



InfoPack

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Funded by
the European Union

raise-science.eu

Project name: Research Analysis Identifier System

Start date: 1 October 2022

End date: 31 January 2026

Coordinator: Aristotelio Panepistimio Thessalonikis

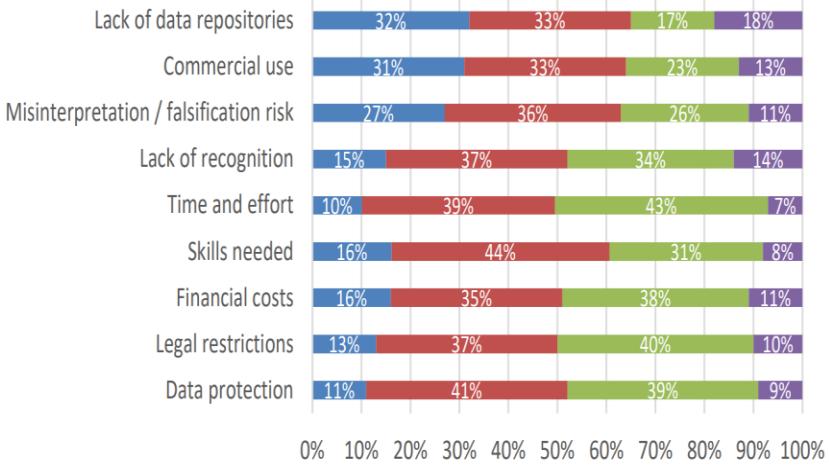
Technical Representatives

Evdokimos Konstantinidis & Despoina Petsani
Aristotle University of Thessaloniki

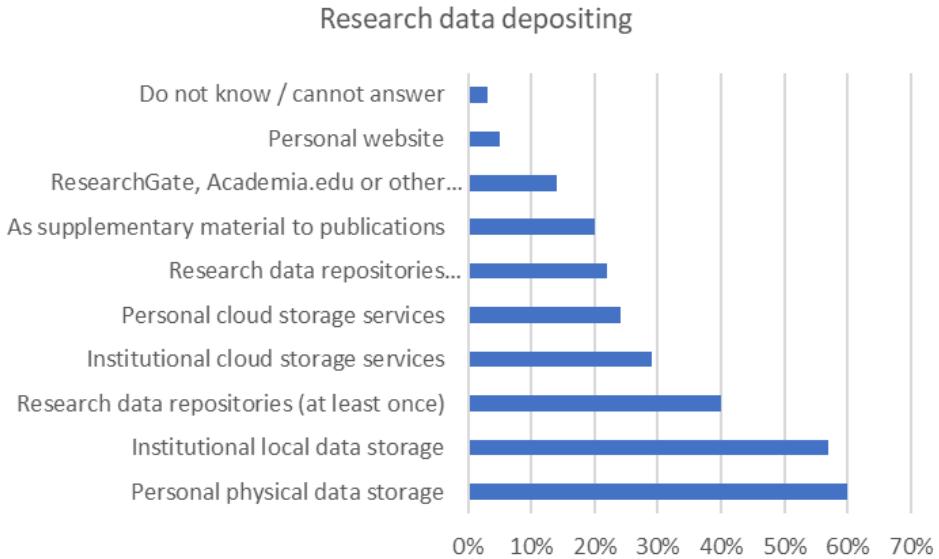
Gorka Epelde
Vicomtech



RAISE project aims to provide the **mechanisms for a distributed crowdsourced data processing system, moving from open data to data open for processing**. To do so, RAISE will attempt to adapt open data to the culture of the research community, ensuring FAIR principles. The vision of the project is the EOSC Web of FAIR Data and Services for Science is an open, fair and reliable Research Community where **every researcher will be accredited for their work and all research data will be equally accessible for processing** without violating data protection regulations.



■ To little or no extent ■ To some extent ■ To a large extent ■ Do not know / cannot answer



