

Paris Session  
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# Replicability of ICoS in different regions

Power System Environmental Performance

SC C3

PS1 Setting ambitious climate targets in the  
energy sector

Question 1.18

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## Question part I: Development of the project

- Estimation of all indicators but one (human rights) for each scenario
- Impact analysis
- Preliminary sustainability assessment
  
- Main findings
  - No scenario dominates all others
  - Scenario A “Reference scenario” shows the worst performance
  - Scenario B “Ambitious climate protection” seems to have the best performance, but ‘land use competition’ appears challenging
  - Clear contrasts between Scenario C “Europe” and D “Decentralized”

## Question part II: Replicability in different regions and locations

- Differing between method, identified rules and indicators as well as findings
- Method – Integrative Concept of Sustainability provides a flexible methodological frame for preparing and conducting a sustainability assessment independently of socio-economic and technological conditions of a selected region
- Indicators – the indicators are selected, considering the socio-economic and technological conditions in the selected region; but most of the indicators, like value added or greenhouse gas emissions, should be also relevant in other regions
- Results – depends crucially on the chosen scenarios as well as the socio-economic and technological conditions in the selected region