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Date 13-05-2011 | 1

Energy Law and Hydrogen Research

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Energy Law in Groningen

- › Energy Law Chair established in 2005 followed by the establishment of the Groningen Centre of Energy Law (GCEL) in 2006/2007.
- › GCEL consists of some 12 researchers and 10 PhD researchers
- › Research covers the entire energy chain, i.e. the regulation of the production, transmission and supply of energy and climate change
- › Education involves three teaching programmes, i.e. LLM Energy and Climate Law, North Sea Energy Law Programme and *Energiericht op Locatie*



Energy Law and Hydrogen

- › Energy law is influenced by EU law and internal market concepts. The focus is on the production, transport and supply of electricity and (natural) gas.
- › So far hydrogen has not played a role in EU and national energy law but hydrogen can
 - be injected into the natural gas grid (gas quality rules) or
 - be applied via a process of power-to-gas as a storage option (storage rules)



Hydrogen as a Transport Fuel

- › EU legal framework governing hydrogen fuel is directive 2014/94/EU on the deployment of alternative fuels infrastructure (implemented in the Netherlands via a Decree of 26 April 2017)
- › Each Member State has to provide for sufficient charging points. Currently 2 hydrogen charging points (aim is 20 charging points in 2020).
- › Main obstacles are costs / need for support schemes
- › Choices need to be made with regard to transport options



Technical developments need
to be assessed jointly with
regulatory solutions

See also www.gcel.nl