





TRE-FX Mid-Driver Projects Showcase

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Progress update and next steps







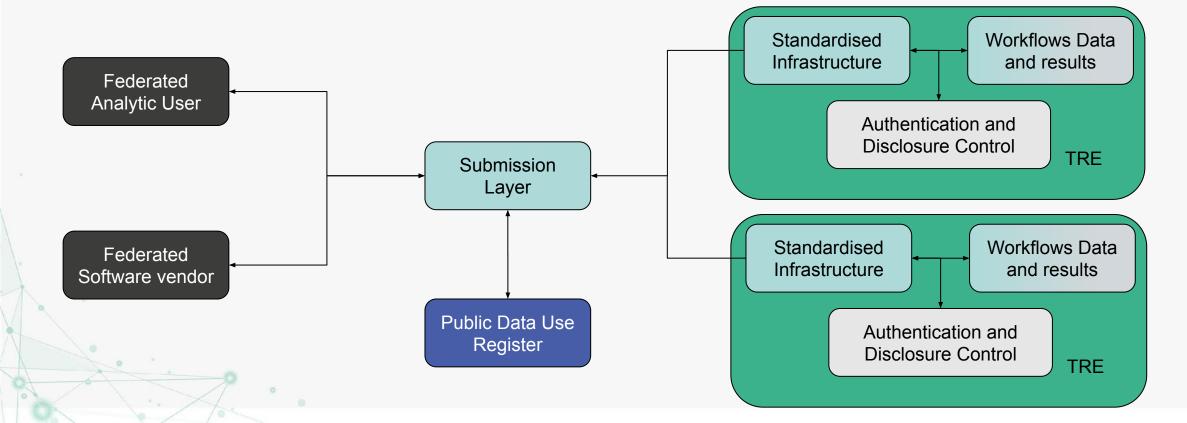
TRE-FX refresh:

Out of scope

Existing Tech

Under Development

TRE-FX seeks to provide a standardised method for information flow for TREs







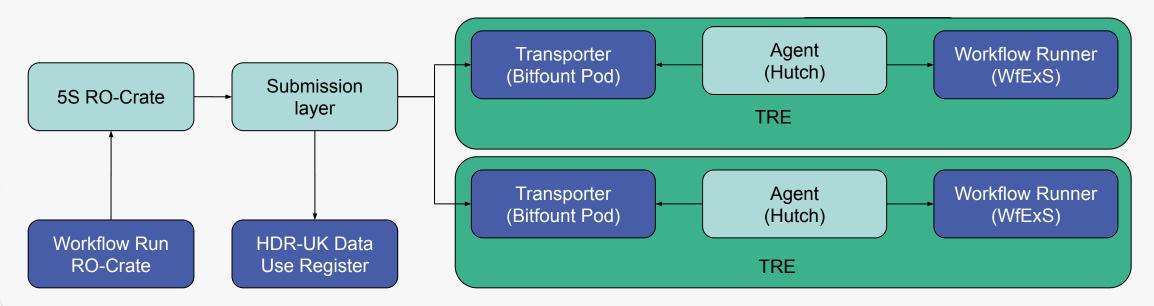


Reusing open technologies:



