



25th world gas conference
"Gas: Sustaining Future Global Growth"

Innovation is the key to a sustainable future

Major Findings from IGRC2011

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Chairman of IGRC2011 Technical Program Committee

Date: 7 June

Venue: Emerald room



Patron



Host



Host Sponsor



Facts: IGRC2011 Seoul

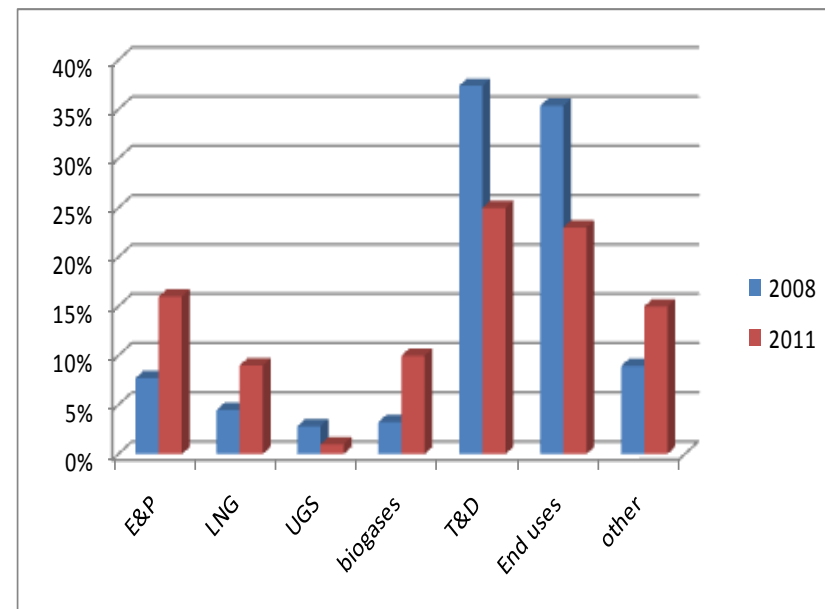
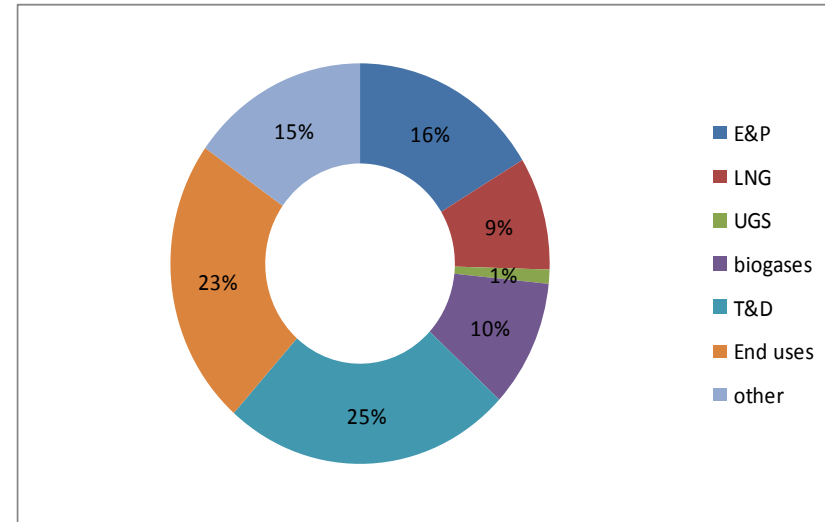


- 500 registered delegates from 39 countries
- 47 speakers in parallel oral sessions
- A CEO's round table
- 6 workshops
- 40 exhibitors
- 210 posters presented

Major findings IGRC 2011

Core business

- ***A very active agenda in upstream topics :***
 - ↳ Unconventional gases
 - ↳ LNG
 - ↳ Biogas/SNG production
- ***Safety and integrity management, a continuing commitment for the gas networks***



Major findings IGRC 2011

Core business

- ***New equipment for the residential and commercial market:***
 - ↳ Development of micro-CHPs (fuels cells & engines)
 - ↳ Integration of renewable energy: gas heat pumps
 - ↳ Hybrid systems: electric heat pumps + condensing boiler
- ***CNG for the transportation market***



Major findings IGRC 2011

Emerging technologies / new business

- *Gas sustainability assessment*

- ↳ The 1st LCA study on the whole European Gas chain
- ↳ The biogas production LCA (awarded paper)

- *CCS*

- *LNG as a fuel*

- ↳ LNG for trucks : fluvial and maritime sector



Major findings IGRC 2011

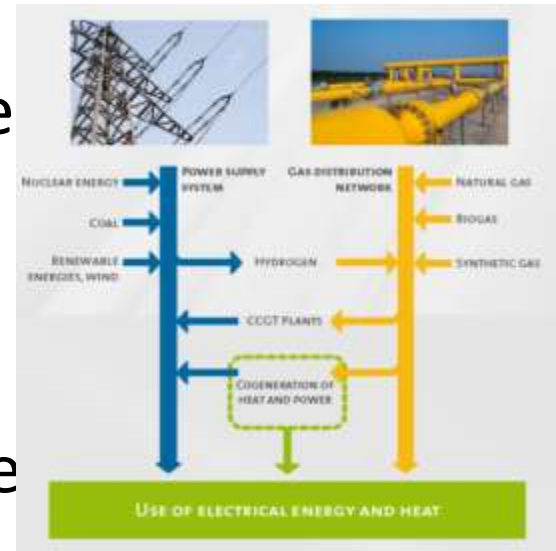
Emerging technologies / new business

- *Moving from smart grids (electric) towards smart energy grids (gas + electric)*
- *Gas infrastructures for green electricity storage and transportation “PowerToGas”*



↳ Addresses the supply & demand issue in combination with new gas technologies

↳ Creates flexibility to accommodate the electricity surplus from renewable sources



Concluding remark IGRC 2011

Continuous developments, improvements and efforts to make innovations to happen are the key to strengthen competitiveness of natural gas and establish its winner position.

**Next IGRC 17-19 September 2014 Copenhagen, Denmark, will be prepared by the incoming PGC F
*Gas Innovations Inspiring Clean Energy***

