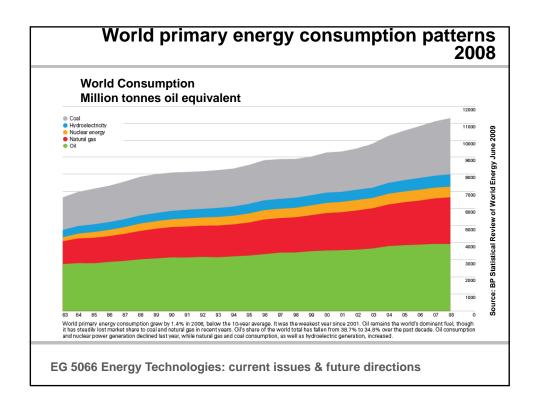
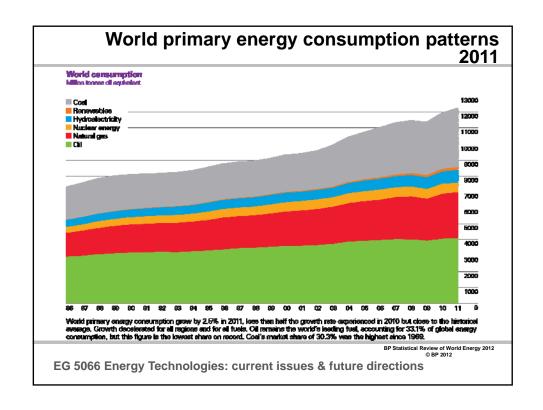
## Overview of the Energy Industries

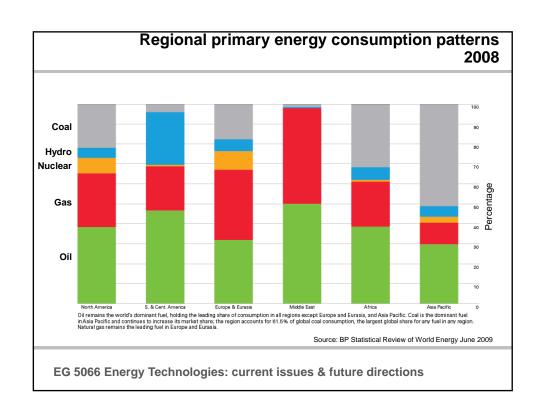
EG 5066 Energy Technologies: current issues & future directions

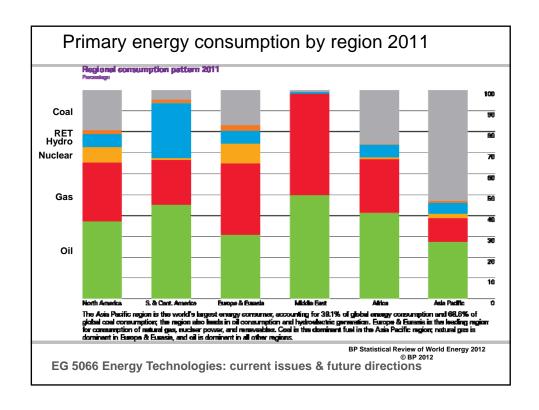
## We use energy to provide: Blectricity Heat Coal Transport Nuclear Large-scale hydroelectricity EG 5066 Energy Technologies: current issues & future directions

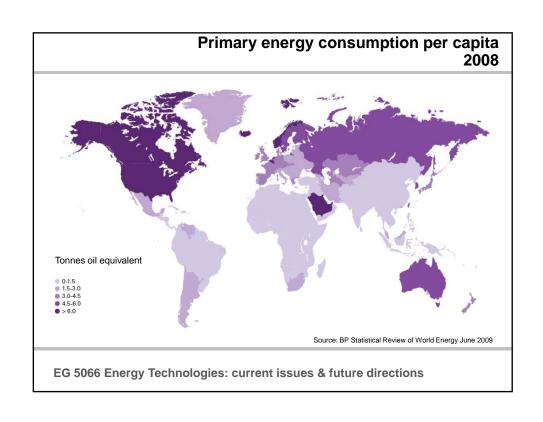
## Overview of the Energy Industries Rising energy demand Need to stabilise atmospheric CO<sub>2</sub> at 550ppm Aging fleet of coal & nuclear plant Concerns about storage of nuclear waste Declining oil & gas reserves 30-50 years Only 70 years of uranium left Reduce reliance on hydrocarbons Gives greater emphasis on renewable sources of energy EG 5066 Energy Technologies: current issues & future directions