Under Development

TRE-FX is re-using technologies to accelerate development













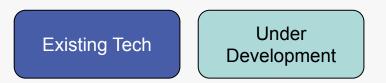


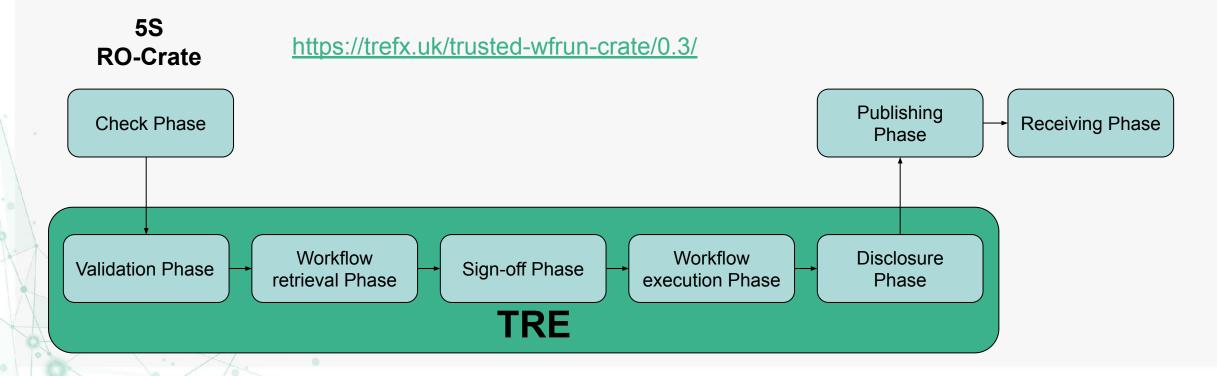






Creating standards:



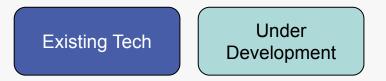


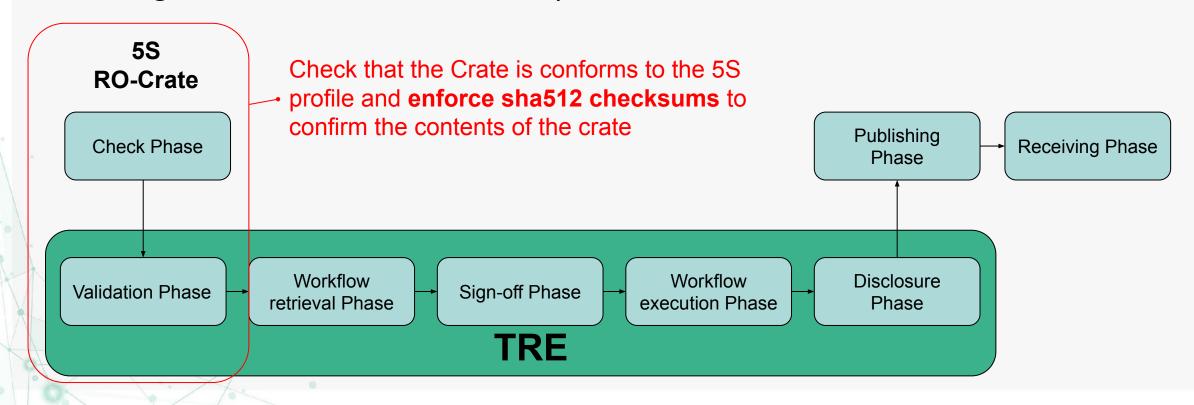






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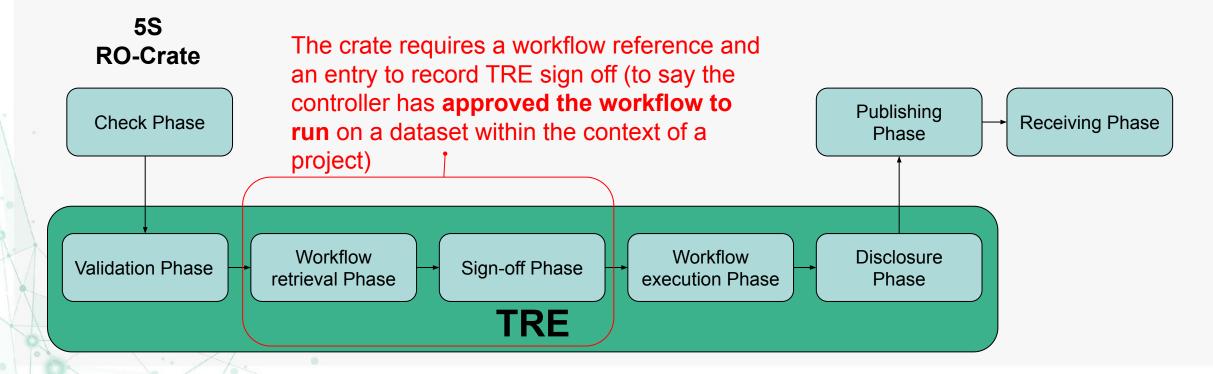






