

# Technological Changes in Long Term Transition Scenarios

Koen Smekens

ECN Policy Studies , Energy Research Centre of the Netherlands (ECN), Petten, The Netherlands  
<smekens@ecn.nl>

Based on scenario analysis with the Western European Markal model including endogenised technology learning (ETL) and using cluster approach for learning technologies, an insight will be presented on the long term behaviour of key technologies (e.g. gas turbines, gasifiers, wind turbines,...). This behaviour will be guided by the scenario assumptions used in the transition scenarios, i.e. a complete change of regime state of the energy system. These new regimes are based on renewables, biomass, hydrogen, climate protection, green energy, ... or a combination of those. The presentation will aim to formulate some conclusions on technology development paths and the timing needed to reach a new regime state.

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