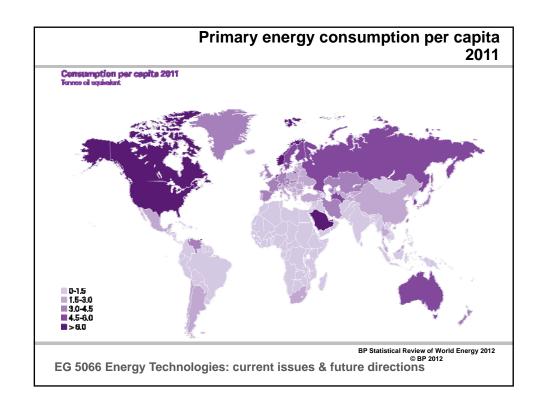


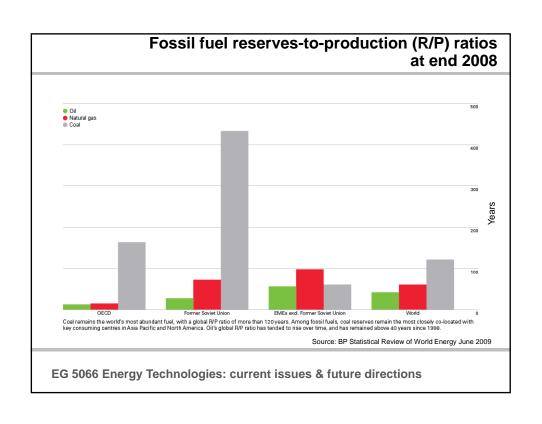


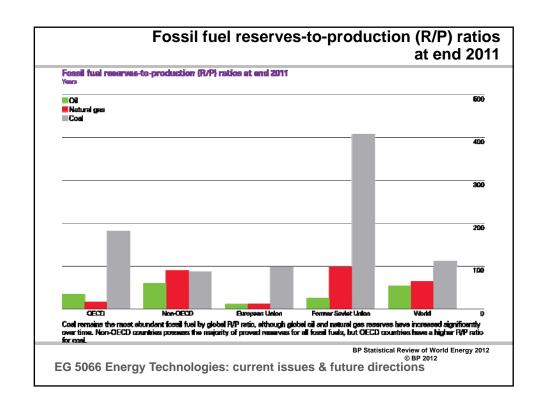




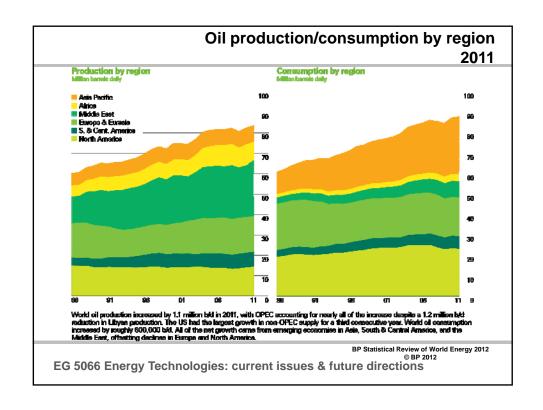


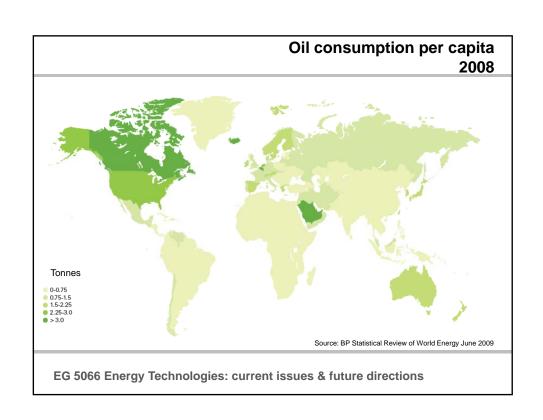


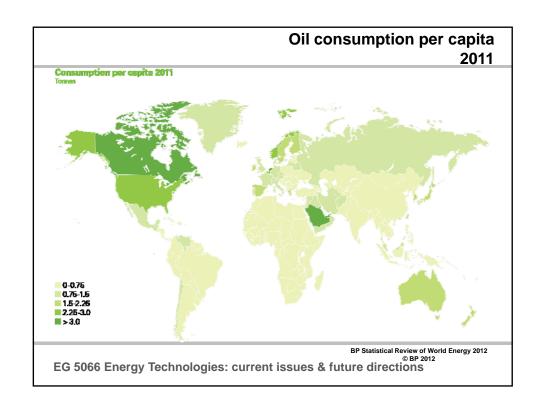


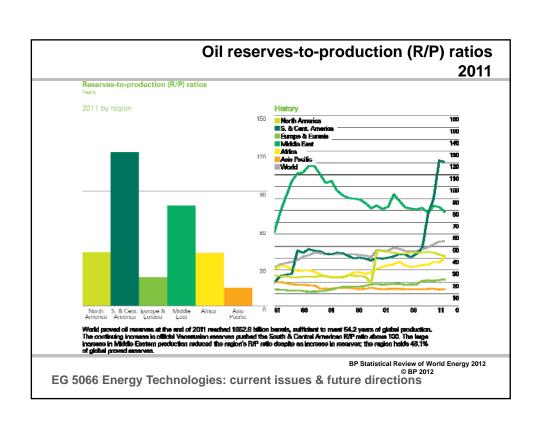