RAISE works on moving from open data to data open for processing

the value of data is in processing them and not just in owning them

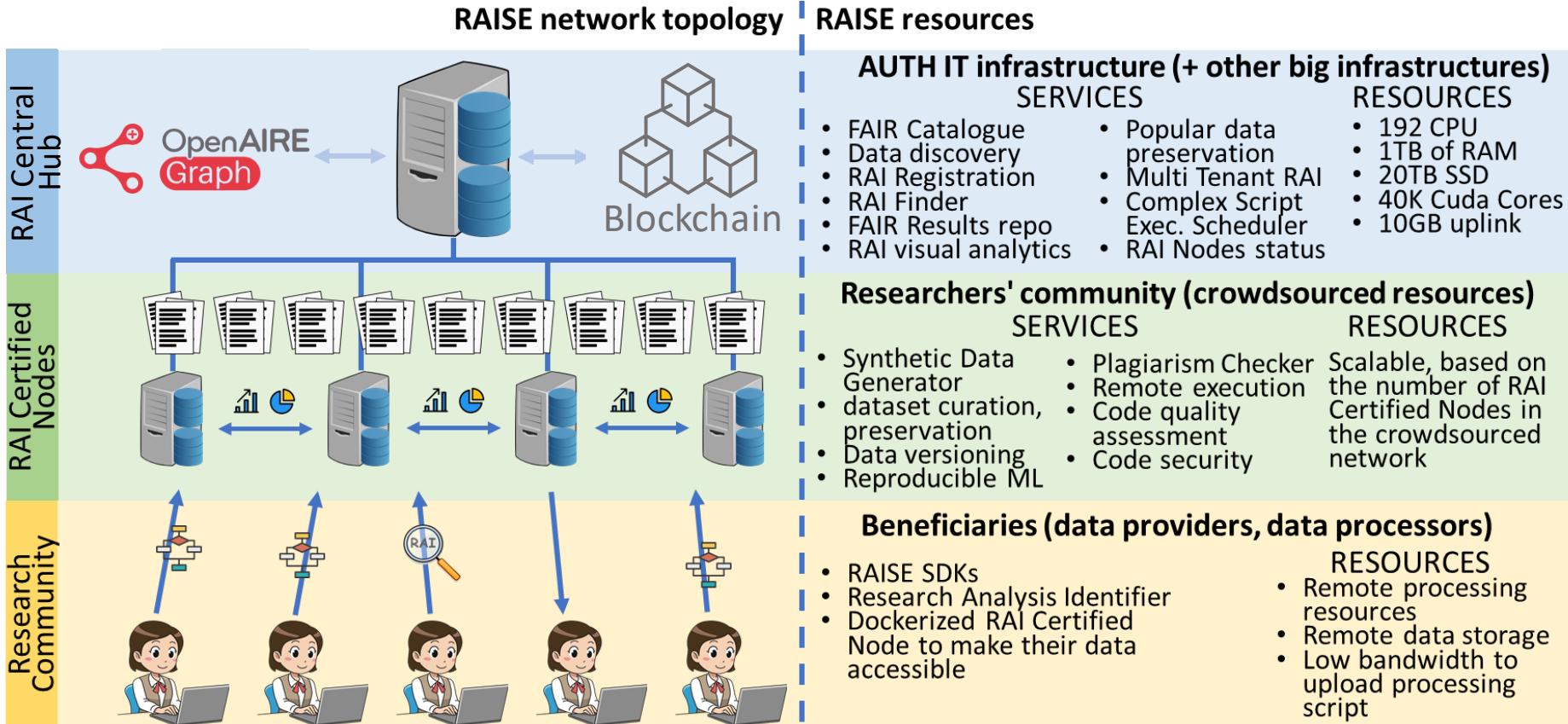
Source: European Commission, Directorate-General for Research and Innovation, European Research Data Landscape : final report, Publications Office of the European Union, 2022, <https://data.europa.eu/doi/10.2777/3648>

