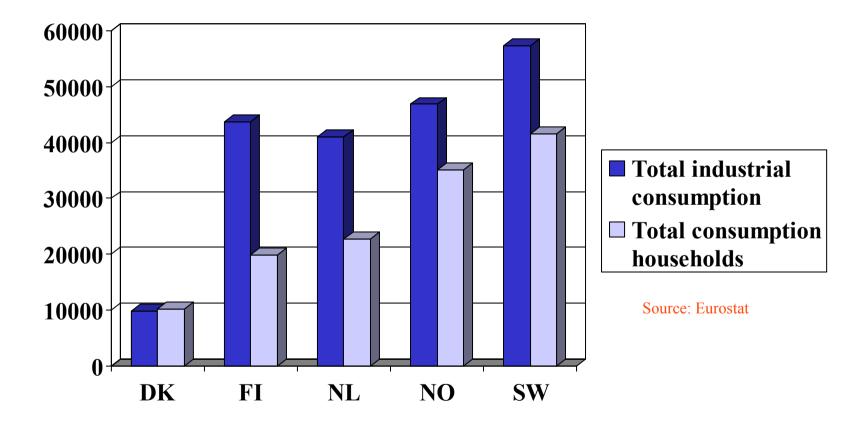


Norway Sweden Finland Denmark Netherlands



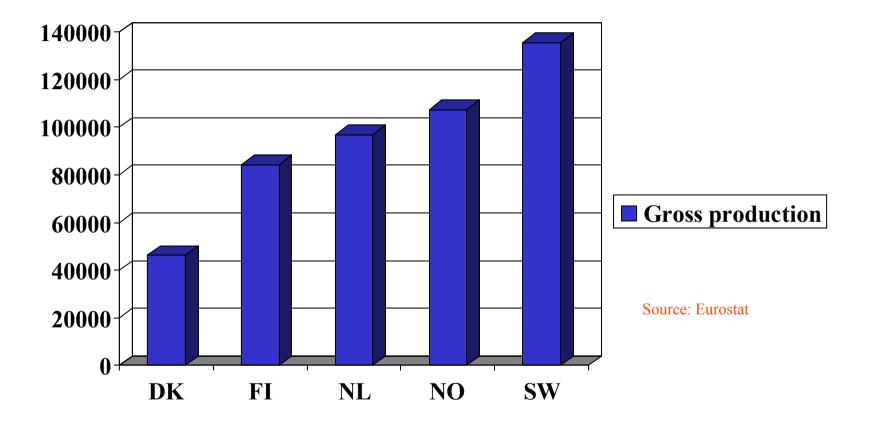
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Electricity consumption 2002 in Gwh



