

Theme Overview: Energy

Rosalind Archer

Energy Research – Supply

Coal-bed methane

Petroleum

Gas hydrates

Wind

Solar

Electricity

Tidal

**(capability
available)**

Energy Research – Supply

Coal-bed methane

Petroleum

Gas hydrates

Wind

Solar

Electricity

Tidal

**(capability
available)**

Energy Research – Supply

Coal-bed methane

Petroleum

Gas hydrates

Wind

Solar

Electricity

Tidal

**(capability
available)**

Energy Research - Supply

Coal-bed methane

Petroleum

Gas hydrates

Wind

Solar

Electricity

Tidal

**(capability
available)**

Energy Research - Supply

Coal-bed methane

Petroleum

Gas hydrates

Wind

Solar

Electricity

Tidal

**(capability
available)**

Energy Research - Usage

Fuels/Biofuels

Energy storage

Heat transfer

Refrigeration

Aluminium smelting

Wireless power supply

**Sustainability/Complex
systems**

Energy Research - Usage

Fuels/Biofuels

Energy storage

Heat transfer

Refrigeration

Aluminium smelting

Wireless power supply

**Sustainability/Complex
systems**

Energy Research - Usage

Fuels/Biofuels

Energy storage

Heat transfer

Refrigeration

Aluminium smelting

Wireless power supply

**Sustainability/Complex
systems**

Energy Research - Usage

Fuels/Biofuels

Energy storage

Heat transfer

Refrigeration

Aluminium smelting

Wireless power supply

**Sustainability/Complex
systems**

Energy Research - Usage

Fuels/Biofuels

Energy storage

Heat transfer

Refrigeration

Aluminium smelting

Wireless power supply

**Sustainability/Complex
systems**

Links to other Themes

- Infrastructure and Environment
 - CO₂ sequestration
 - Energy infrastructure
 - Fuels
- Manufacturing and Materials
 - Aluminium smelting
 - Heat transfer
- Technologies for Health
 - Wireless power transfer

Campus Resources

- IESE, Institute for Earth Science and Engineering
- Energy Centre, School of Business
- Statistics Department (operations research)
- Physics Department (e.g. Stuart Bradley's wind measurement research)
- SGGES, School of Geography, Geology and Environmental Science (e.g. climate science issues related to fuel use)

Funding

- Some energy areas seen as “mature” and not typically funded by FRST funding. Scope to lobby for change?
- Energy related companies have funded many groups on a project by project basis. Scope for a more coordinated approach to industry?
- International funding. Possibilities directly from companies (e.g. wind turbine manufacturers) or through grants?