

Digital technologies to enable a step change in the modelling and collaborative development of national-scale flood mapping

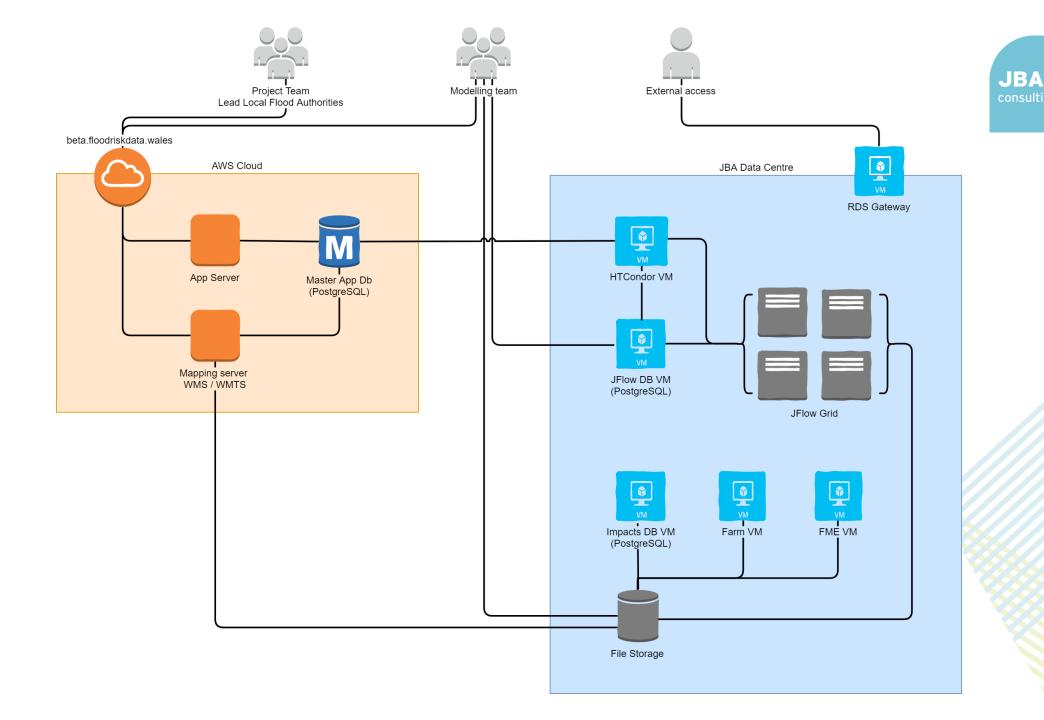
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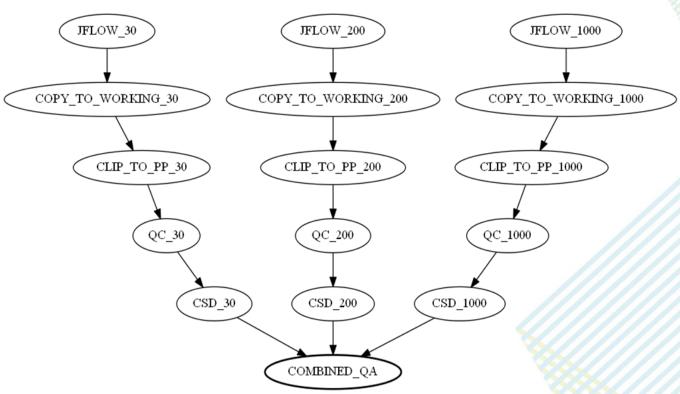
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Rapid model processing

- HTCondor workload management system
- Manages 350(ish) GPUs
- Processes ≈500,000 models per month
- Flexibility through directed acyclic graph (DAG) jobs



