

# **CReDo OASC SUMMIT**

## **CLIMATE RESILIENCE DECISION OPTIMISER**

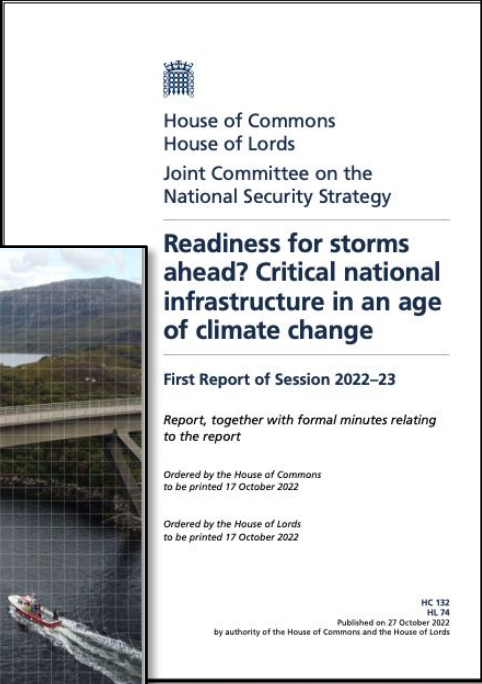
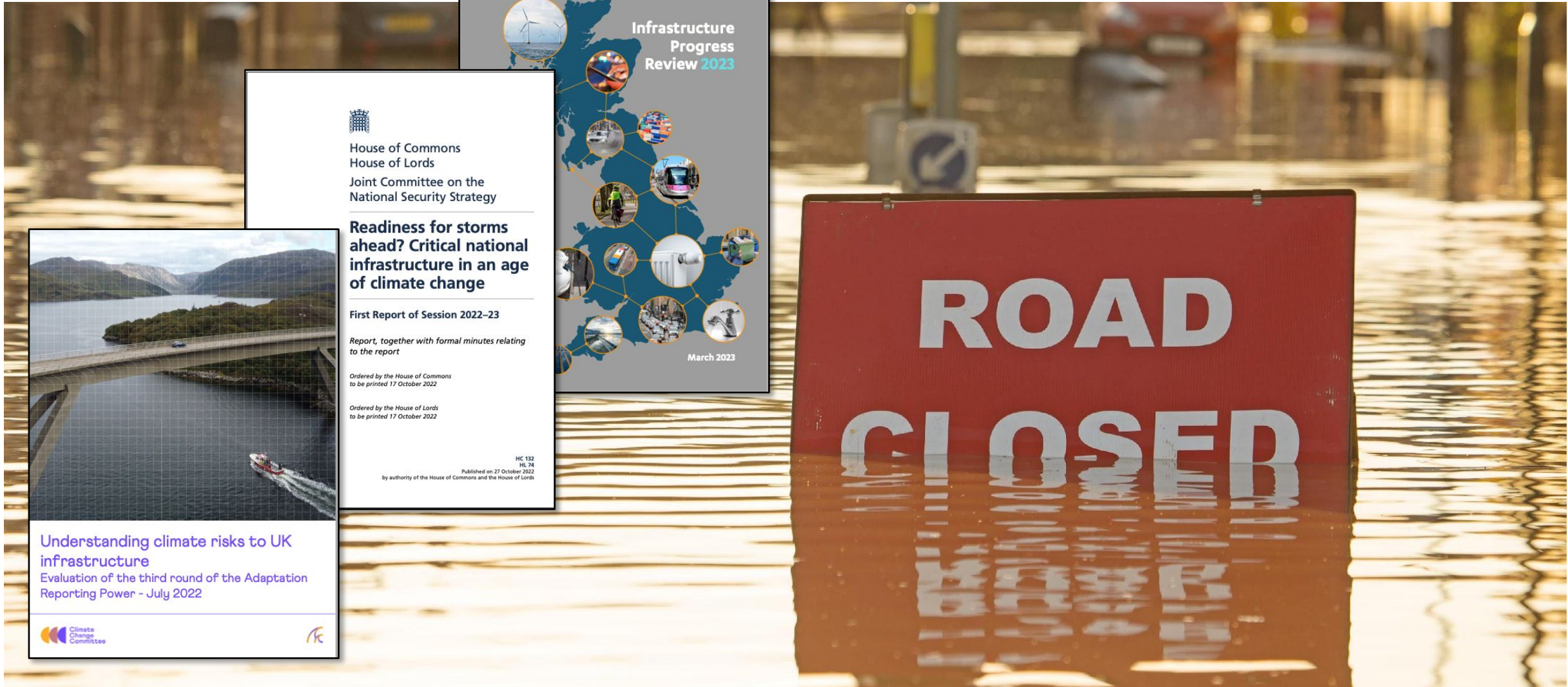
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Wilson

