



International Partnership for Hydrogen Economy

3rd Steering Committee Meeting

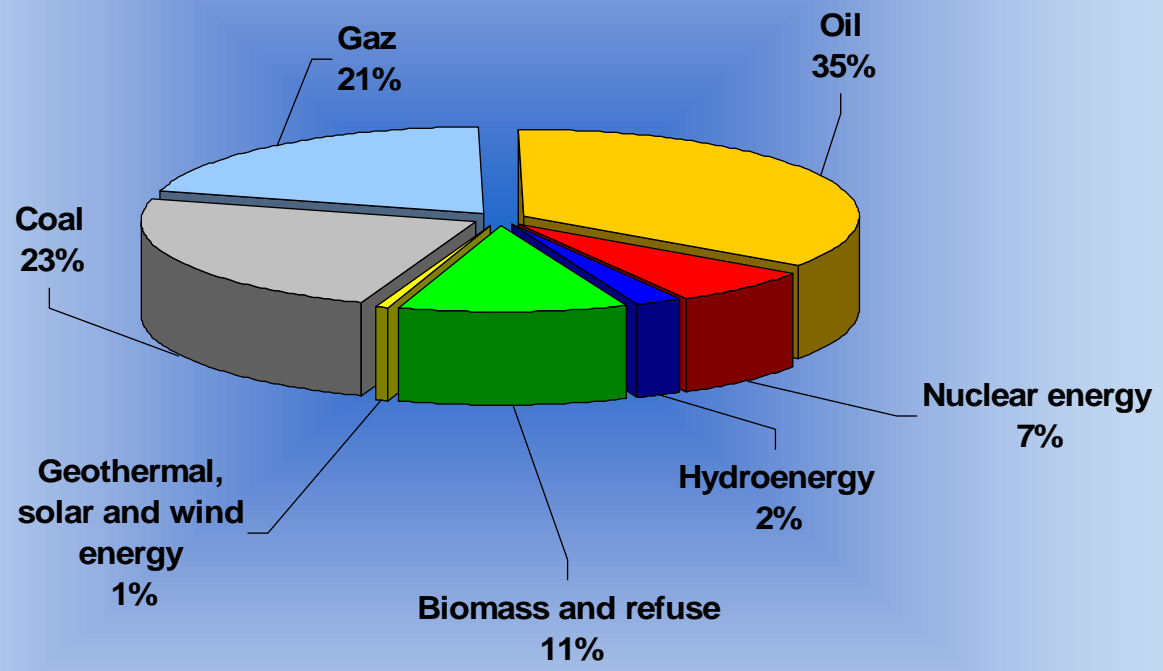
26-28 January 2005, Paris

S.MAZURENKO

Federal Agency of Science and Innovations



World Consumption of Primary Energy





Federal target scientific and technical programme «Studies and Developments in Priority Trends of Science and Technique Development» 2002-2006

- ✓ effective hydrogen production, including production from hydrocarbons in stationary and transport systems
- ✓ systems of storage and transportation of hydrogen on the basis of hydrid systems, metallhydrids and composite nanostructural materials
- ✓ power systems on the basis of solid oxide fuel cells
- ✓ hydrogen combined-cycle and steam electric-generating plants
- ✓ portable fuel cells
- ✓ problems of hydrogen security, development of rules, codes and standards of security
- ✓ hydrogen production from renewable sources and nuclear reactors .



Government and private partnership

- ✓ 3-year collaborative “Norilsk Nickel” corporation and the Russian scientific organisations programme
- ✓ Joint working programme between the company “Gasprom” and the Russian Federal Agency on Atomic Energy

Universities

- ✓ 5 Russian universities perform training of specialists (students, postgraduate students, scientists) in the specialty “Hydrogen and Electrochemical energy”

Specialized journals

- ✓ Electrochemical energy
- ✓ Alternative Energy and Ecology



International Scientific and Technological Cooperation

- ✓ 6th Framework Programme on Research and Technological Development for 2002-2006
- ✓ “Fuel Cells Initiative” of the International Science and Technology Center
- ✓ Joint programme of the Russian Ministry of Atomic Energy and the US Department of Energy on high temperature reactor with helium heat carriers (programme NE-2010)
- ✓ Civilian Research and Development Foundation (CRDF) programme