DAFNI Champions kick-off

Infrastructure Research Ontologies

Lauren McMillan

24 June 2020

Background

PhD Student, Infrastructure Systems Institute, UCL
Research topic 'Anticipatory and self-healing infrastructure systems'
MEng Civil Engineering, *Durham University* (2019)

IRO

Primarily working on WP1 – Types of IRO

- **Types of Infrastructure Research Ontology (IRO)**
    - **Review of existing literature**
    - **Survey of universities' IRO use**
    - **Analysis**

Research Questions; *What types of IRO have been created? What types of IRO are being used in infrastructure sectors? What knowledge can existing IROs offer? Are there any key commonalities or limitations? Where are the gaps in IROs across sectors?*

- **Review any relevant findings on data sets and scaling issues (other work packages)**