

## Session No. 2

# High Efficiency Gas Appliances for a Sustainable Energy Use

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# High Efficiency Gas Appliances for a Sustainable Energy Use

- Sustainable energy use and CO<sub>2</sub>-reduction are stringend needs in our times
- European Commission's energy policy supports these objectives by several directives and promotion campaigns
- This caused research institutes and manufacturers to improve their development efforts in the field of high efficient energy systems and new energy sources
- Heat pumps, micro-CHP, solar energy use for heating and cooling, biogas, and intelligent energy labelling are some outcomes of these activities
- The speakers in session 2 will present some interesting developments in this area



# High Efficiency Gas Appliances for a Sustainable Energy Use

1. Hartmut Heidinger from Austria  
Biogas from co-fermentation of bio-waste at a waste water treatment plant
2. Jean Schweitzer from Danmark  
Proposals for a practical and competitive eco labelling
3. Dr. Lothar Breidenbach (Wilfried Linke) from Germany  
Market status of different high efficient new gas appliances
4. Héctor Rubio Plana from Spain  
Solar cooling systems and natural gas experiences and results
5. Jan Ruml from Czech Republik  
Tri-generation source for administrative buildings



# High Efficiency Gas Appliances for a Sustainable Energy Use

- **Can Biogas on a long-term basis play a significant role in substitution of natural gas and what share biogenic waste could make up?**
- **Will the planned labelling system prefer or discriminate gas appliances against electrical systems?**
- **Which new gas heating technology is most promising to be successful on the future markets?**
- **Why does solar cooling have such difficulties to compete with electric systems?**
- **What role will CHP-systems play in the future?**