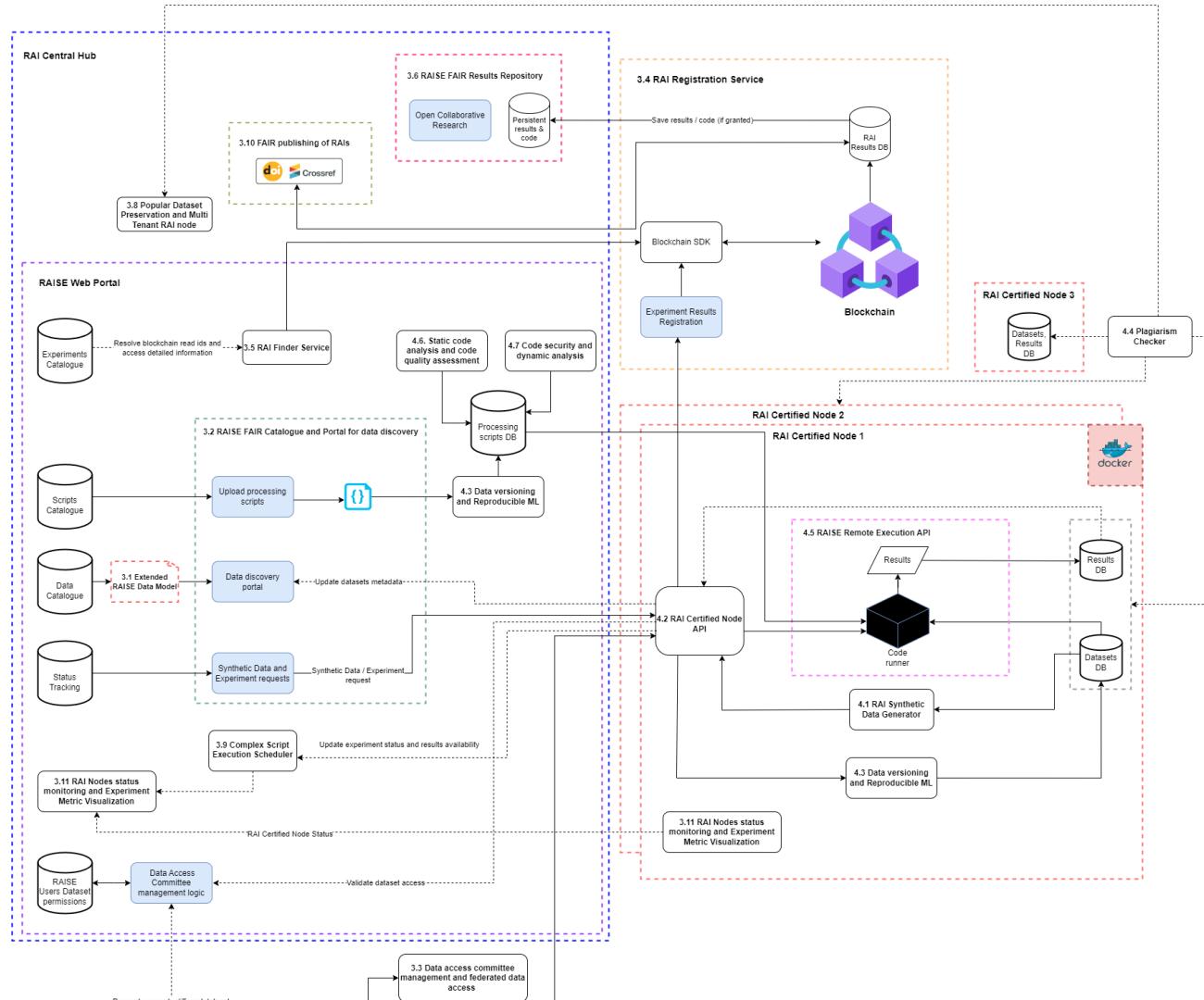
Algorithm to data

- **RAI Central Hub**
 - Main entry point Portal
 - Open Science Community integration
 - Blockchain connector for reproducibility
 - Scalability & preservation
- **RAI Certified Node**
 - Data kept private
 - Synthetic / small version for researcher
 - Scripts running logic