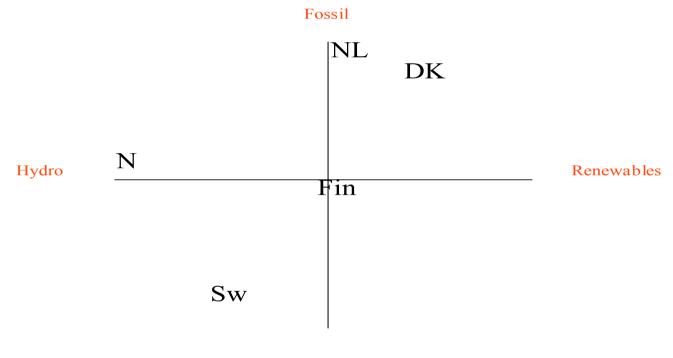


Gross electricity production in 2003 in Gwh





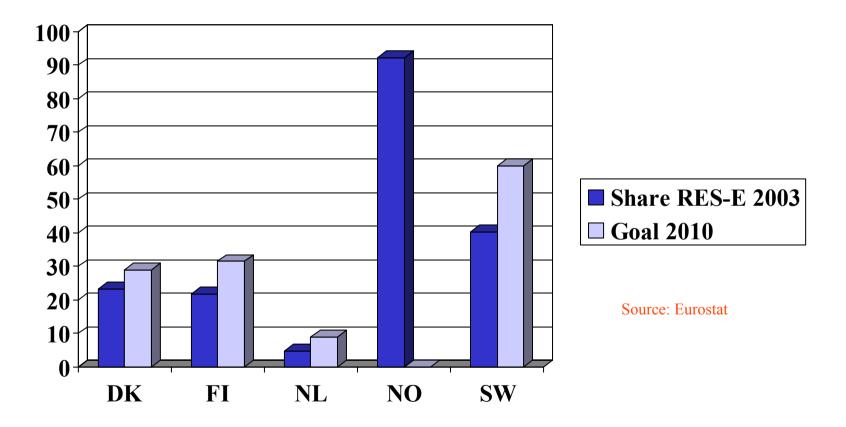
Fuel base electricity production





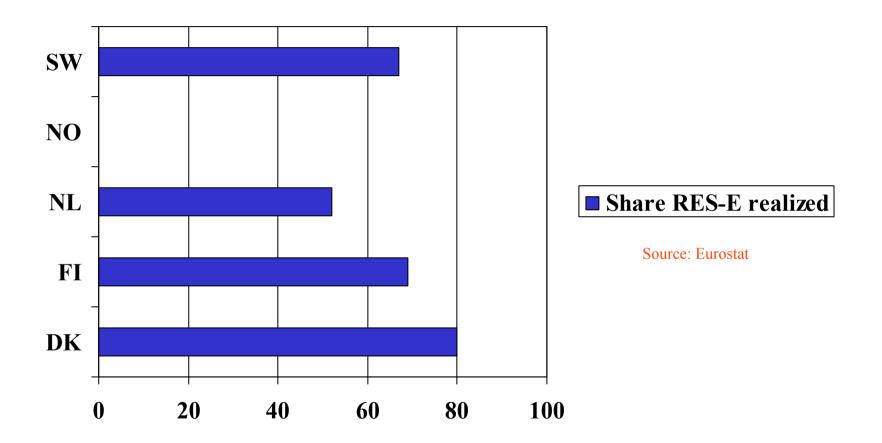


Share RES-E in gross electricity production and national indicative target 2010





RES-E 2010 ambition realized in 2003

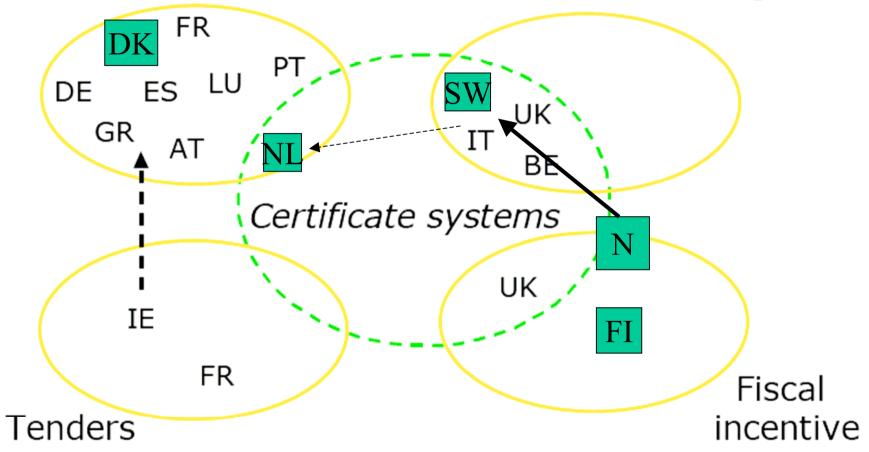




Type of support 2003

Feed-in tariffs

Quota obligation





ource Ecofys

Stakeholder perceptions in five countries

- Change of political coalitions (liberalist) and impact on support
 - Increased market orientation in support is okay, but regulatory intervention should be adequately organized
 - Sobering of support not that bad given overcapacity (Denmark)
- Need of further EU harmonization
 - Increase of scale of market
 - Regional markets: Nordic market, Nord-west European market
 - Equalizing competitive conditions



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Stakeholder perceptions continued

- Consistency and stability of support
 - Secure investment climate
 - Support independent of budget and political decision making
 - Independent national fund for RES-E (Netherlands)
- Perspective of support
 - Short term goal attainment versus longer term technological innovation
 - General versus technology specific
 - Special treatment offshore wind and PV



Stakeholder perceptions continued

- Widening of perspective renewables
 - Security of supply next to greening electricity supply
 - Connection with energy efficiency
 - RES part of future resource portfolio (RES, hydro, clean fossils, nuclear)

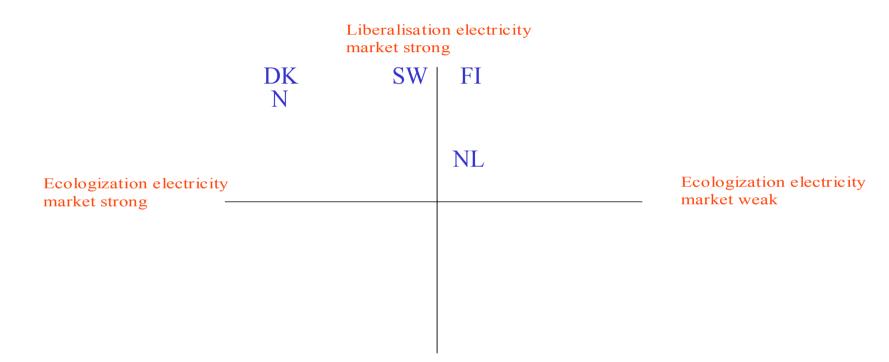


Realise Forum contribution

- Does context matter?
 - Does type of electricity market influence stakeholder perception?
- Are there advocacy coalitions on RES-E support in EU?
 - Groups of actors sharing preferences on
 - Future role of RES in electricity production
 - Type of support needed, desirable
- Policy lessons?
 - EU
 - National