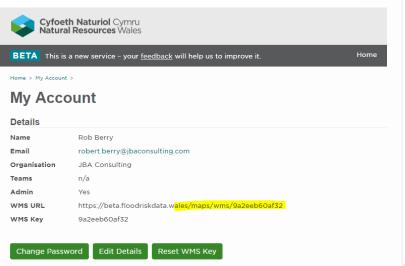


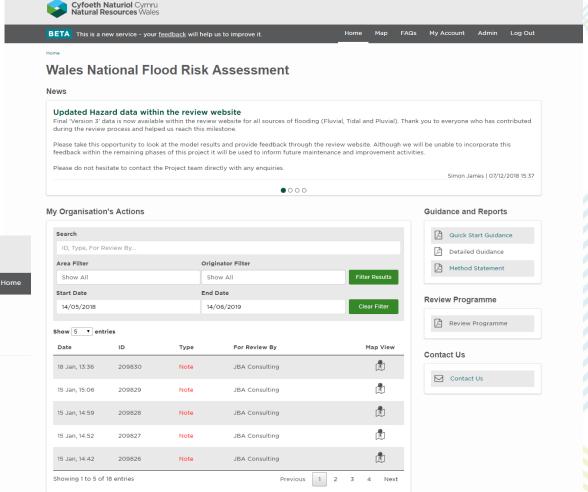




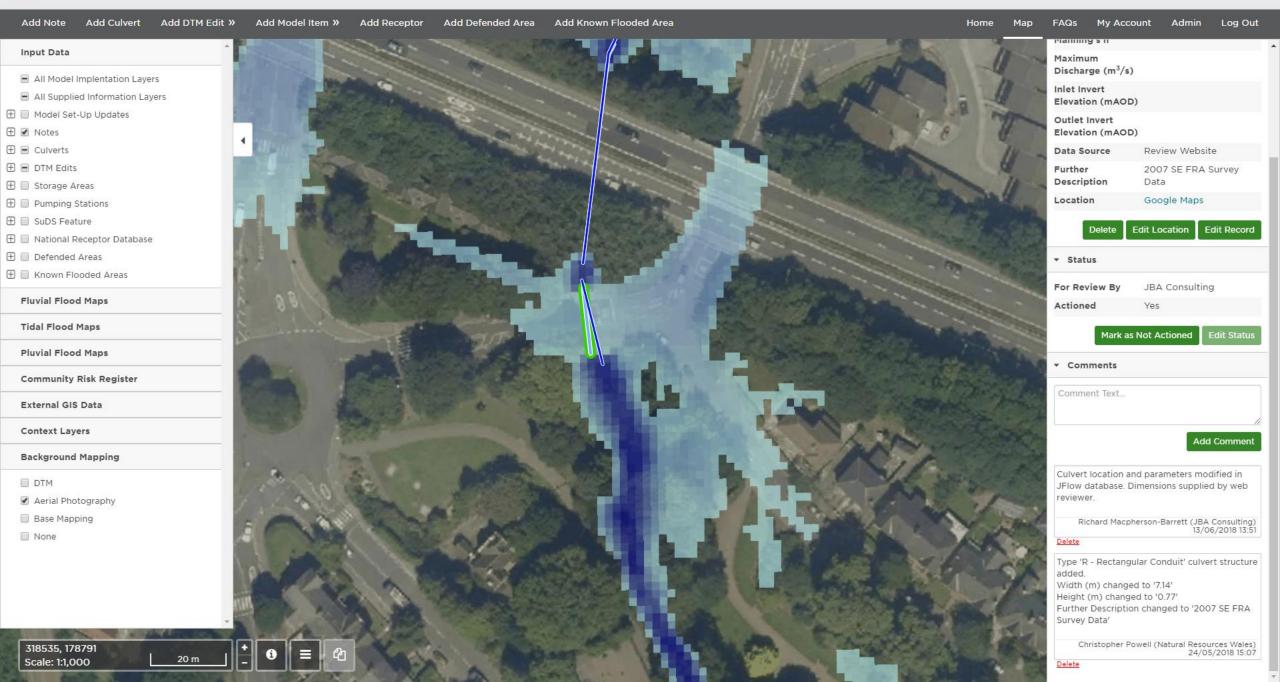
Communicating with partners

- Results presented to partners through web and geospatial services
- News and dashboard of changes

