Forth ERA: A regional recovery platform

Andrew Tyler, Peter Hunter, Sheona Mathewson & Sam Barnet

5th May 2021

















City Region Deal: SIEC







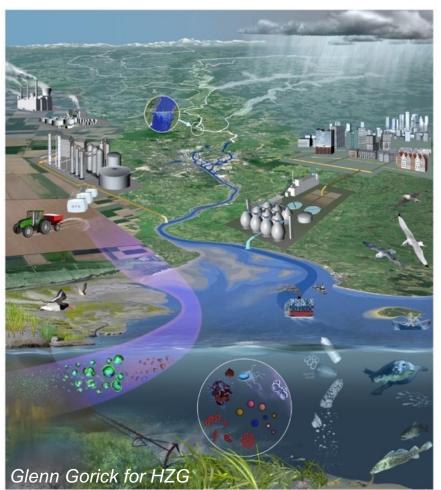


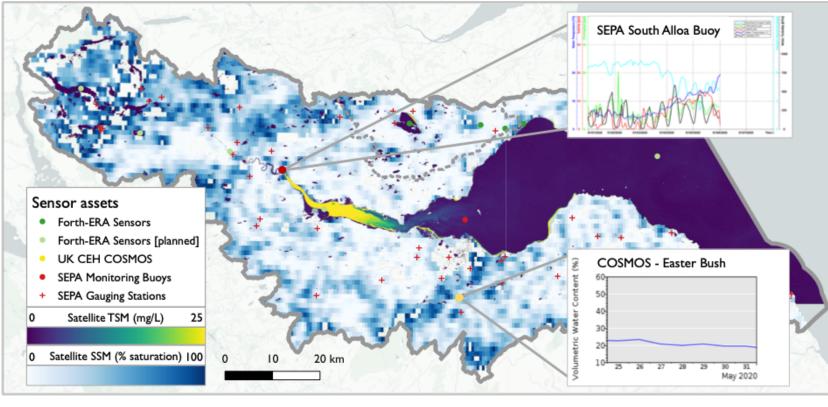


Forth-ERA: The Opportunity





















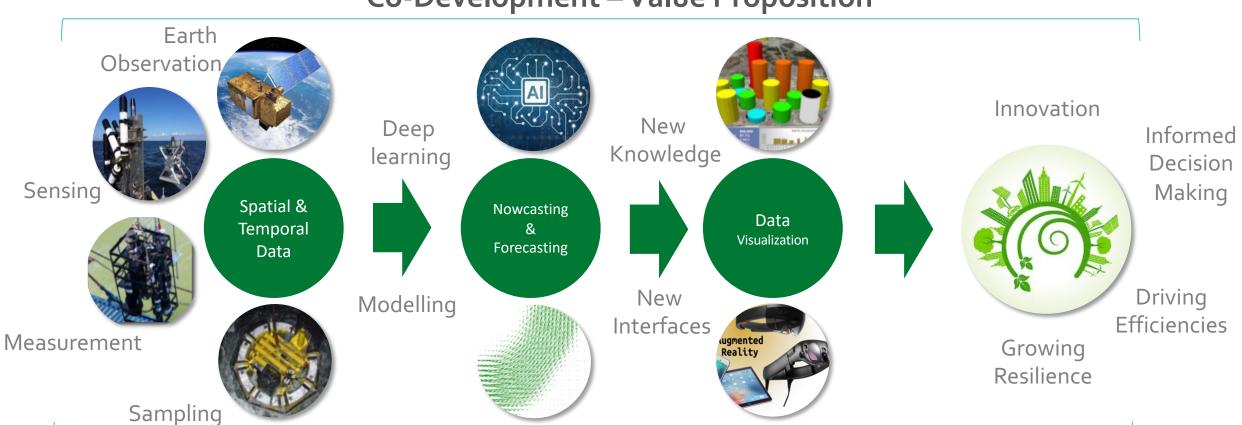




Forth-ERA: A new perspective for the Green Recovery



Co-Development – Value Proposition



LoRaWan, 4G, NB-IoT & 5G Digital Fabric















Visualisation / AI Platform



Forth-ERA

- Web-based software platform and toolkit
- live data streams and analytics from sensor networks, satellite imagery and model simulations
- via a single intuitive client interface accessible from desktop, tablet or mobile devices.
- Exploit 5G cellular network technology
- high-volume data telemetry from a large number of distributed sensors, including high-definition video
- permitting live streaming of large data volumes in the field supporting innovative applications such as the use of augmented reality (AR) in the natural environment.



















Time Line





UNIVERSITY of STIRLING















Green Recovery -Working in Partnership



The Scotland **5G** Centre







giving

nature















UK Centre for



Climate

Ready Forth



CREW













































Flooding and drought, water quality including bathing waters

Leven Programme: Water lead

Community Action: Climate Resilience

Sector wide initiative: Leadership Council

Partnership: MOU in development

















Contact details

Website: https://www.stir.ac.uk/about/forth-environmental-resilience-array/

Key contact details:

Prof Andrew Tyler - <u>a.n.tyler@stir.ac.uk</u>

Dr Peter Hunter — p.d.hunter @stir.ac.uk

Sheona Mathewson — sheona.mathewson@stir.ac.uk

Sam Barnett - <u>sam.barnett@stir.ac.uk</u>