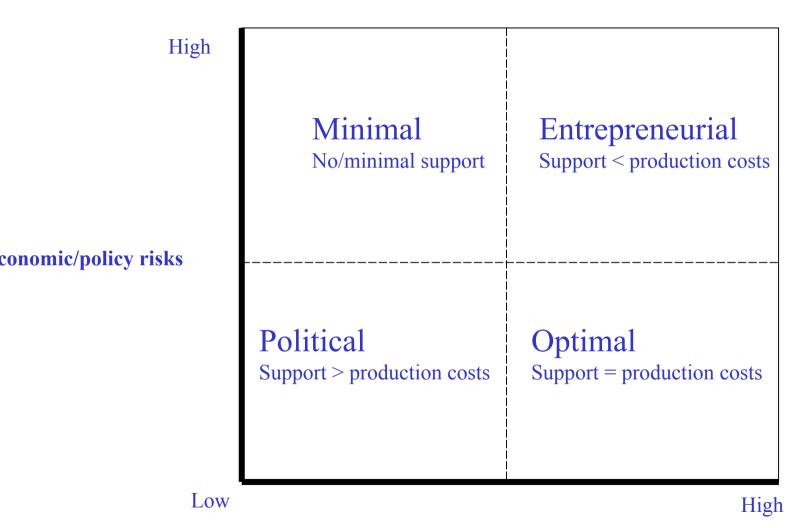
Example context: Electricity market



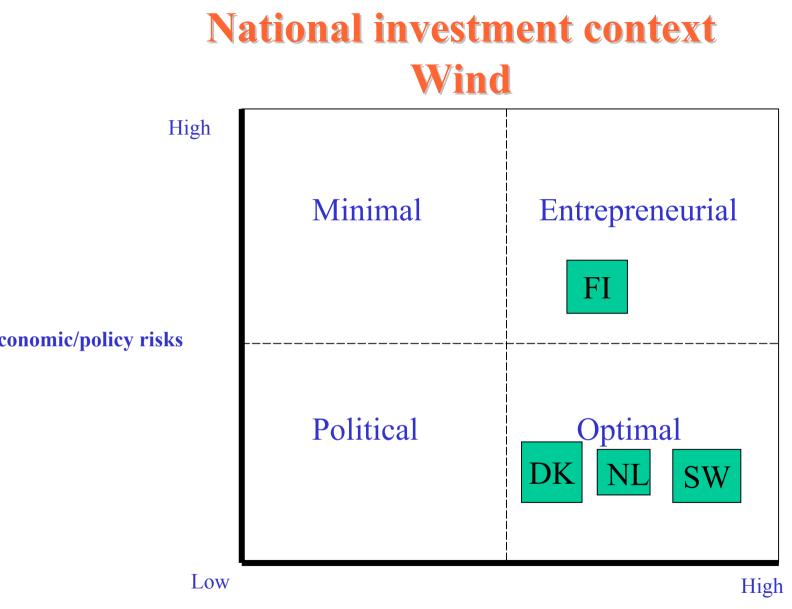
Liberalisation of the electricity market weak



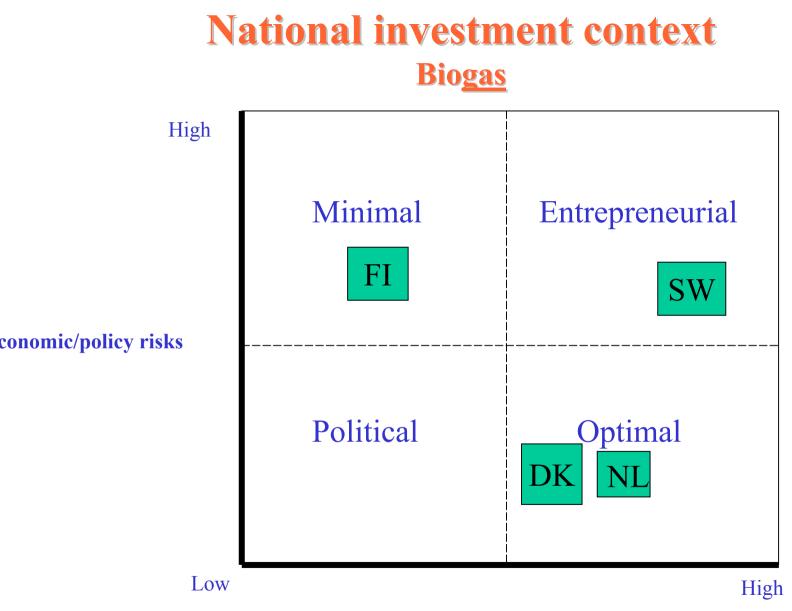
Example: National investment context



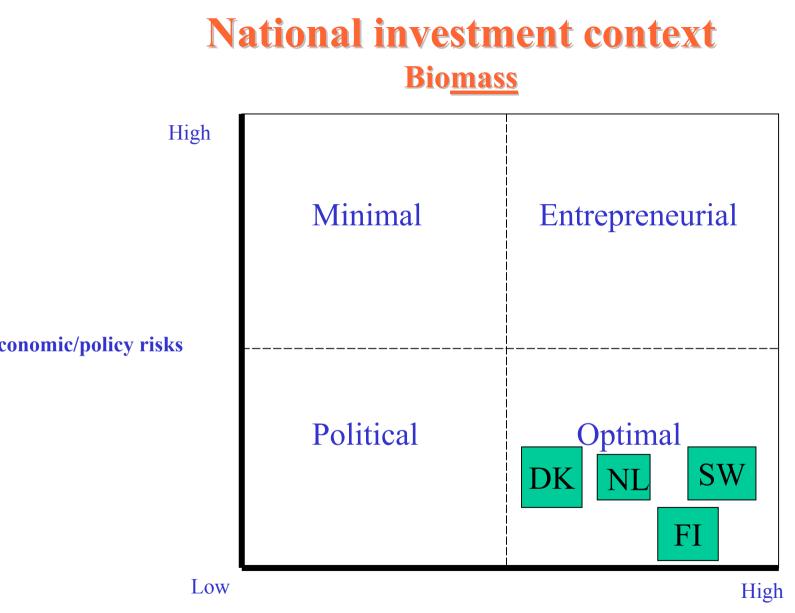
Project profitability



Project profitability



Project profitability



Project profitability

Advocacy coalitions?