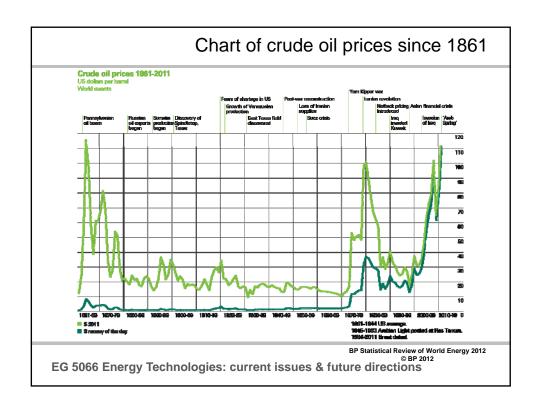




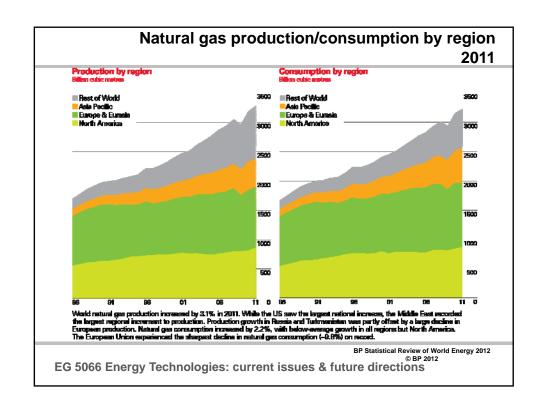


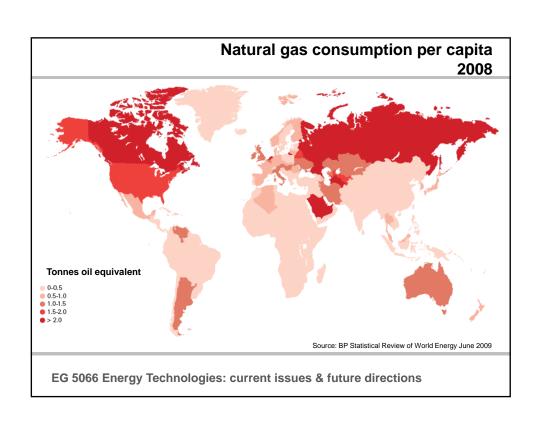


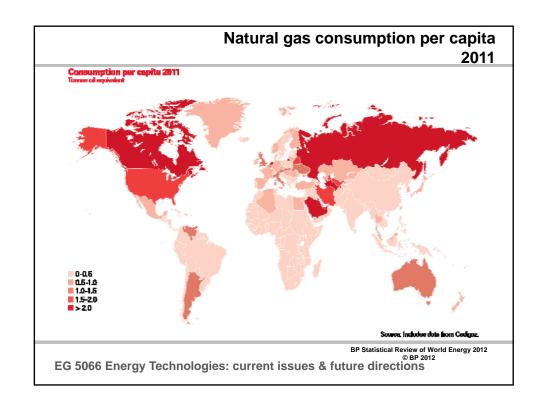


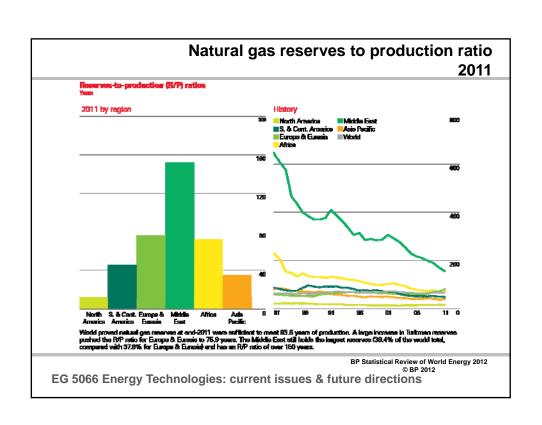


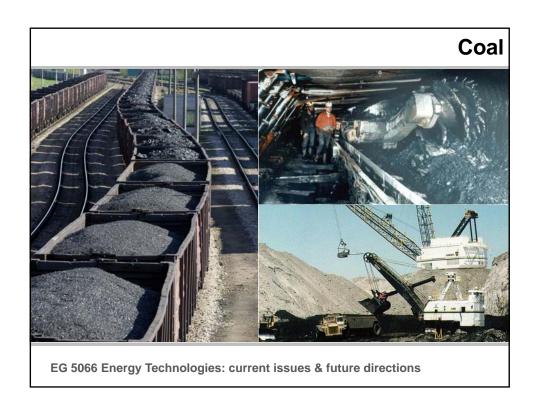


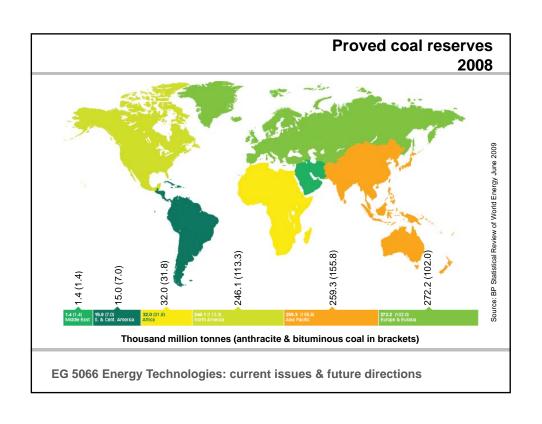


