

Digital twins for safe and sustainable delta development in a changing climate

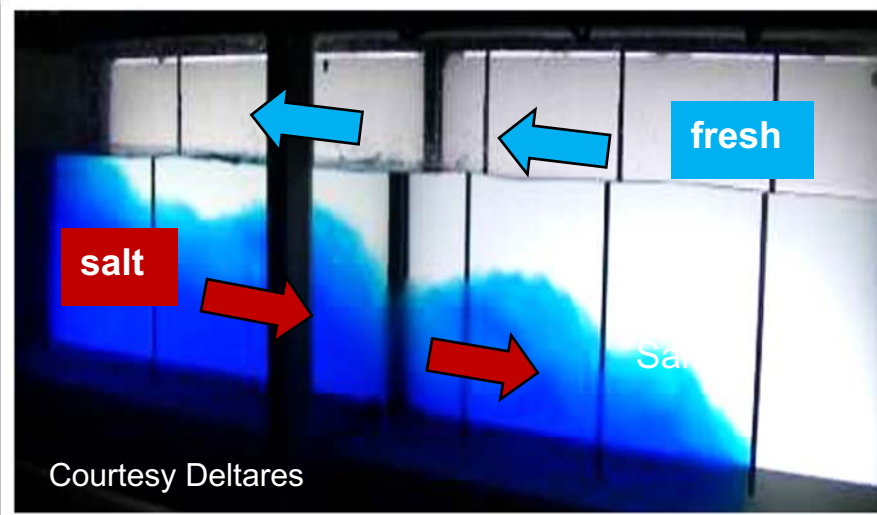


SURF Seminar Digital Twins for Earth Sciences

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Courtesy Port of Rotterdam

SALTISolutions: Monitoring salt intrusion in the Rhine-Meuse Delta



Monitoring salt intrusion in the Rhine-Meuse Delta

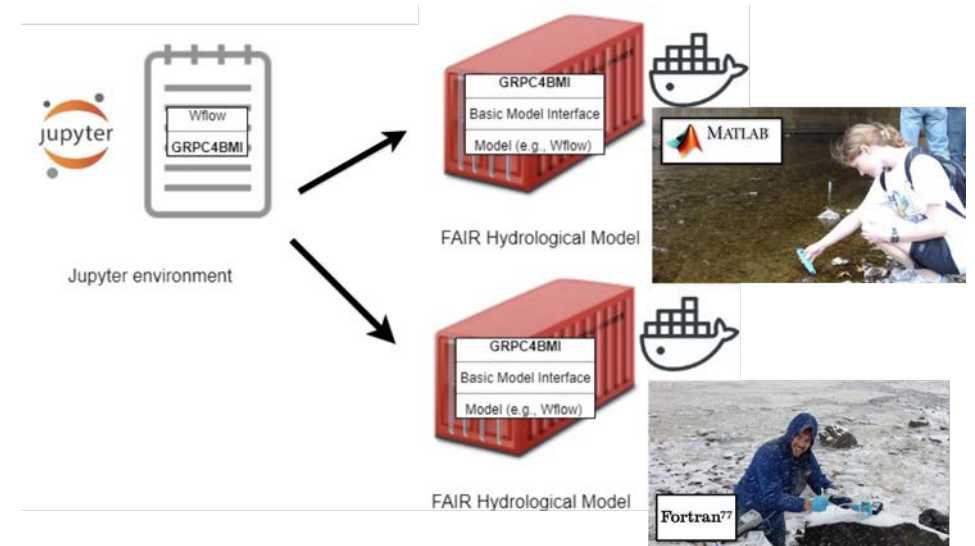


eWaterCycle

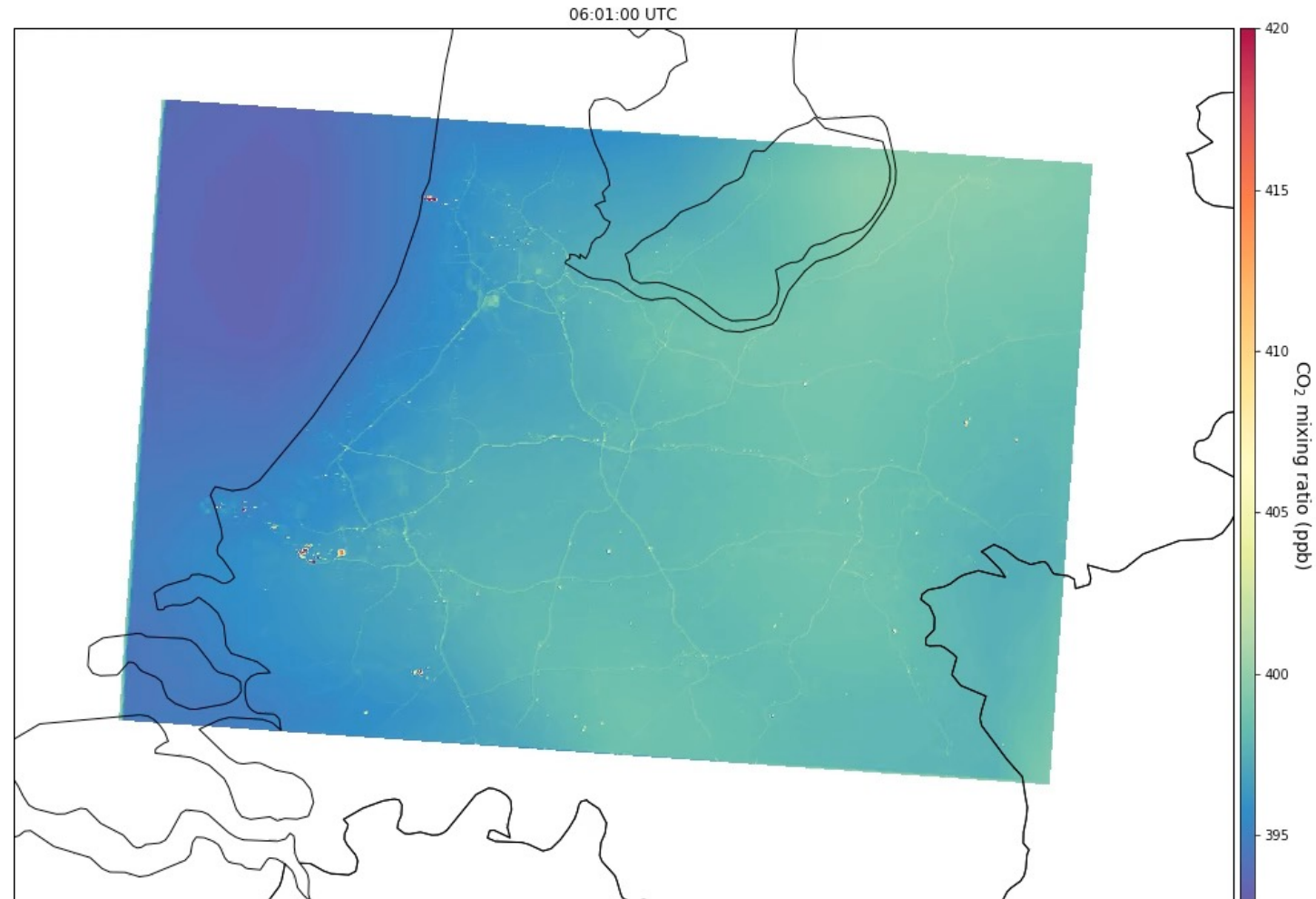
Hydrology:
many models
describing processes



interact with
existing models on
common platform



Assimilating observations of the Ruisdael Observatory



Policy support

All ongoing work involves coupled natural systems and **decisions about human interventions**. To support these decisions:

- Negotiation simulation lab
- Game Lab
- Workshops at the Lorentz Center: “Climate Risks for Infrastructure in Deltas” and “Digital Bastards for a Resilient Delta”





Thank you