PRODMARKET

New Market Model based on price decoupling

Facts about ProdMarket

Large-scale market simulator using formal optimisation to obtain individual water values

Test concept:

- Each producer optimizes their profit assuming they are price taker
- Each producer sends a supply curve
- Market clearing
- Many similarities to how the power market works

A new model based on ProdRisk, funded by SINTEF Energy Research



Contact:

Arild Lote Henden Arild.L.Henden@sintef.no Research Scientist



The whole power market

- Watercourse 1 to n
- Thermal production
- Demand
- Others

Market simulation

Cuts/water values (supply function)

Watercourse 1

Price forecast

(scenarios)

Stochastic price and inflow Water modules in watercourse 1 Local seasonal/long-term scheduling, ProdRisk

Watercourse 2

Stochastic price and inflow Water modules in watercourse 2 Local seasonal/long-term scheduling, ProdRisk

Watercourse n

Stochastic price and inflow Water modules in watercourse n Local seasonal/long-term scheduling, ProdRisk