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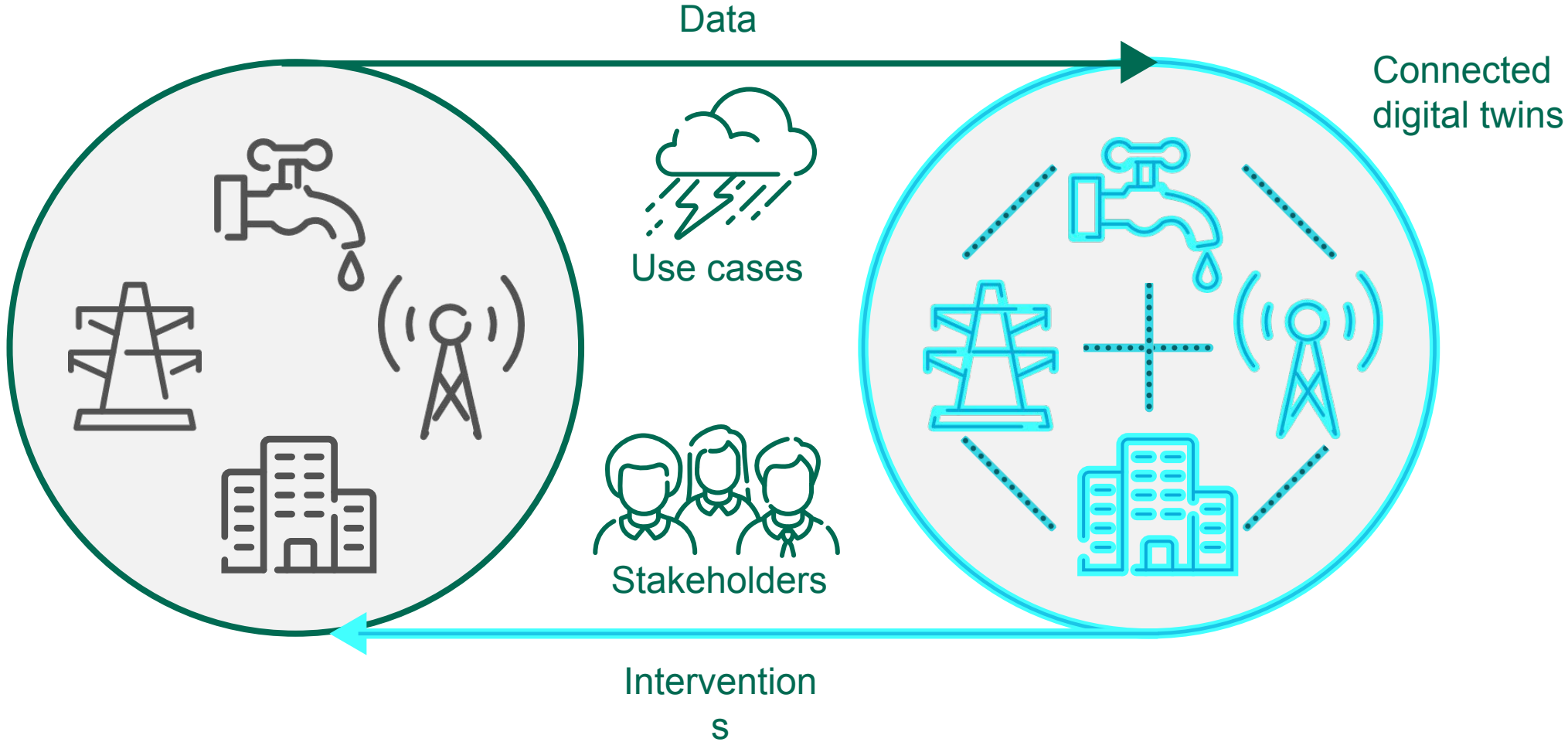
# INFRASTRUCTURE INTERDEPENDENCIES