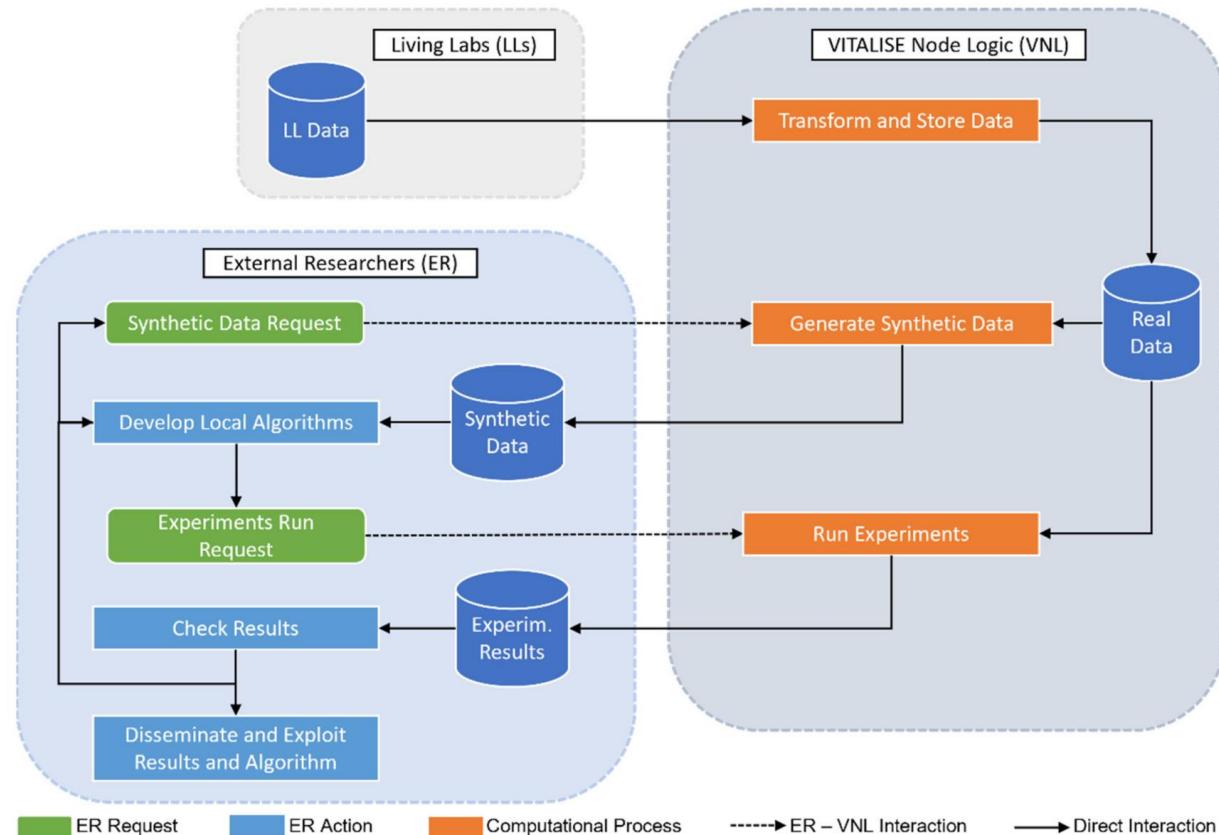
High Level Components



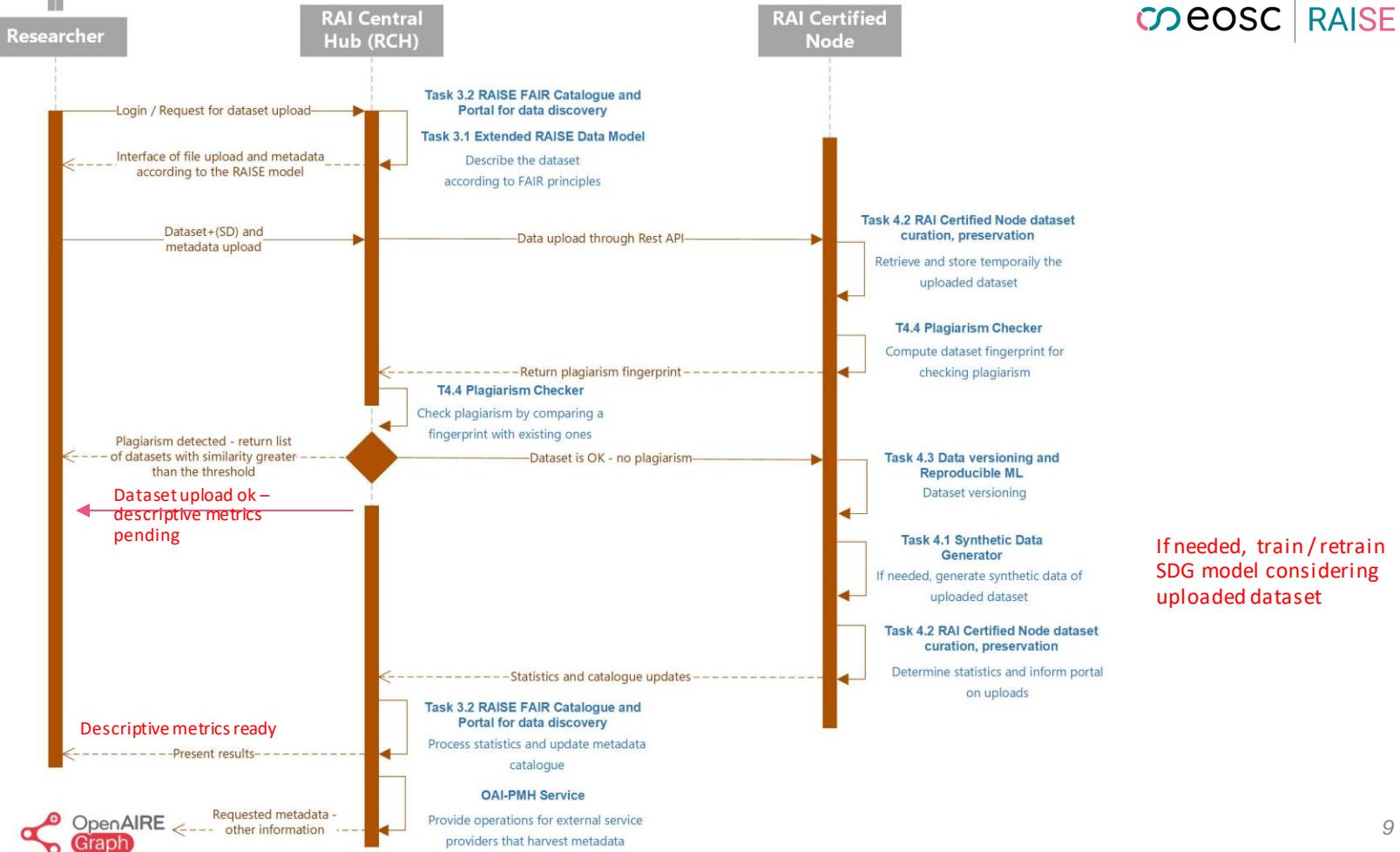




