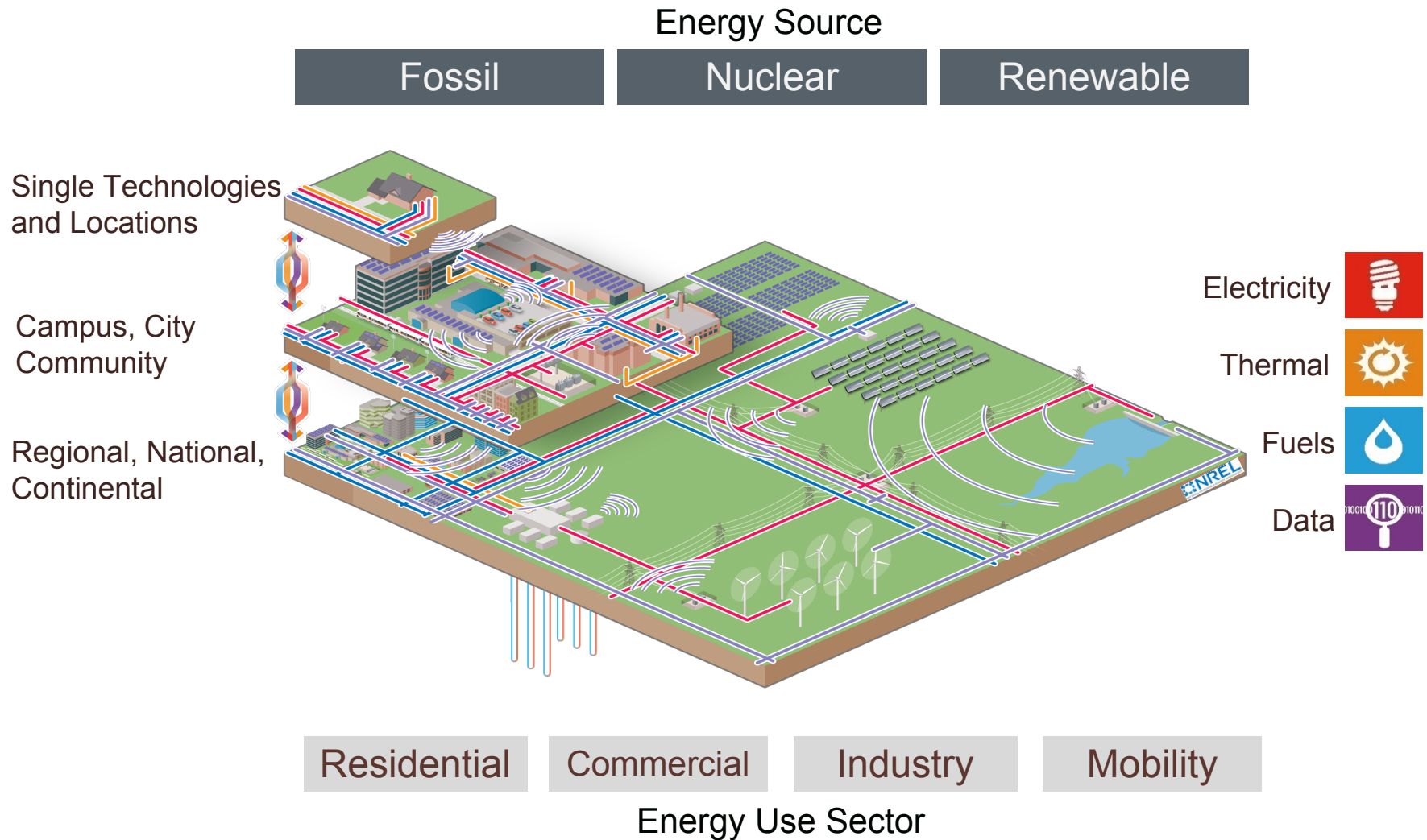


# Outputs from Washington Workshop and Introducing the Themes of Copenhagen Workshop

Mark O'Malley, University College Dublin

# Energy Systems Integration (ESI)



Optimizes the integrated suite of electrical, thermal, and fuels pathways at all scales

# Washington Workshop

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- First workshop for iiESI
  - February 18/19<sup>th</sup> 2014 – Washington DC
  - US (35), Europe (10), Asia (1)
  - Three themes
    - Gas/Electricity
    - Demand Side management
    - Decentralised Energy Paradigms
  - Summary and slides available at [www.iesi.org](http://www.iesi.org)
- Outputs
  - People enjoyed it
  - Several themes missing
    - Regulatory and market issues dominated
    - Energy water nexus
  - Objectively researching energy systems solutions

# Themes for Copenhagen Workshop

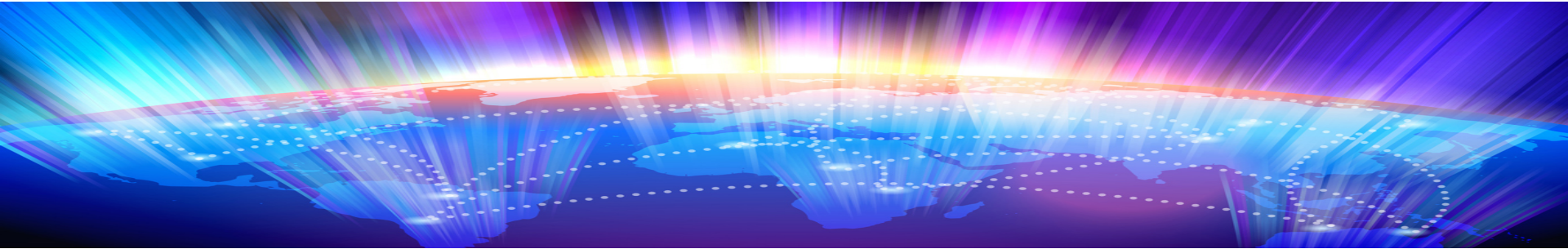
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- Tuesday 26<sup>th</sup> May
  - Task Force: Integrated Gas-Electricity Models
  - Regulation, Policy and Market Design Session
- Wednesday 27<sup>th</sup> May
  - Parallel Sessions
    - Gas/Electricity Interdependence
    - Decentralisation and Demand Side Management
  - Water Energy Nexus
  - Panel session

# Desired outcomes

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- Identify knowledge generation opportunities
  - “White space”
  - Lessons learnt
    - From the past
    - From one another
- Communication of knowledge generation
  - Academic – journals, magazines, reports
  - Thought leadership – actions in particular with industry



## **Addressing Energy Challenges Through Global Collaboration**

### **Our Mission:**

To ensure investments in energy systems integration are coordinated and optimized to yield the greatest value possible to the global community.

### **Our Vision:**

Engage people in efforts to enable highly integrated, flexible, clean, and efficient energy systems.

### **Our Near-Term Objectives:**

- Hold 2-3 meetings each year to foster the exchange of ideas, results, lessons learned, and best practices from energy systems integration activities
- Create a framework for knowledge capture, management, and transfer from energy systems experience and experiments conducted to date and in the future
- Coordinate investments in future energy systems integration R&D and education

**Contacts and Further Information to be found at:**

**[www.iiesi.org](http://www.iiesi.org)**