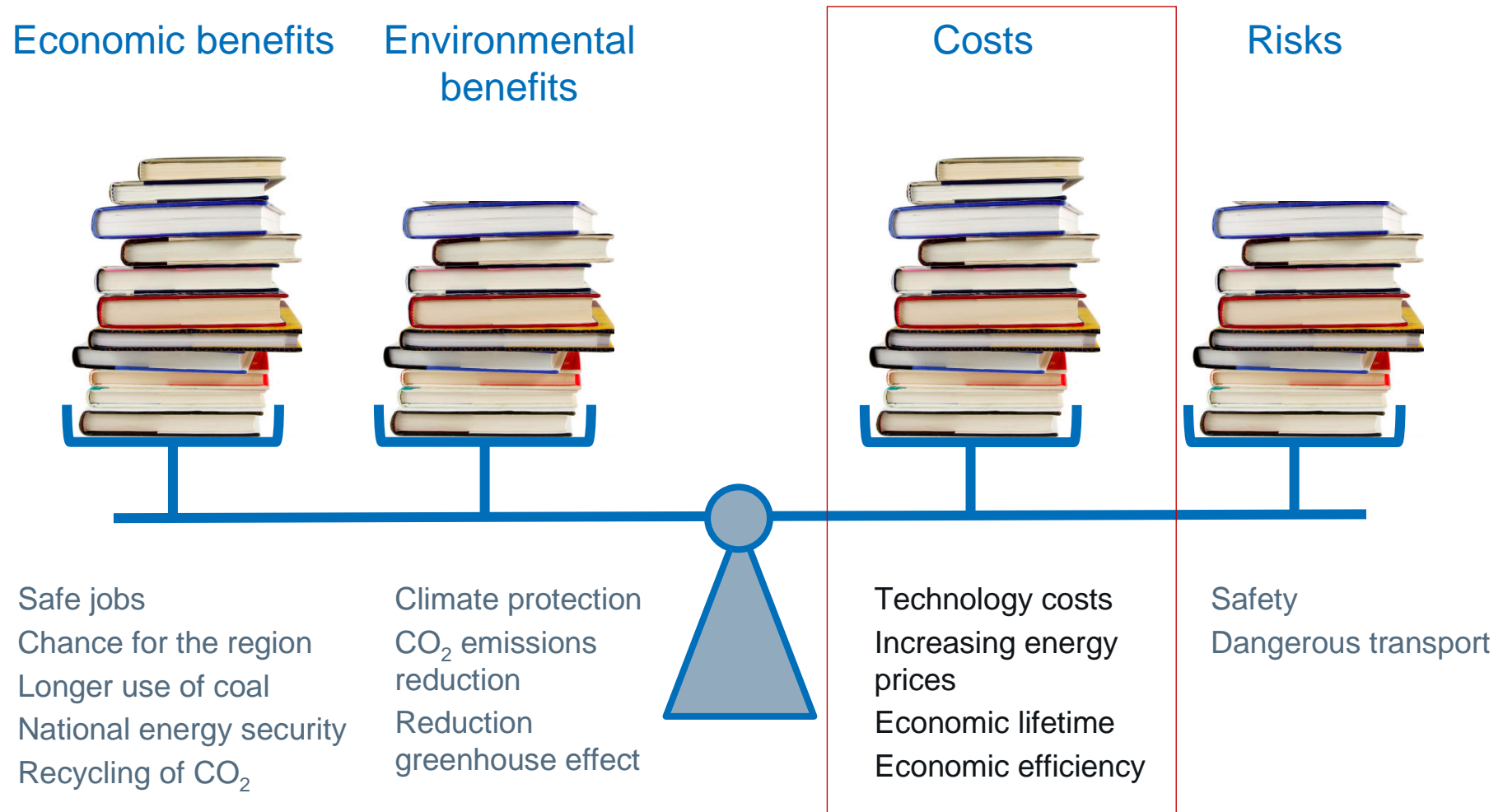
Climate protection  
 CO<sub>2</sub> emissions reduction  
 Reduction greenhouse effect