Coalitions according to:

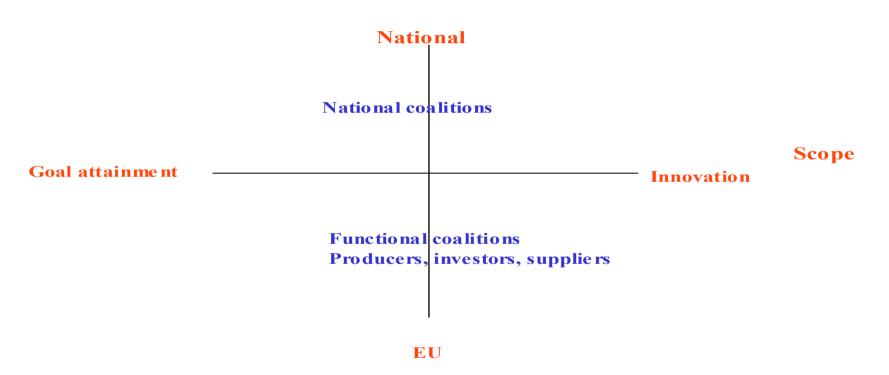
- Scale of RES-E development and RES-E support
 - Nationalists versus Europeanists
- Scope of RES-E development and RES-E support
 - Goal attainment versus innovation
 - Realists versus Idealists



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Advocacy coalitions

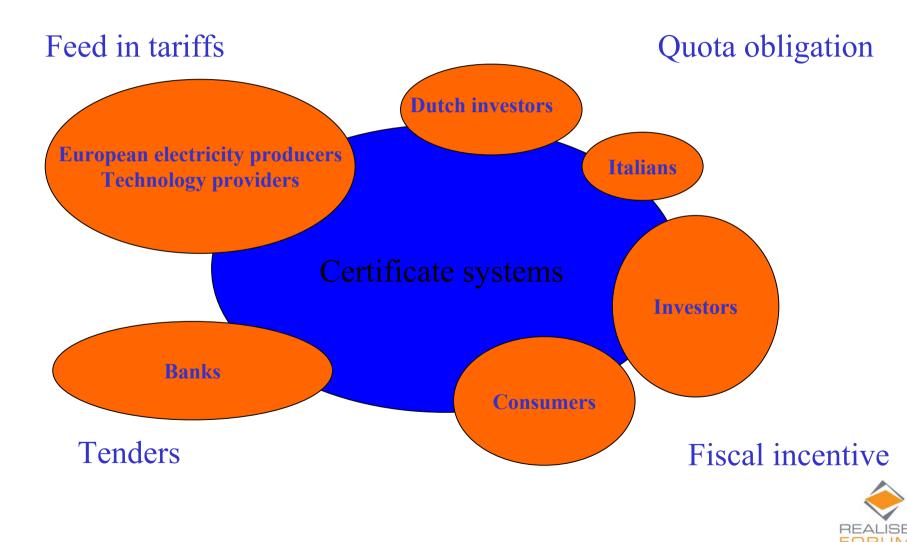
Scale





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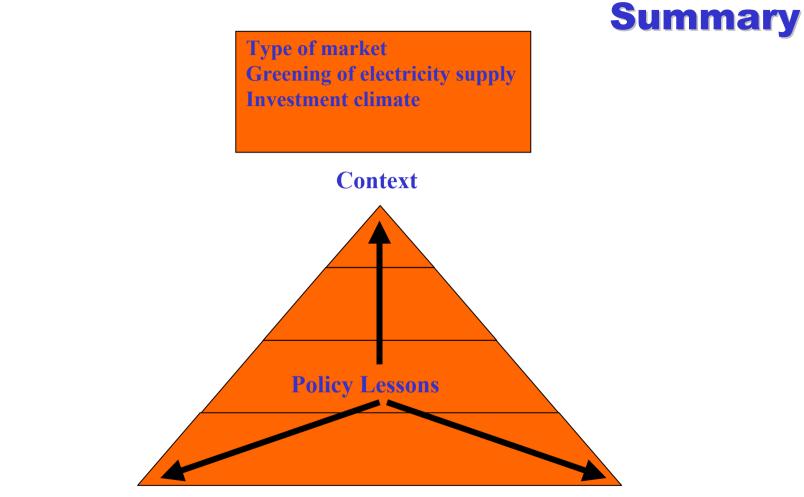
Example: Advocacy coalitions on support scheme





- Change preferences of coalitions
- Develop new coalitions (consumers)
- Provide for secure, reliable and predictable investment context
- Provide for longer-term perspective to investor:
 - Desirable/necessary fuel mix of future electricity production (national and EU). 2050 perspective





Support schemes

Certificate-based Other **Advocacy coalitions**

Scale and scope National - functional



Thank you for your attention



Point of departure

- Expected results REALISE
 - Experiences with different support schemes in liberalising electricit markets
 - Policy lessons for harmonizing support of renewables in EU
- Methodology REALISE
 - Stakeholder consultation / hearings



Major Approach

- Actor centered analysis in context
- Two multidimendional concepts:
 - Type of electricity market
 - Actor cohesion on support scheme



Type of electricity market

Liberalisation

- Degree of competitiveness
- Degree of openness

Ecologisation

- Penetration renewables in national E-production
- Penetration renewables in national E-consumption



Actor cohesion on support scheme

Consensus on national support scheme in use

- Degree of competitiveness
- Degree of risk
- Degree of specification

Willingness to change support scheme in use

- Degree of competitiveness
- Degree of risk
- Degree of specification



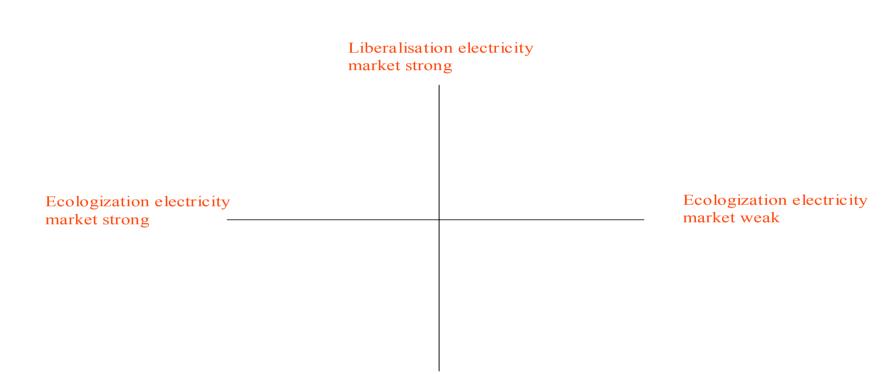
Types of analysis

1. Country Classification

- Type of market
- Actor positions support schemes in use
- Willingness to change
- Combinations
- 2. Analysis of (perceived) causes of (non) change
- 3. Interplay between actors and factors and ways to proceed
 - Policy learning
 - Policy convergence
 - Policy diffusion