Understanding climate risks to UK infrastructure  
Evaluation of the third round of the Adaptation Reporting Power - July 2022



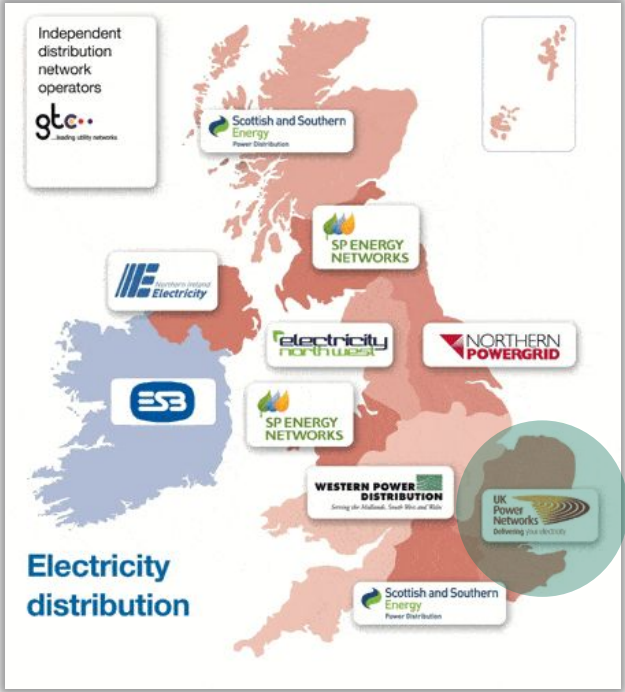
# DIGITAL TWIN



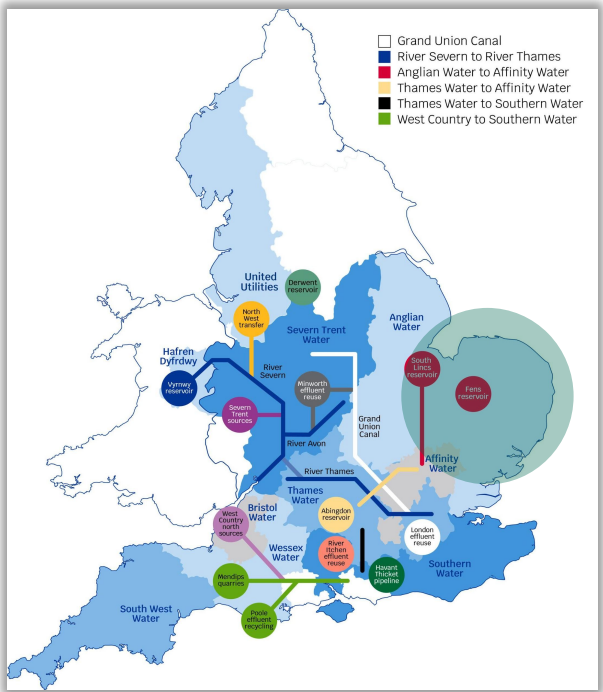