## Risks

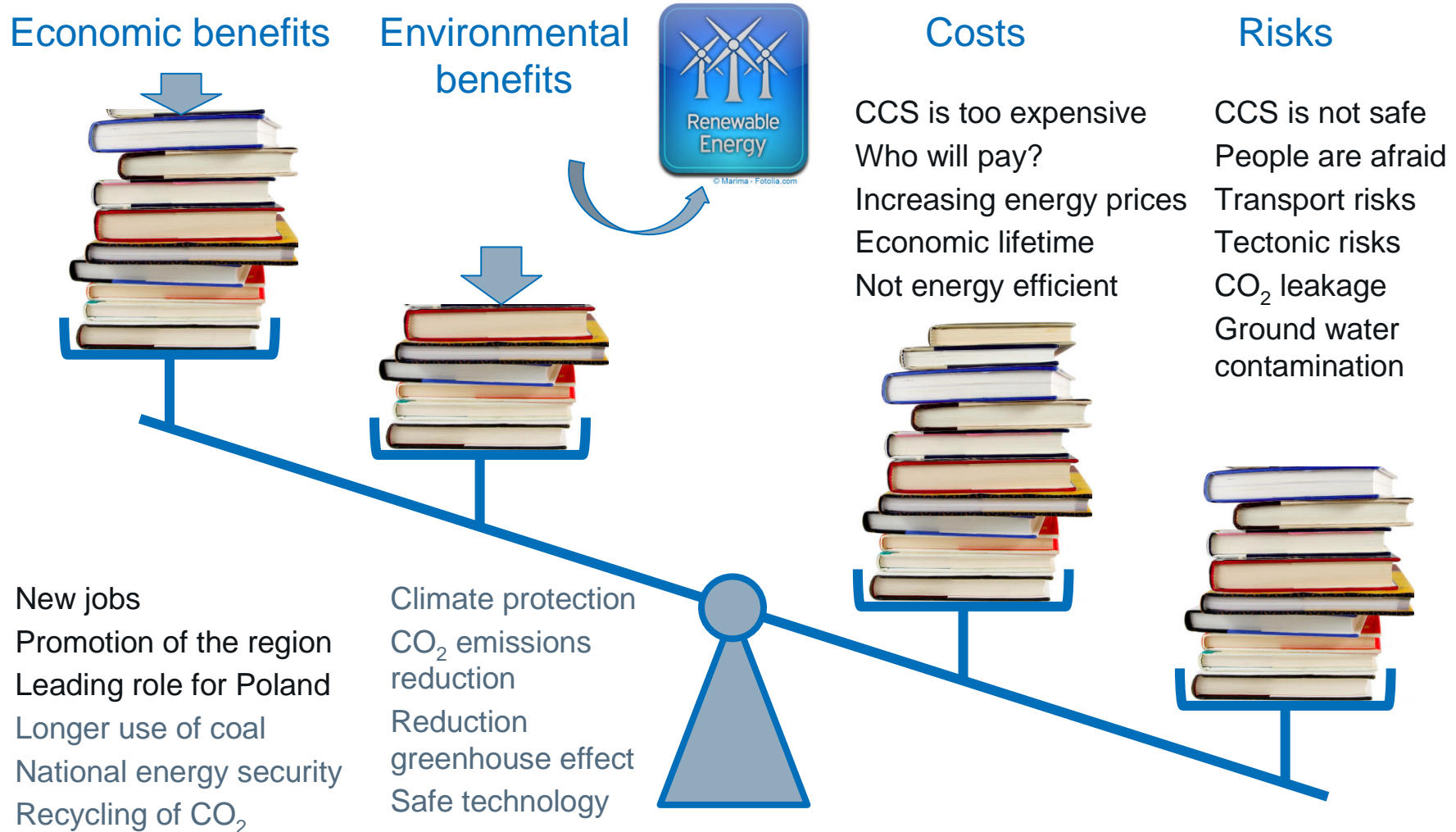
Safety  
 Dangerous transport