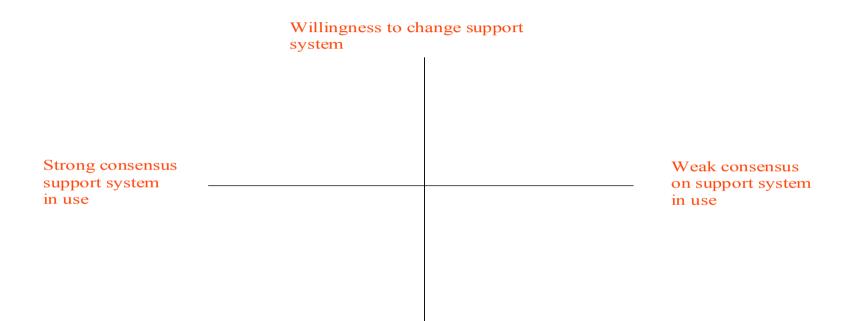
Country classification I



Liberalisation of the electricity market weak



Country classification II



Unwillingness to change support system

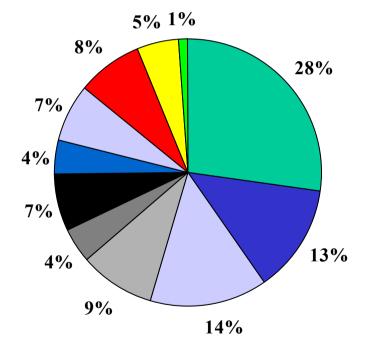


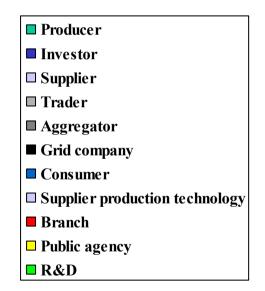
Survey The Netherlands

- On line survey all groups of stakeholders
- May June 2005
- Repetition in 2006



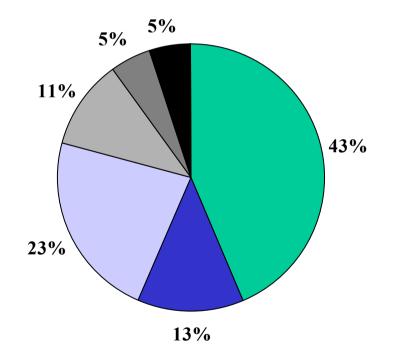
Survey response N=52

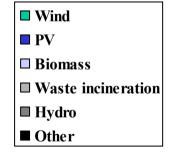






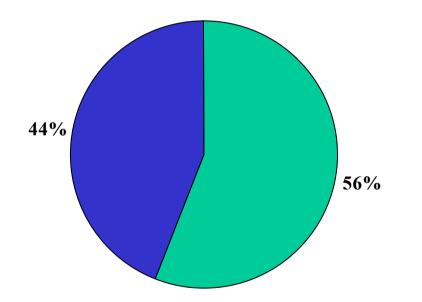
Resources and technology







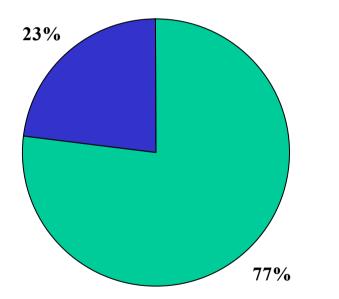
Entering Dutch green electricity Market

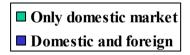






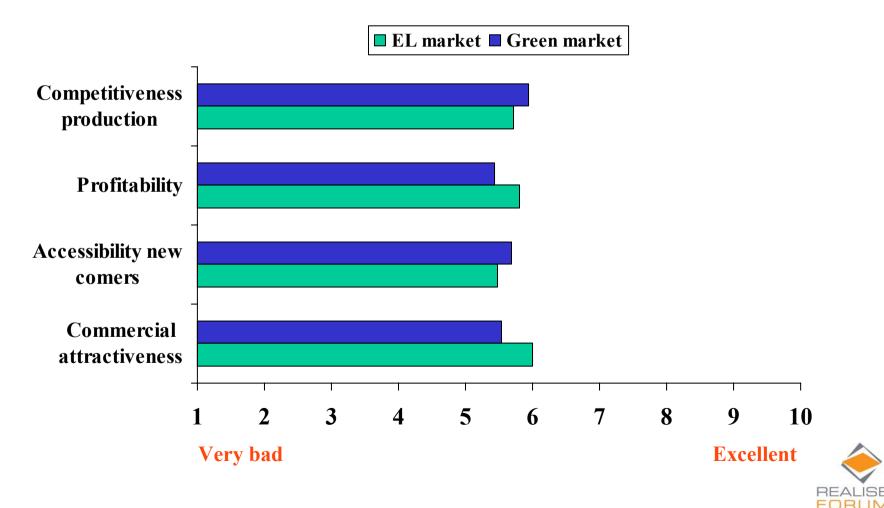
Which Green electricity market



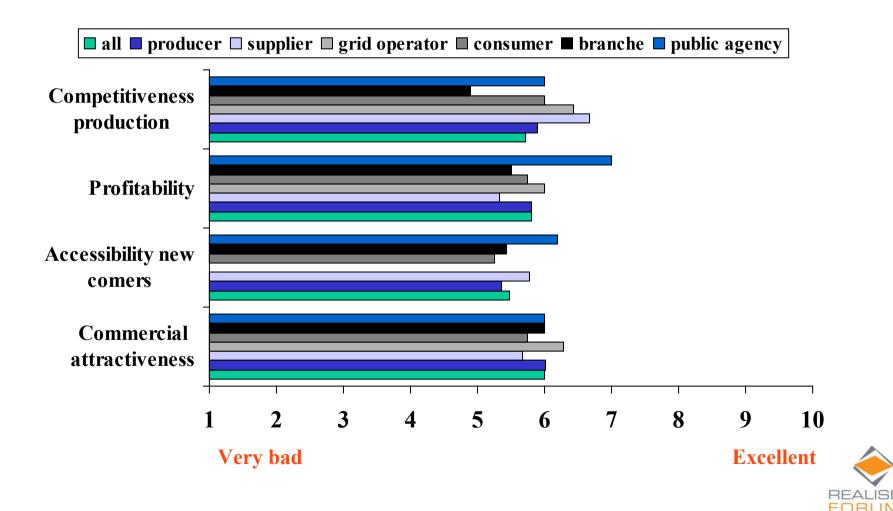




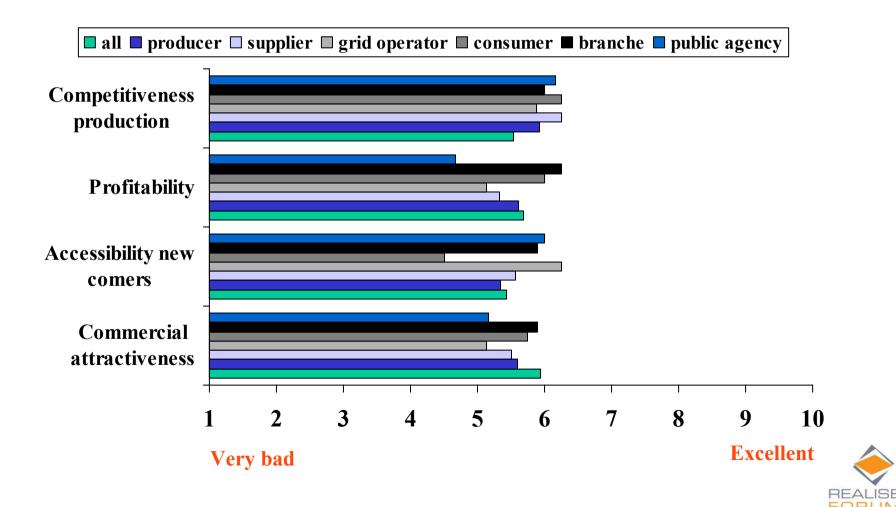
Assessment Dutch (green) electricity market



