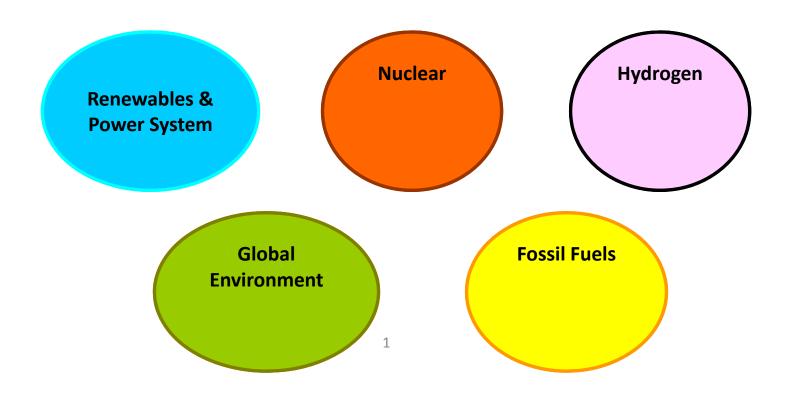
Institute of Applied Energy (IAE) - overview

- Since 1978
- Non-profit organization
- Expertise energy technology assessment
- Visit http://www.iae.or.jp for further information

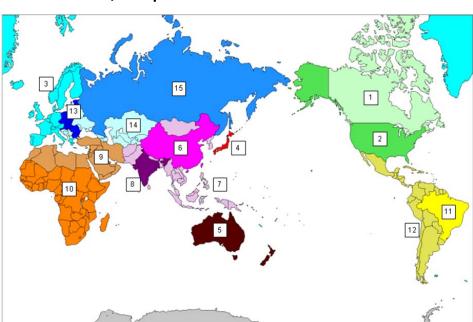


Global Environment Group

- Energy and Environment System Analysis Tools

GRAPE: Global

15 regions
2000 to 2100, Optimization model
Utility maximization
Integrated Assessment Model
Macroeconomy, Landuse&Ag, Energy
Climate, Impacts



TIMES-Japan: Japan

One region
1990 to 2050, Optimization model
Discounted sum of energy system cost
Energy System Analysis model
Energy technology in detail

Global Environment Group

- Technology Roadmap and Technology Review -

Technology assessment – recent examples

- Cool Earth Innovative Energy Technology Program and Technology Development Roadmap for G8 Summit in Japan (2008)
- Energy technology roadmap for Ministry of Trade and Industry or Cabinet Office (various)
- ICEF 2015 energy technology review (2015)