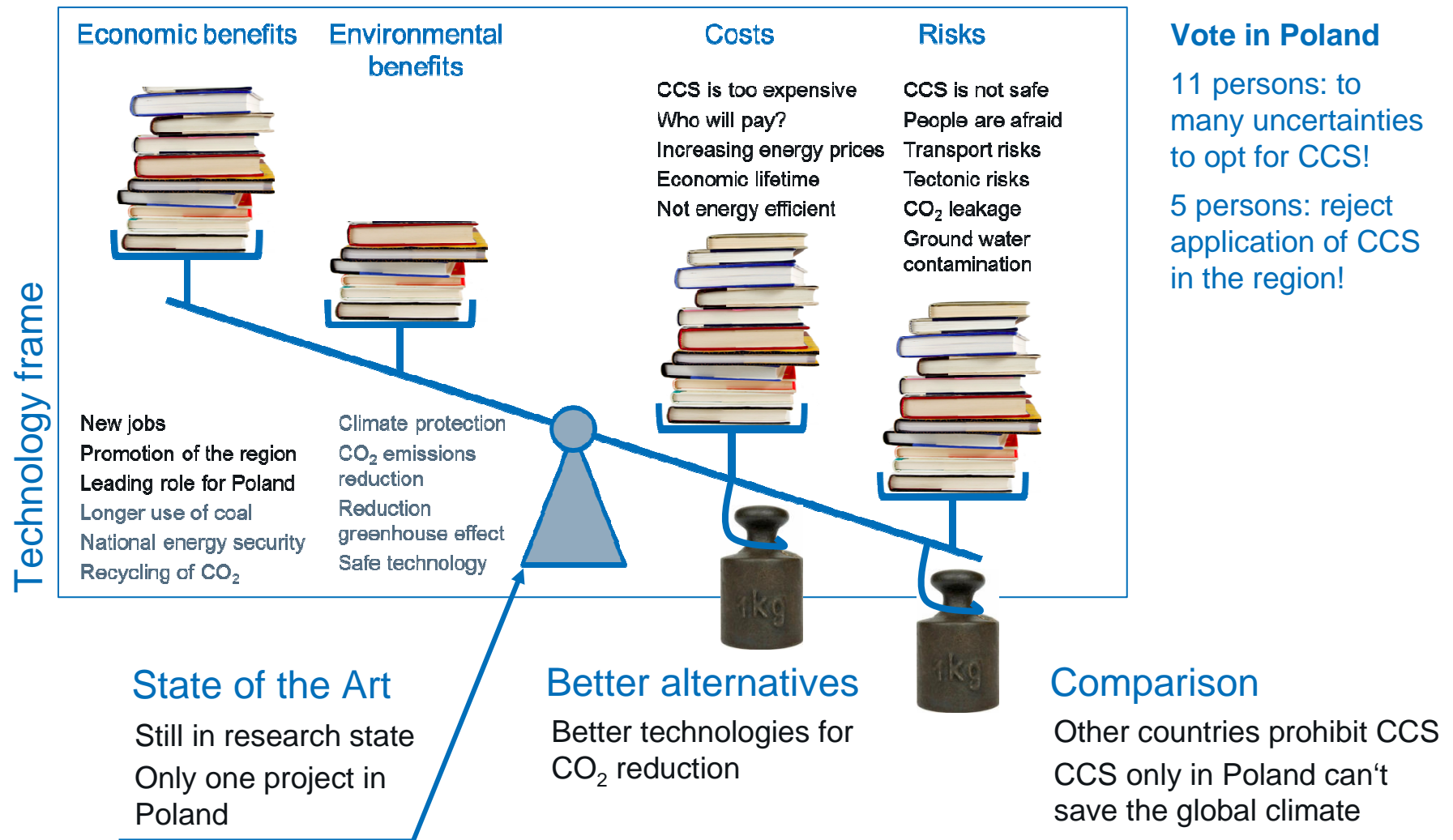
# State of debate after first discussions (PL)