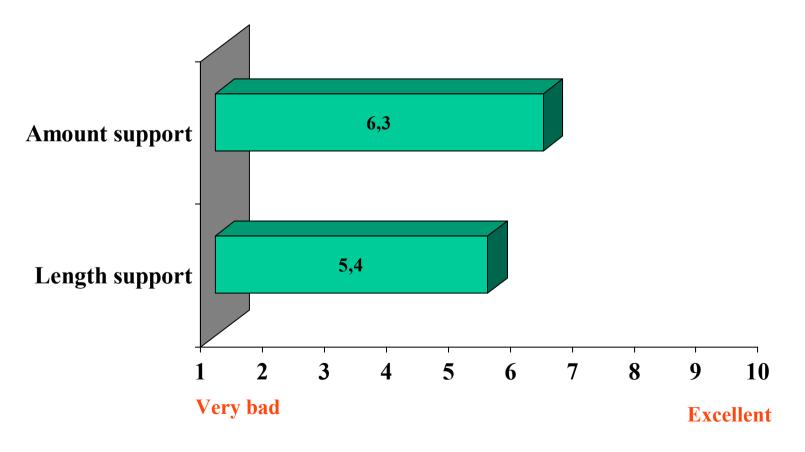
Assessment Dutch electricity market



Assessment Dutch green electricity market

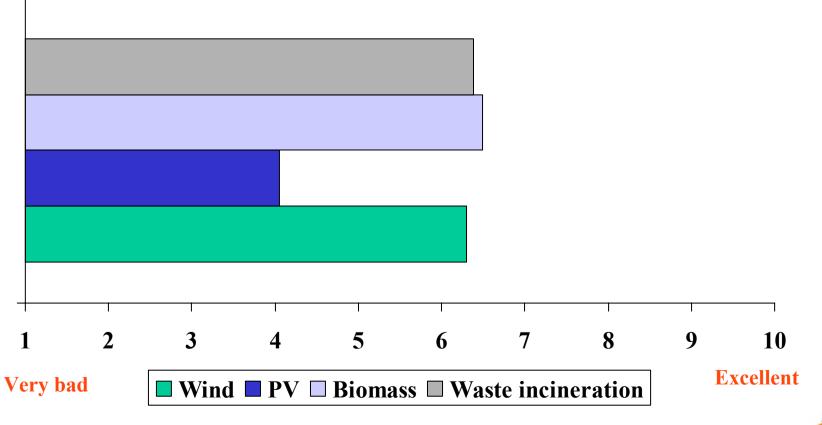


Assessment Dutch support scheme

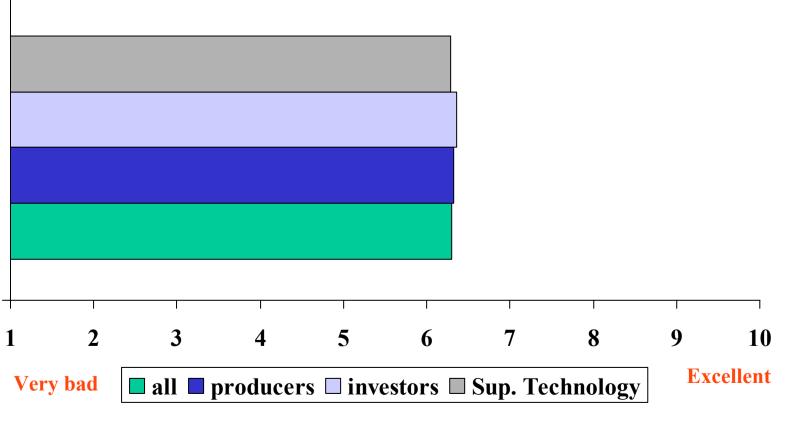




Assessment amount per technology

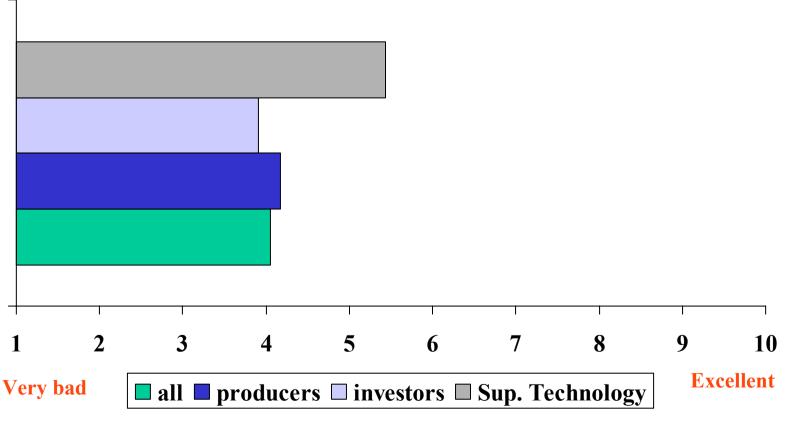