# UK INFRASTRUCTURE



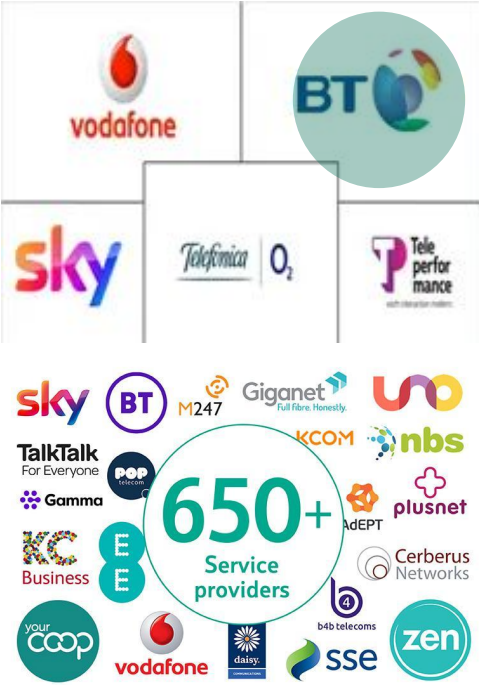
## Electricity



## Water



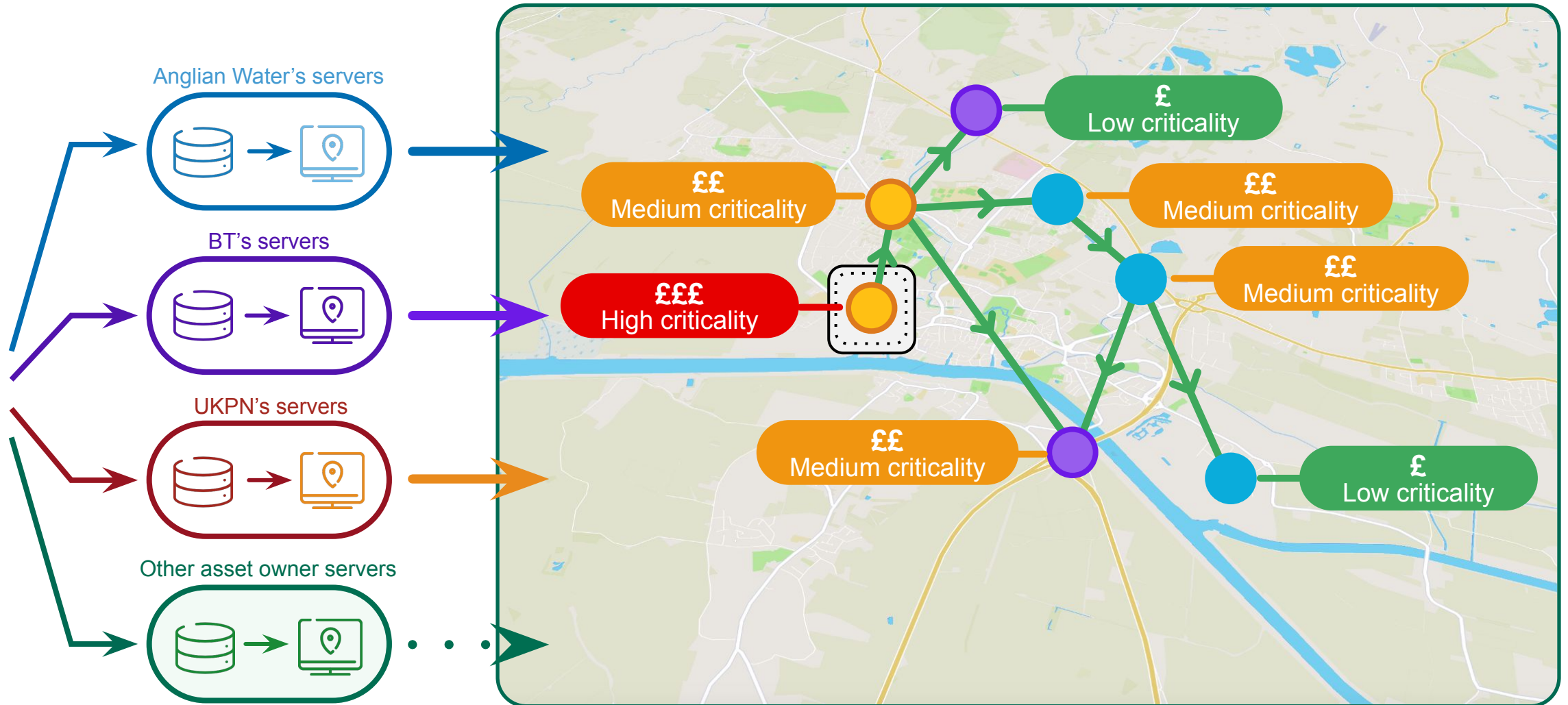
## Telecoms



Project partners



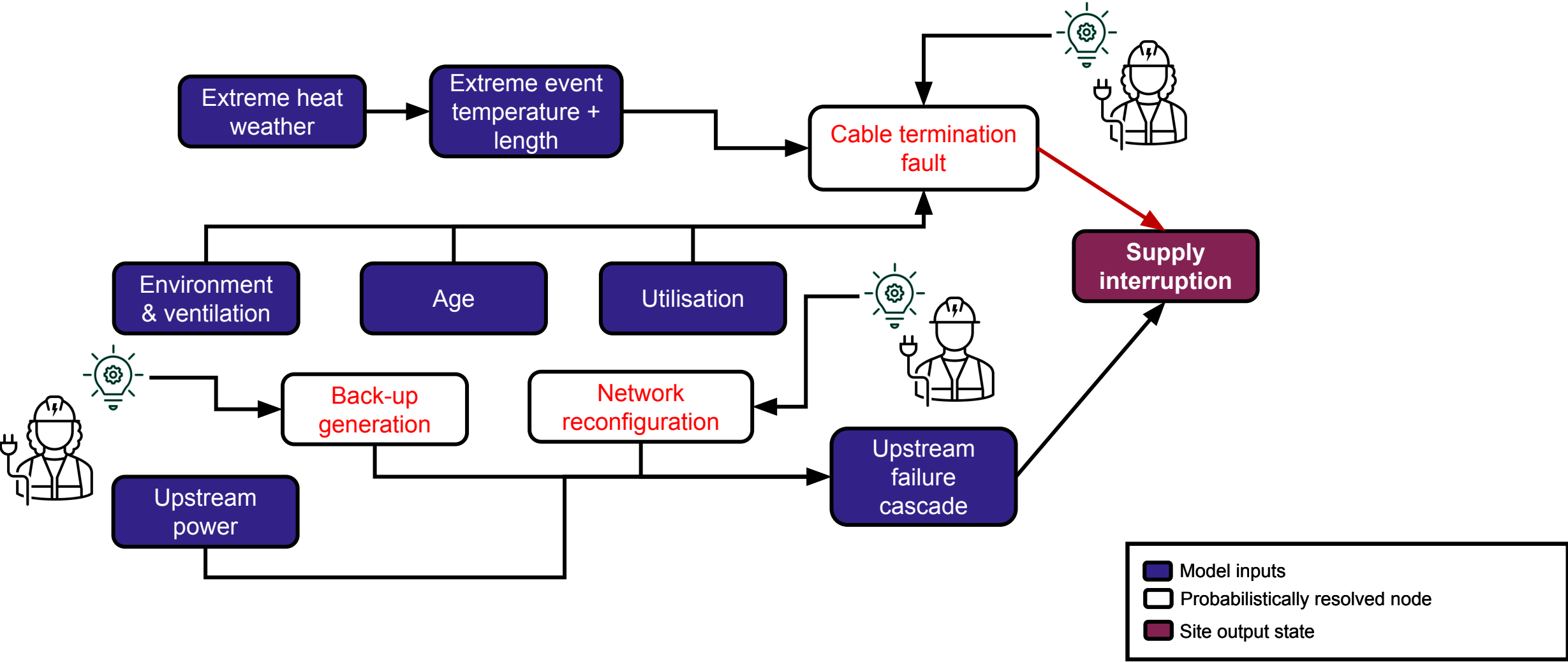
# ...FOR COORDINATED RESILIENCE PLANNING



# BAYESIAN ASSET CLIMATE RISK MODELLING



Tacit knowledge from subject matter experts encoded into likelihood and risk models – overcoming the data gap

