



# Challenges for Regional System and Network Operation

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We actively contribute as thought leaders, innovators and market data providers, sharing our knowledge and delivering market insight.



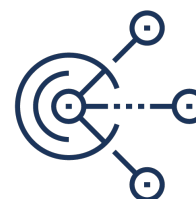
## Data Integration

Data Transfer Service  
CSS Connect  
MHHS Connect  
DCC Connect



## Data Analytics

EMPRIS  
Ofgem / DESNZ direct  
access to > 40 billion  
rows of market data



## Data as a Service

Near real time data  
access to facilitate  
consumer innovation  
and engagement



## Innovation

Providing data for  
innovation and  
research focussing  
on Networks

**Best Companies 2 star!**  
Outstanding organisation



# Who Is Using Data



Energy Suppliers | Network Operators | Embedded Generation | Generators | Innovators | Energy Brokers  
| Price Comparison Websites | Water Suppliers

# Regional Network Operation



## Uncertainty

- FSO / DSO / Regional planning.  
Still a lack of clarity?
- Security of supply and only paying for a MW once.
- How is flexibility fairly valued (for both the network and the FSP)
- How will conflicts be identified in a near real time operational environment



## Data and Digitalisation

- Is the correct data available to all parties to enable flexibility provision – Is data of the correct granularity / quality available
- Data Governance is still unclear
- Lack of regionally consistent data (Data Best Practice aiming to address).
- Lack of interoperability of published data.
- Development of new services is data greedy - more is more.
- Could be a market for data integration solutions across multiple regions (single access points)







## Complexity

- Fragmented markets across multiple regions
- Different integrations across regions (ENA Open Networks to address)
- Rapid changes in participation rules and regulation. Difficult for small FSPs to keep up
- Participation independent from Supply is a challenge for smaller players



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