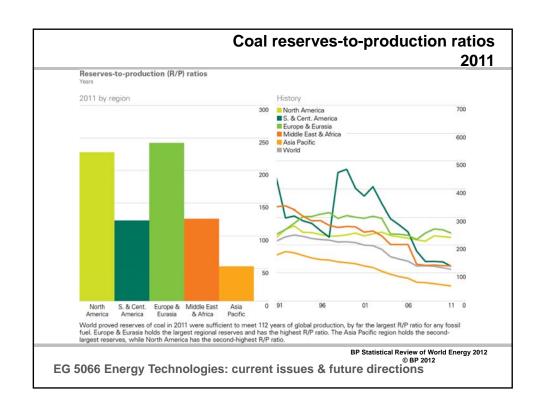


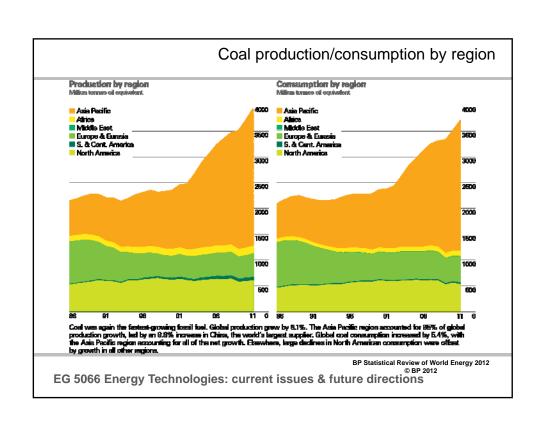


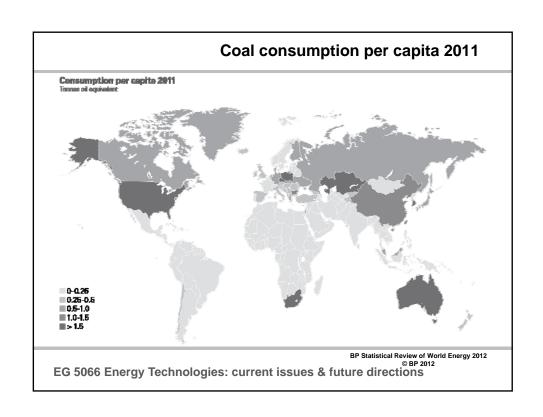




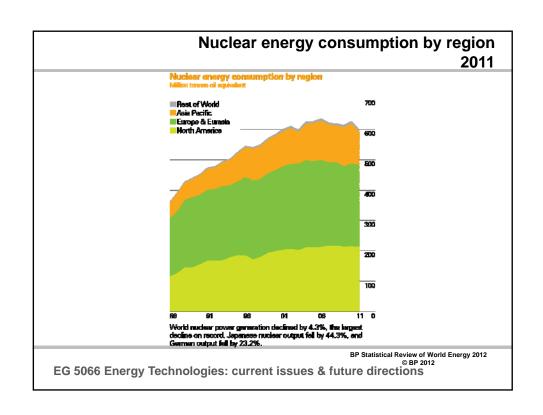


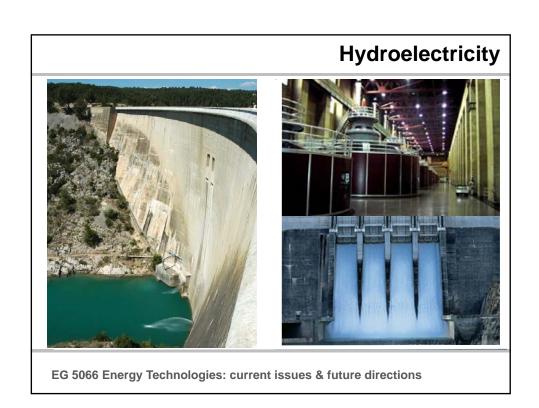


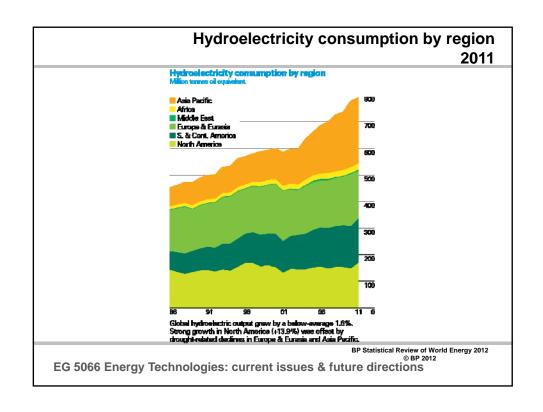


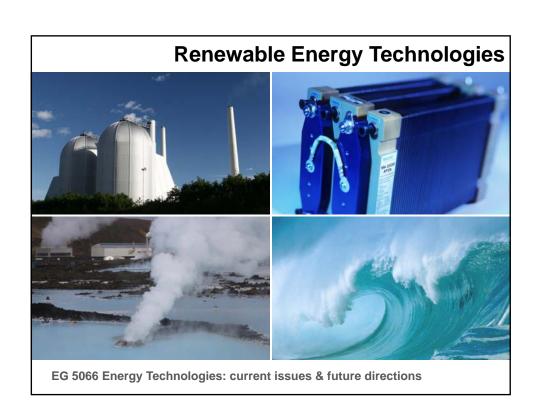












## **Renewable Energy Technologies** Mainly concerned with producing electricity from sustainable sources: **Biomass** Fuel Cells Geothermal • Hydro-electricity Solar photovoltaics (PV) Tidal Wave Wind power Onshore Offshore EG 5066 Energy Technologies: current issues & future directions