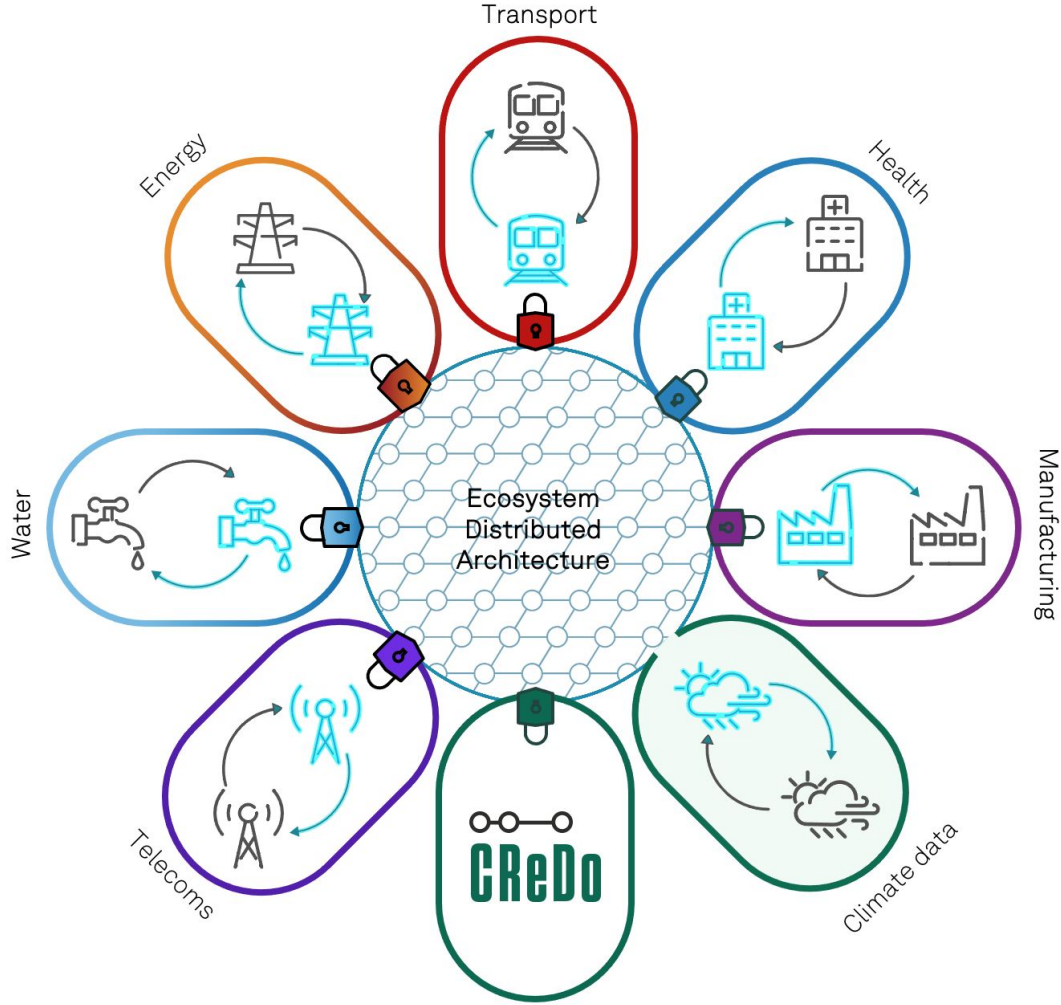