Creating standards:





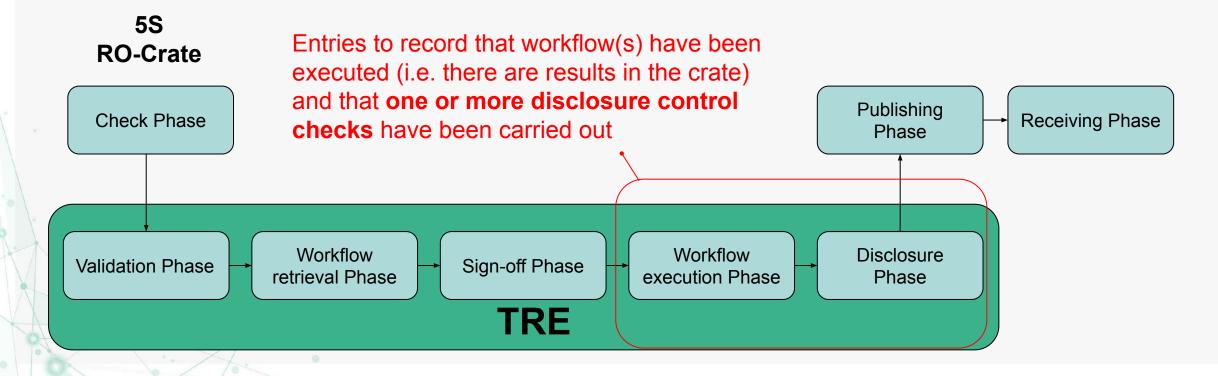






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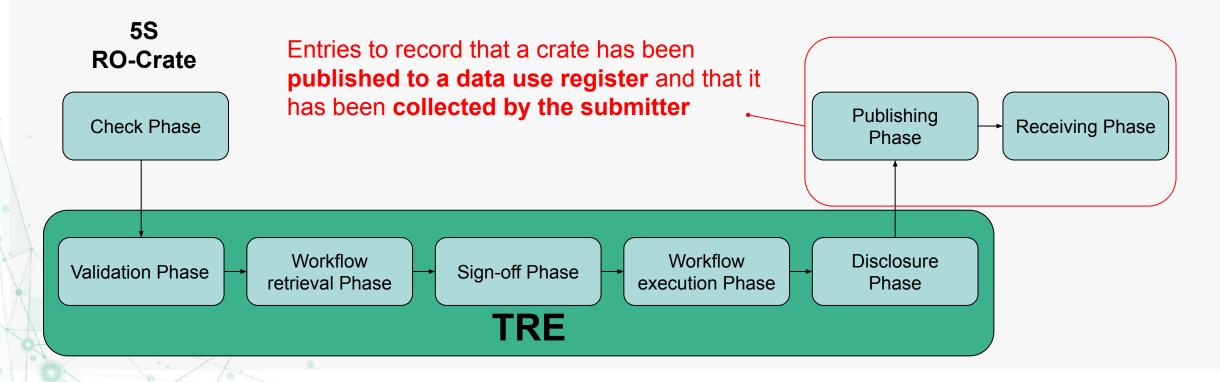