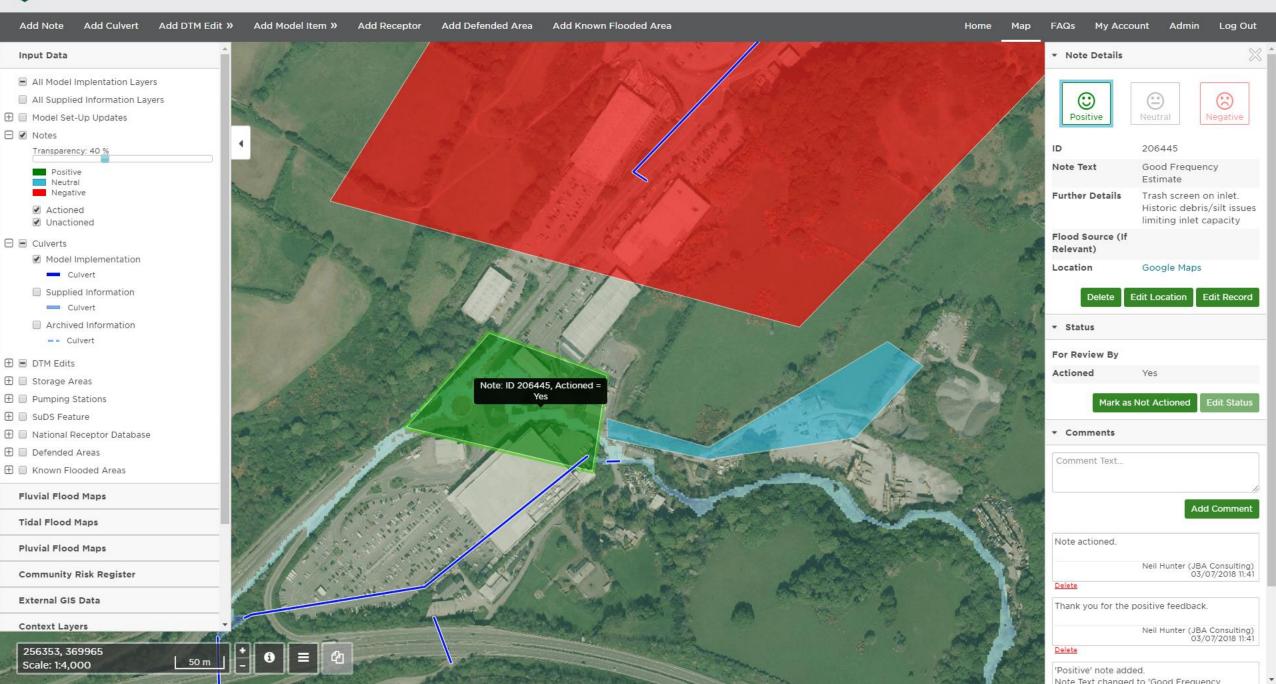








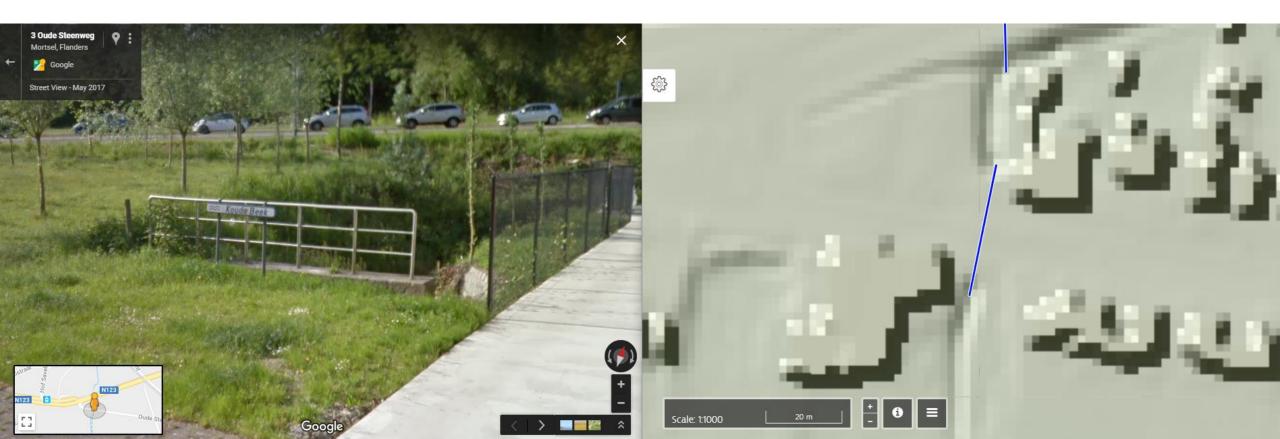






Next steps

- Machine learning (ML) for detecting physical features
- ML for initial model QA (flags and re-runs)





Thank you Contact me for more information

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