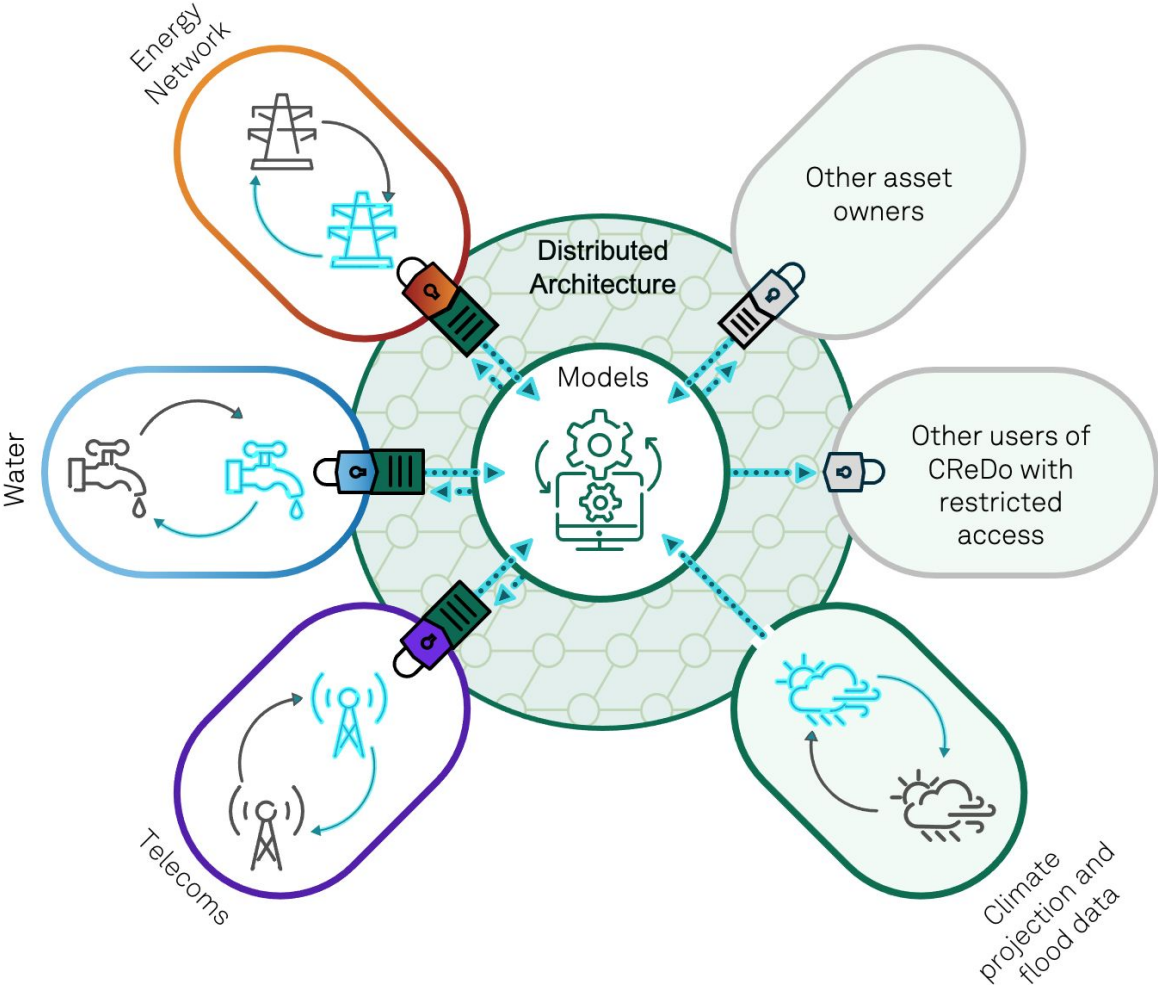