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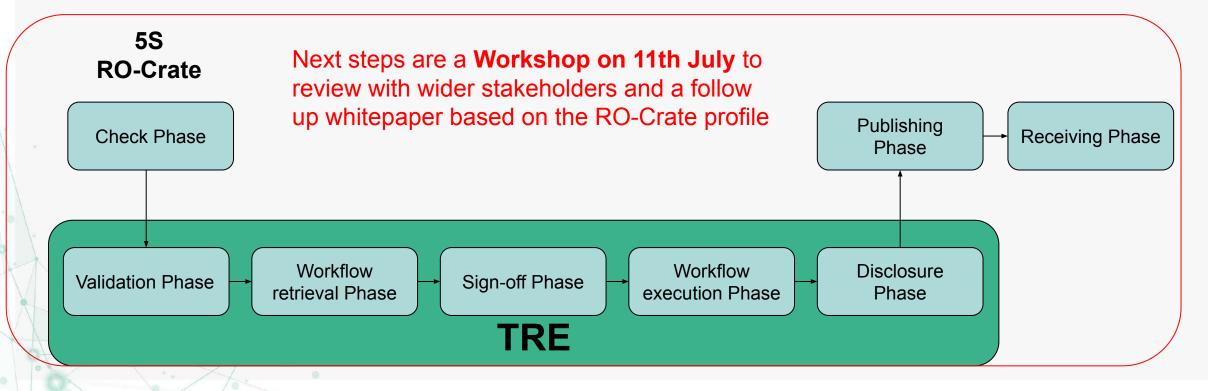






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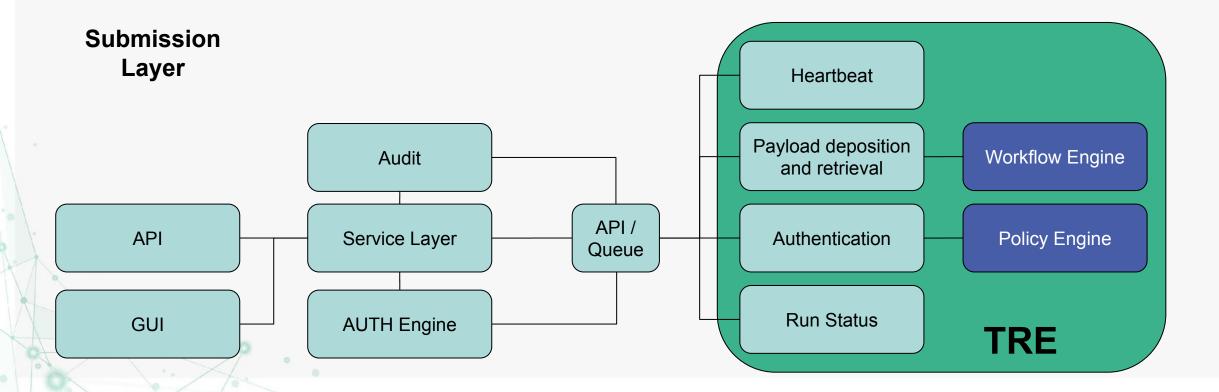






Driving usability:





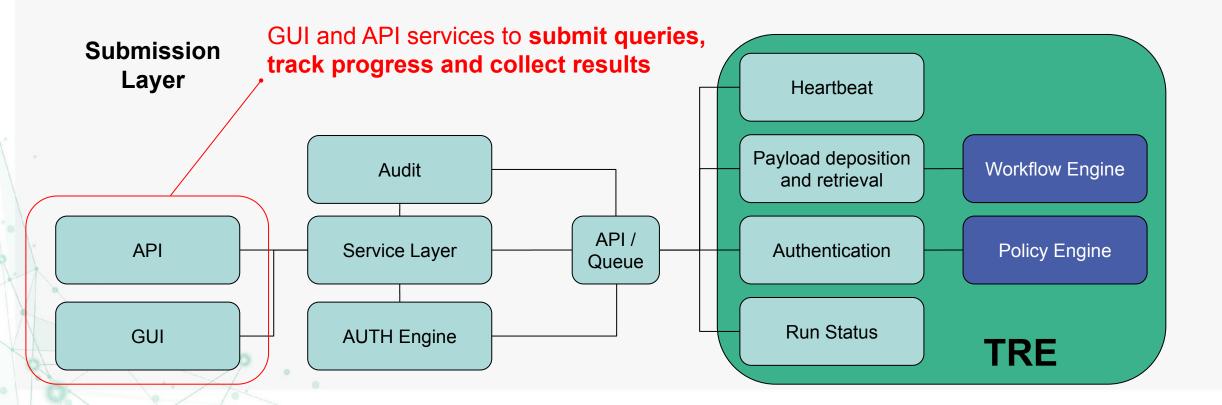






Driving usability:





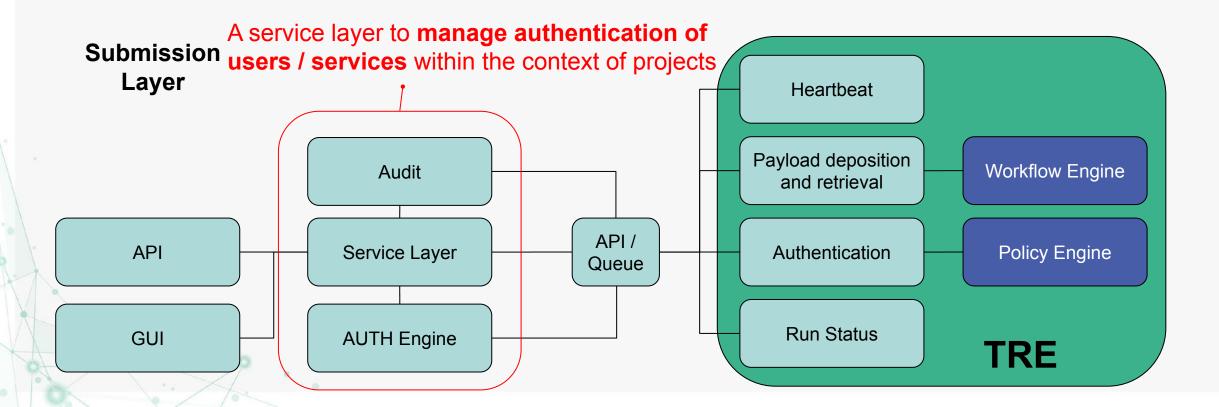






Driving usability:



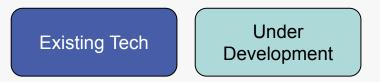


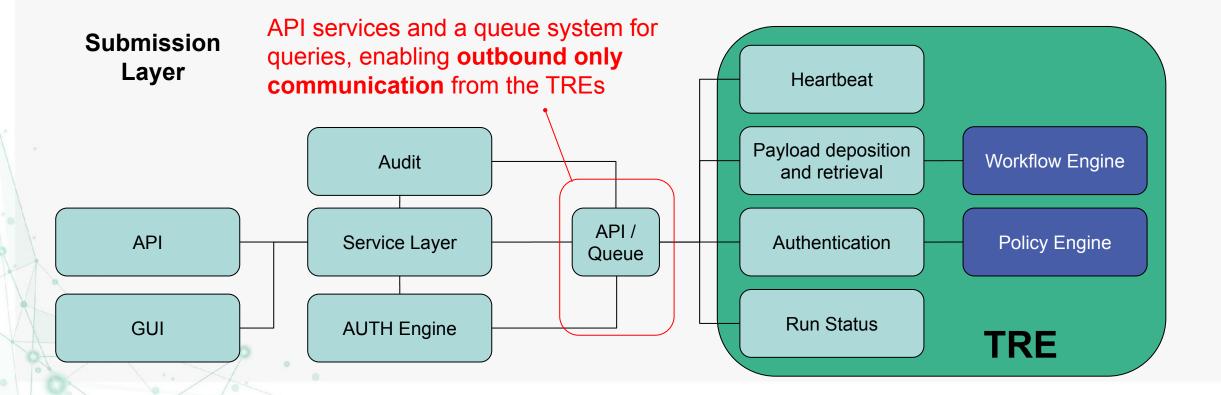






Driving usability:





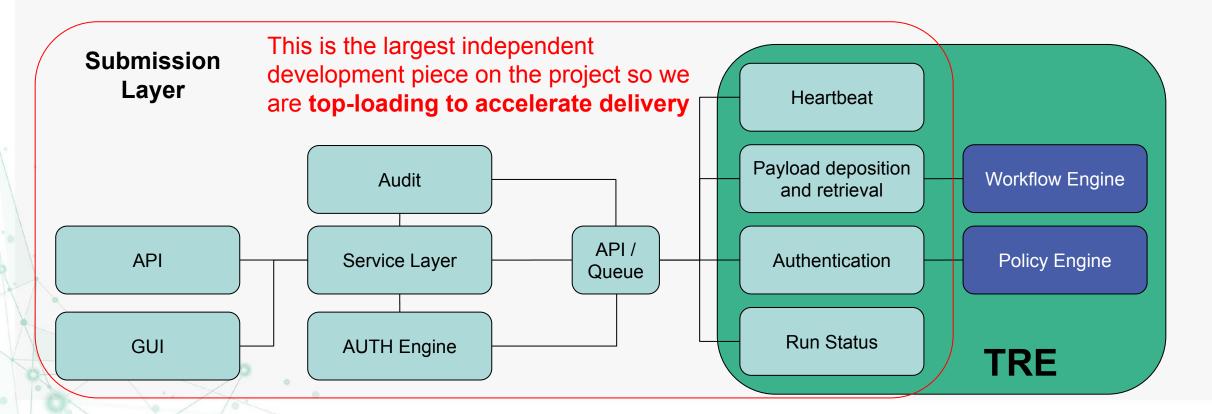






Driving usability:







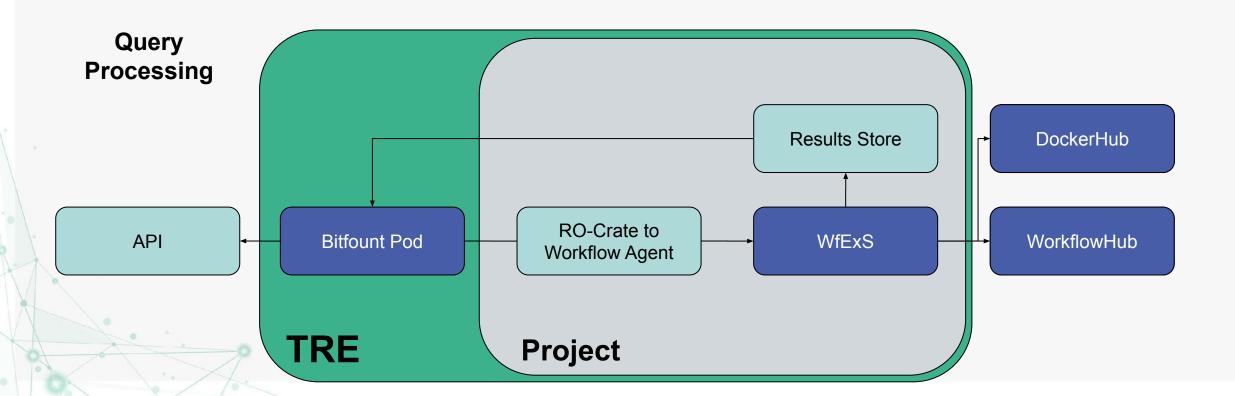




Driving interoperability in TREs:



At a recent hackathon we tested our end to end pipeline for the HUTCH TRE toolkit







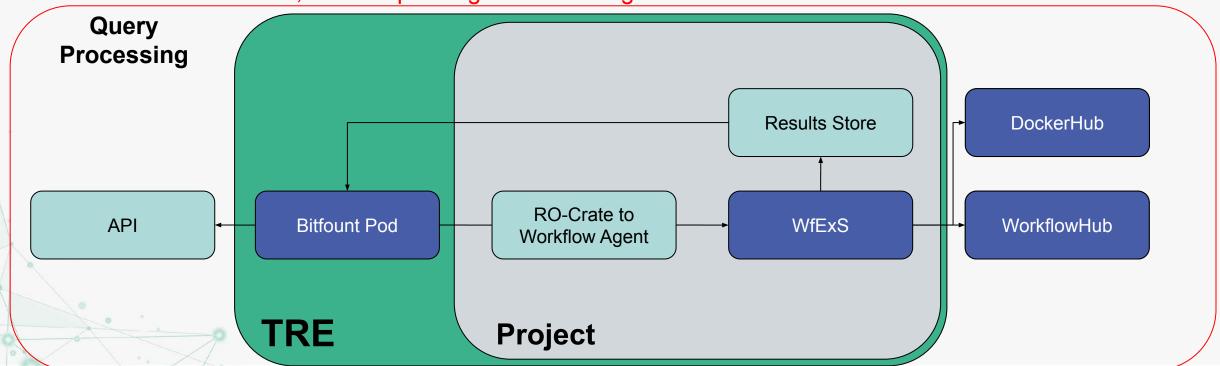


Driving interoperability in TREs:



At a recent hackathon we tested our end to end pipeline for the HUTCH TRE toolkit

We now have the pipeline **running on multiple VMs, end to end**, outside of a TRE, Next step is to get this working within the four TRE environments

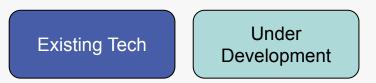








Driving interoperability in TREs:



At a recent hackathon we tested our end to end pipeline for the HUTCH TRE toolkit

All TREs have agreed to use **Nexus** for local workflow and container management Query **Processing NEXUS Results Store Container Registry RO-Crate to API** WfExS Workflow Store **Bitfount Pod** Workflow Agent **TRE Project**







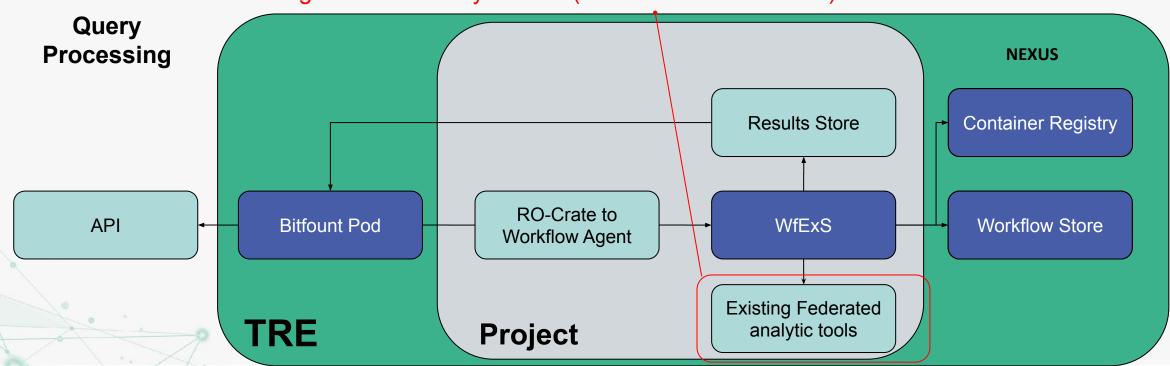
Driving interoperability in TREs:



Under Development

At a recent hackathon we tested our end to end pipeline for the HUTCH TRE toolkit

We need to **test the implementation of the workflows** that interact with the existing federated analytic tools (Datashield and Bitfount)









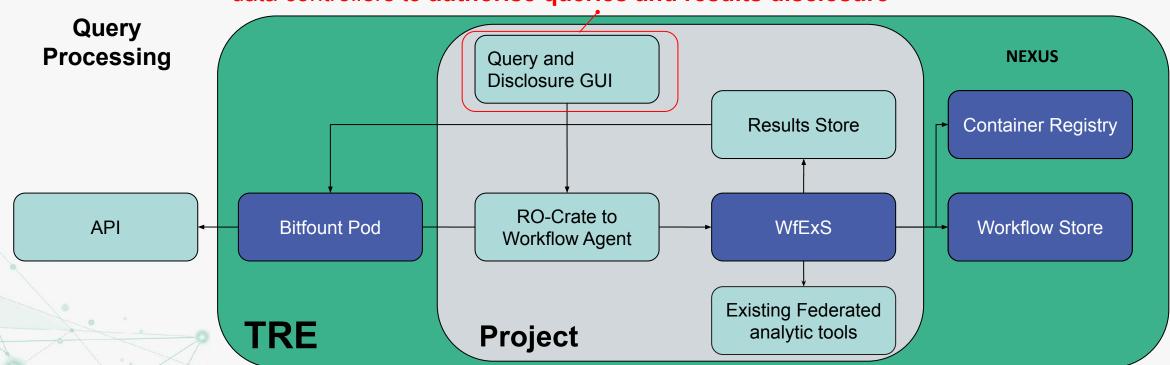
Driving interoperability in TREs:



Under Development

At a recent hackathon we tested our end to end pipeline for the HUTCH TRE toolkit

We need to **re-develop the hutch GUI** to view the RO-Crates and allow TRE data controllers to **authorise queries and results disclosure**









PPIE plans and current activities







Realising the importance of Public trust in TRE-FX:

PPIE is embedded as a primary objective of the project

Team meetings chaired and led by PPI Lead

Alignment with other PPIE programmes







Planned activities to engage the public:









Current progress:

Explainer
brochure for PPIE
workshop
participants in
final review

Transcript for a federated analytics explainer video now in final review

Cross project
Glossary of
Terms - draft in
review for
TRE-FX

In discussion
with other
project teams to
coordinate
activities







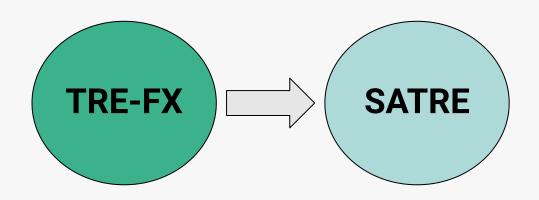
Collaborations, questions and challenges







Collaborations between TRE-FX and other driver projects:



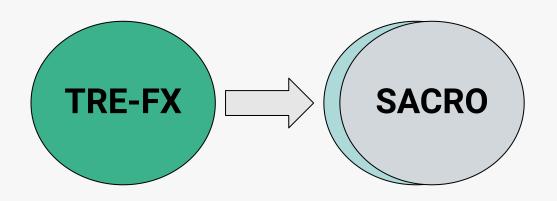
- TRE-FX Fed back directly to the SATRE reference architecture draft
- TRE-FX and SATRE to share a common glossary of terms
- TRE-FX team attendance at the SATRE workshops and collaboration cafes







Collaborations between TRE-FX and other driver projects:



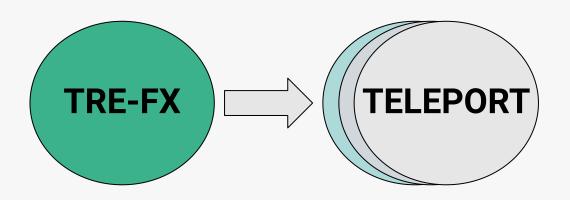
 TRE-FX are aiming to include SACRO checking of research output as a component within the reference architechture







Collaborations between TRE-FX and other driver projects:



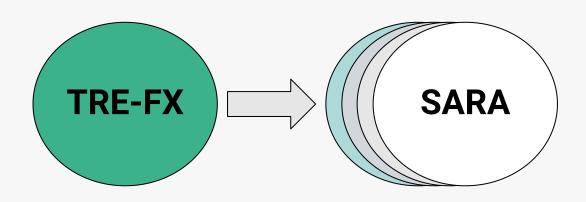
- PI and CO for the Teleport project are part of the TRE-FX team
- The projects are exploring alternative approaches to Federated analytics so little space for collaboration







Collaborations between TRE-FX and other driver projects:



- TRE-FX works architecturally independent from the SARA disclosure control toolkit
- We would like to include in our 5S
 Crate the capacity to include
 workflow level records of disclosure
 control processes that have been
 actioned on data







Main Challenges:

Architecture

Differences in supported infrastructure and tools

Adoption

Everyone's current implementation of the five safes is different

Standards

Different governance models and processes







What we need from you:

Engagement and promotion of the 5S RO-Crate workshop on the 11th July

https://www.eventbrite.com/e/approaching-five-safes-with -tre-fx-trusted-workflow-run-crate-tickets-652679852007







Thank you for listening