Group assessment support wind



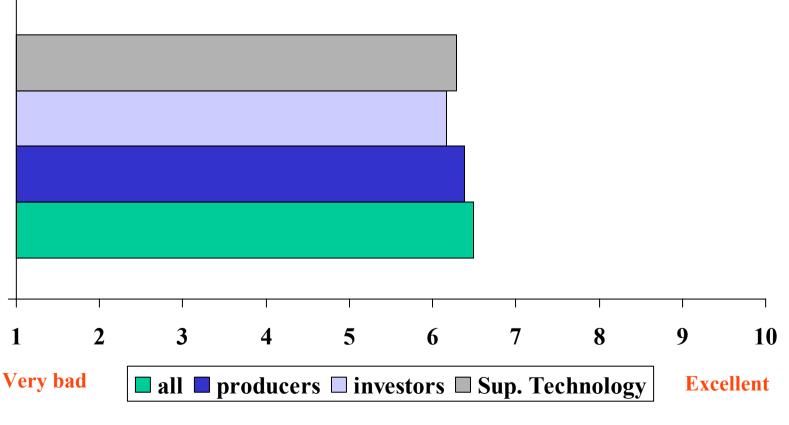


Group assessment support PV



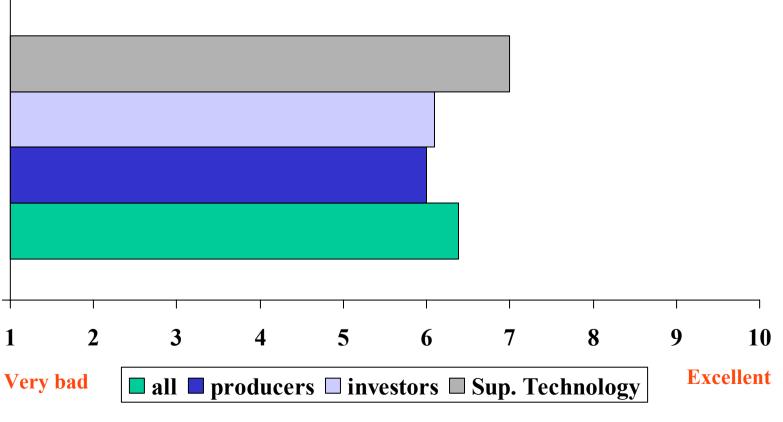


Group assessment support biomass



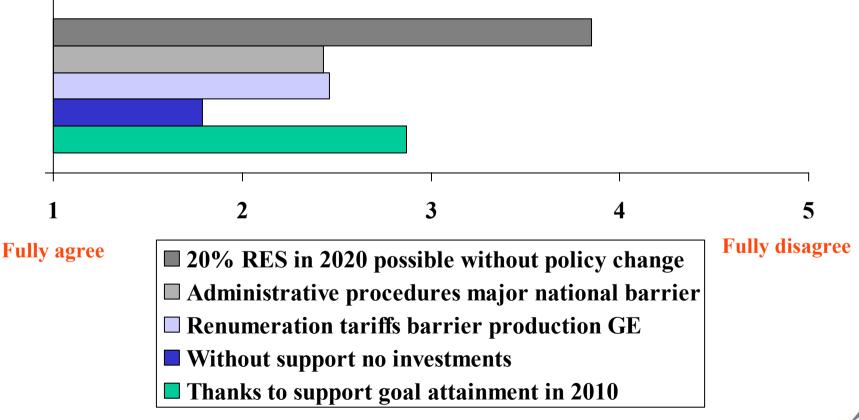


Group assessment support waste incineration



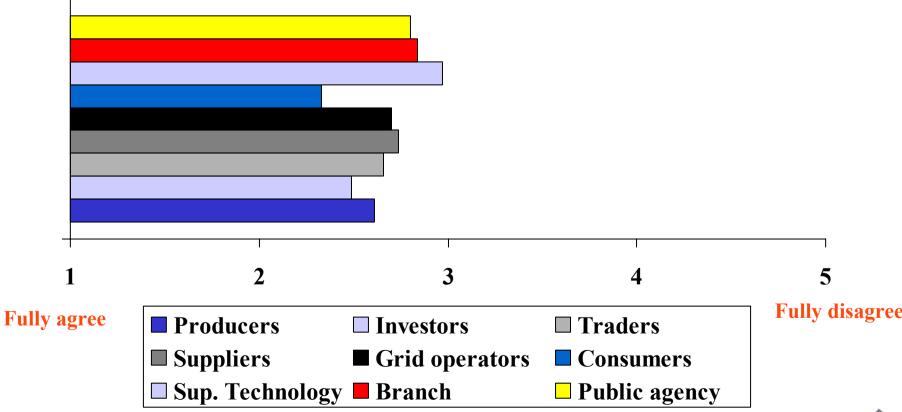