# CONNECTING DATA ACROSS SECTORS



Developing and testing a distributed data sharing architecture

Contributing towards the vision of a connected digital twin ecosystem

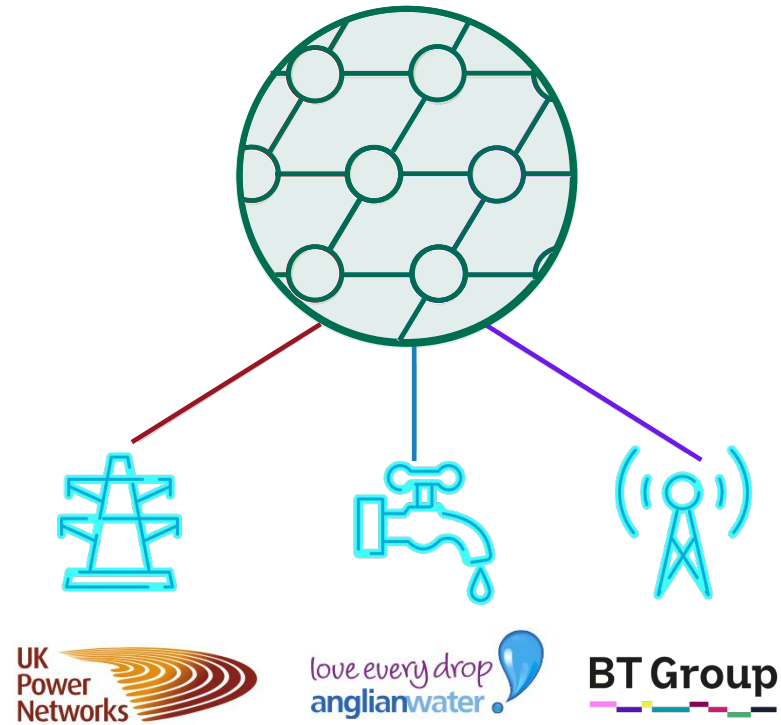


# COMMON DATA STRUCTURE



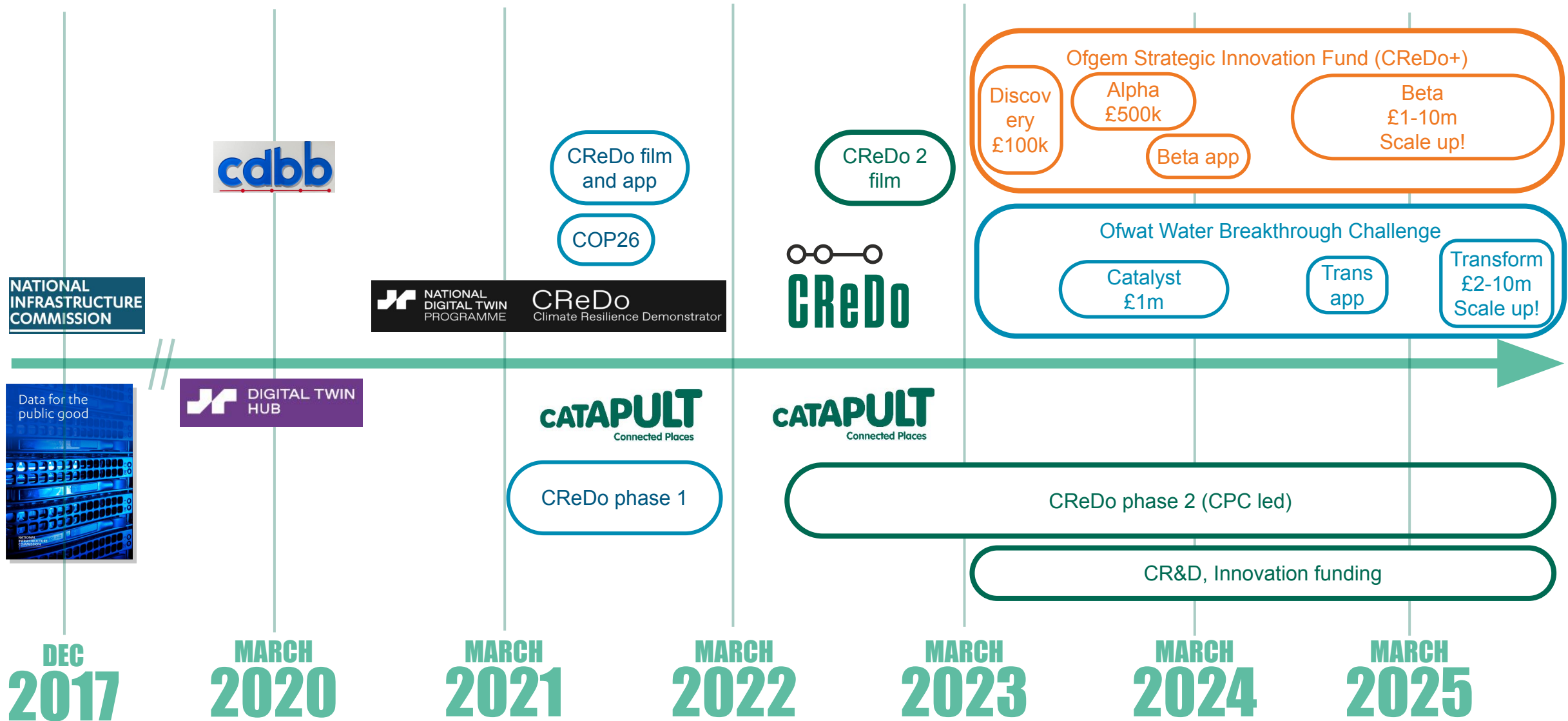
CRoDo uses a common data structure to create interoperability between the data from the different asset owners

Distributed architecture  
can connect to





# CReDo JOURNEY



# THANK YOU

Connect with us over the course of the day or over LinkedIn for further discussion or collaboration

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Holly Hensler – Senior Product Manager (Connected Places Catapult)

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