# State of debate after World Café (PL)

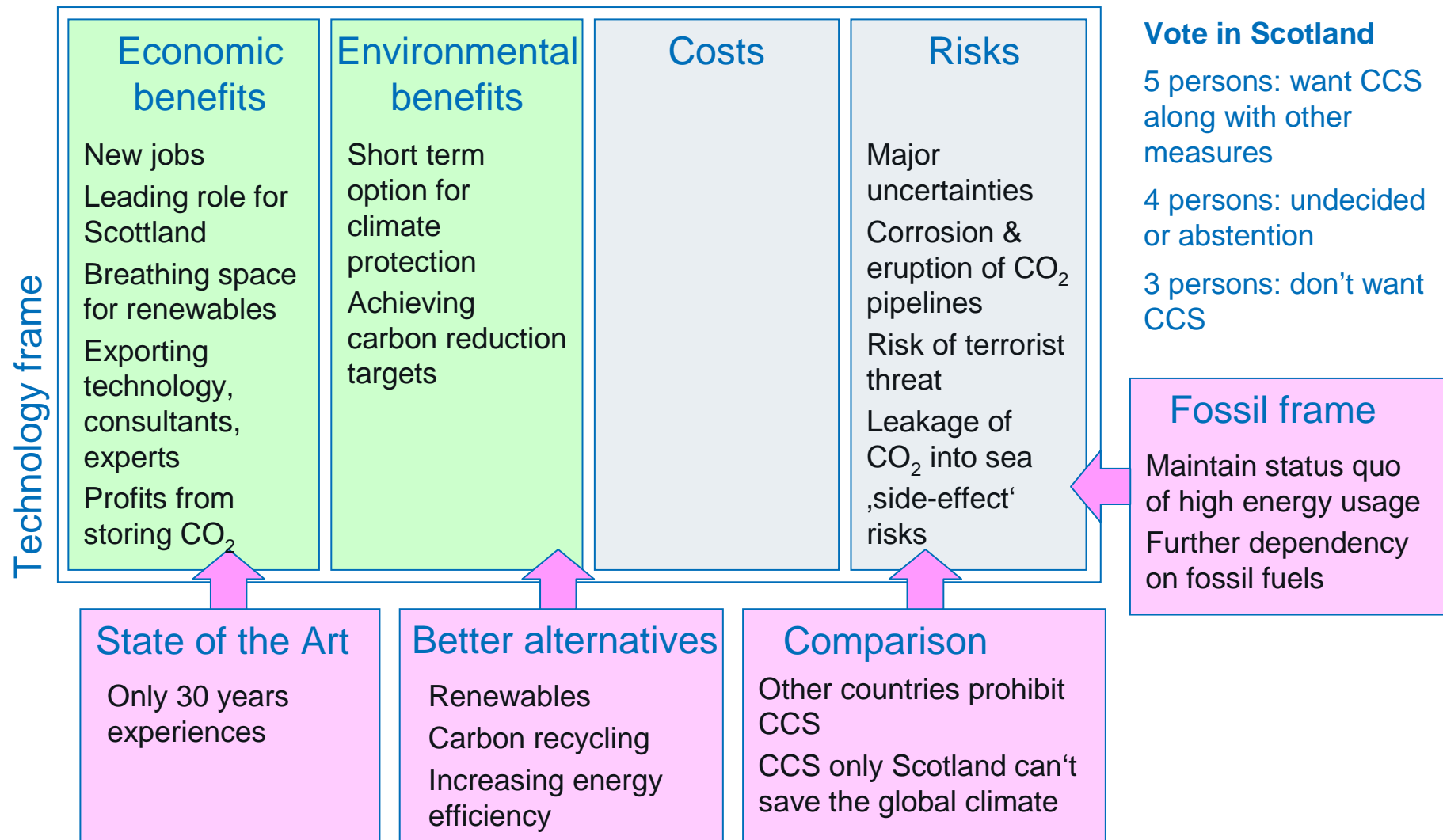


# Opinion in the Polish position paper

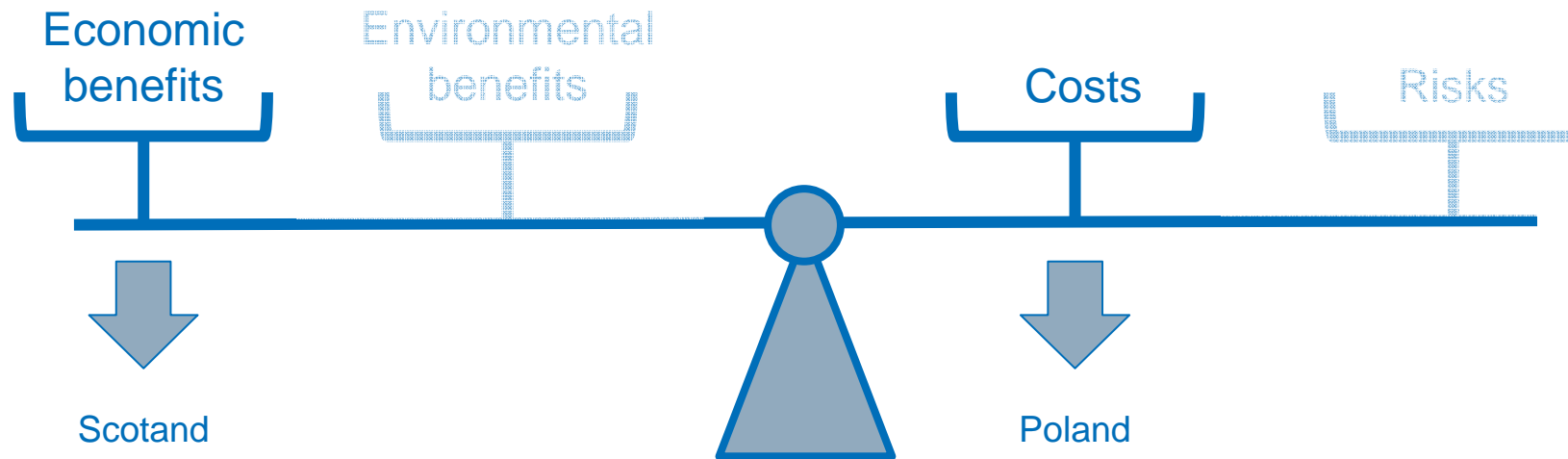




# Opinion in the Scottish position paper



# Cost-benefit considerations



- **For assessment of CCS economic benefits and costs play a crucial role**
  - **In Poland: people putting more emphasis on costs**
  - **In Scotland: people putting more emphasis on economic benefits**



# How to deal with these results?

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- **Economic benefits are important for people**
  - Show where the economic benefits are
    - for themselves
    - for the region
    - for the country
- **People want to know who will bear the cost**
  - Communicate transparent
- **People are afraid about risks**
  - Communicate what is the state-of-art and how you will handle possible risks





# How to deal with these results?

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- **People want to have a timeframe**
  - Give people an idea for which period CCS an option is and what will you do in the meantime
- **People don't want to see their region as dumping ground for CO<sub>2</sub>**
  - Communicate why CCS can be an option for Poland or Scotland despite the fact that Germany or The Netherlands rejected the technology



# Many thanks for your attention!

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Dr. René Zimmer

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

Tel. +49 [0]30-4 28 49 93-34  
Fax: +49 [0]30-4 28 00 48-5  
eMail: [rene.zimmer@ufu.de](mailto:rene.zimmer@ufu.de)  
URL: [www.ufu.de](http://www.ufu.de)



# Topics for discussion

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- **Integration of the social research results with the techno-economic results from the SiteChar project**
- **Integration of social aspects in the licensing process for CCS projects**
- **Public engagement in the process of project development**

# Cost-benefit considerations