Assessment national investment climate



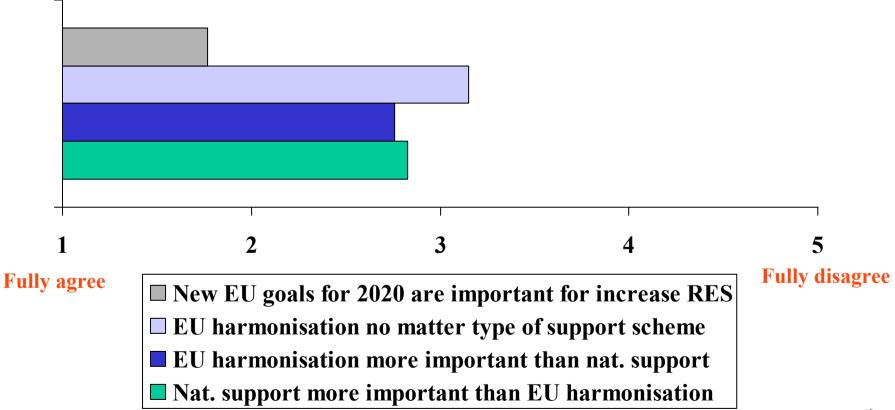


Group assessment national investment climate



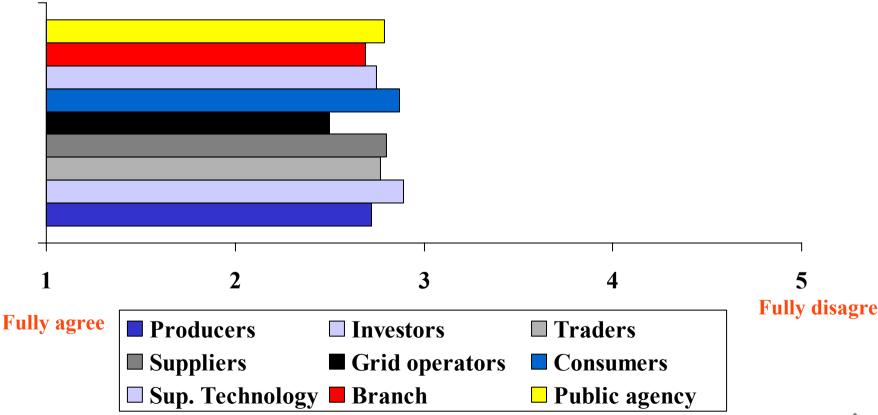


Assessment EU Harmonisation



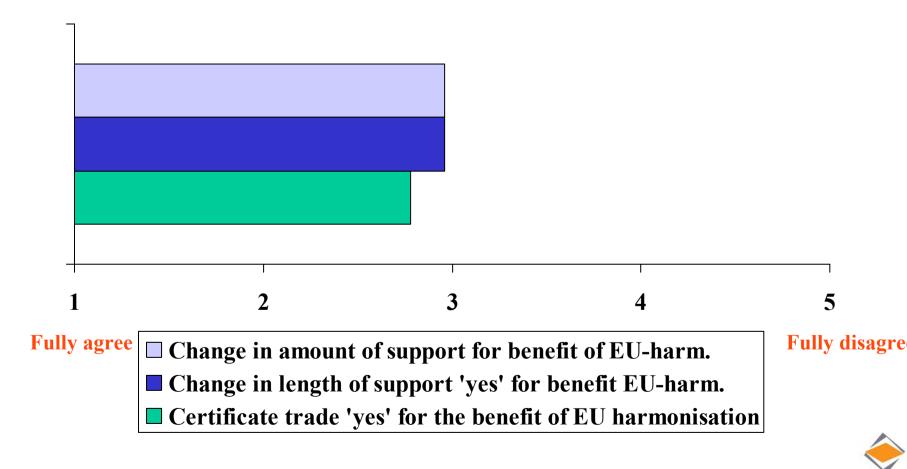


Group assessment EU harmonization





Willingness to change



Willingness to change