Short concept intro from VITALISE

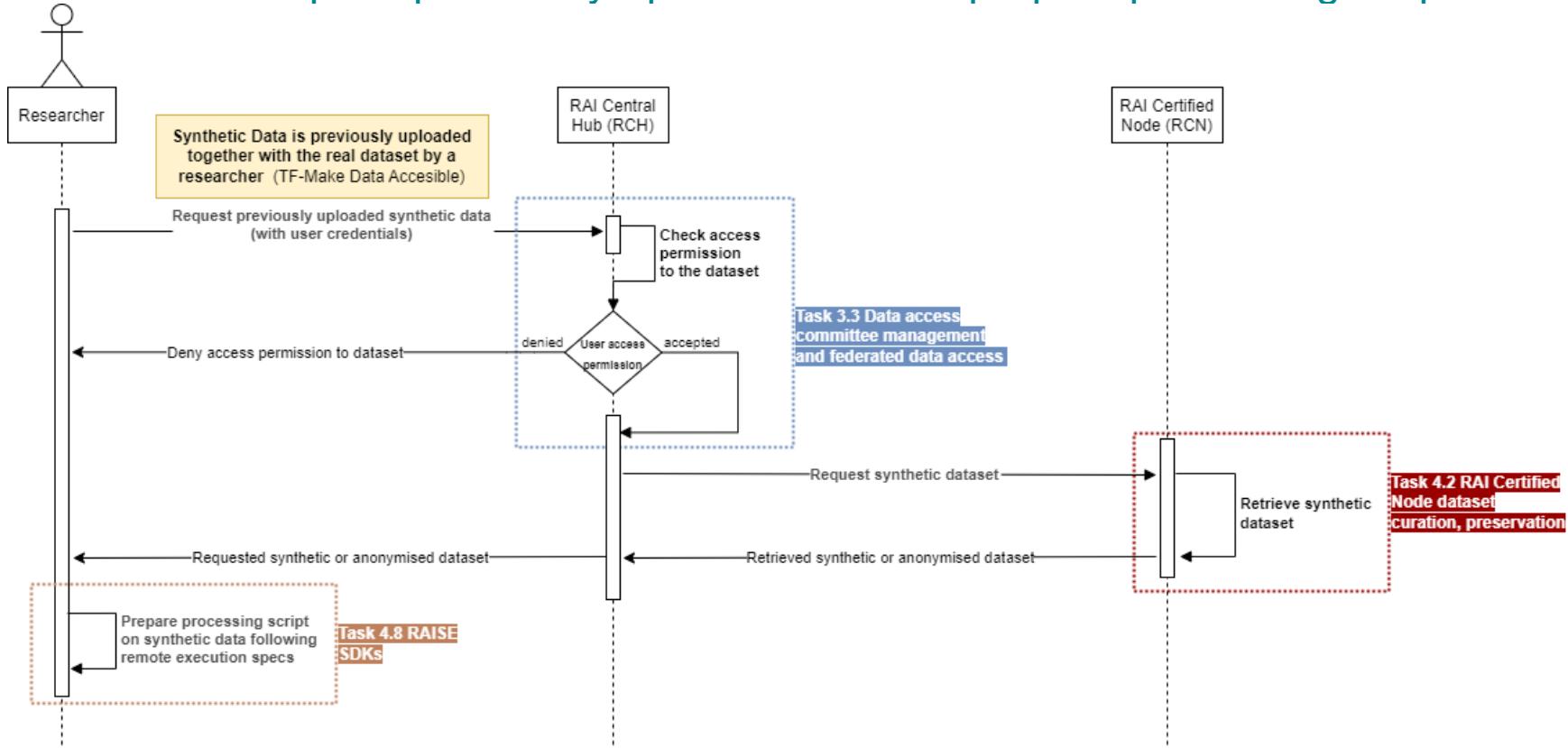


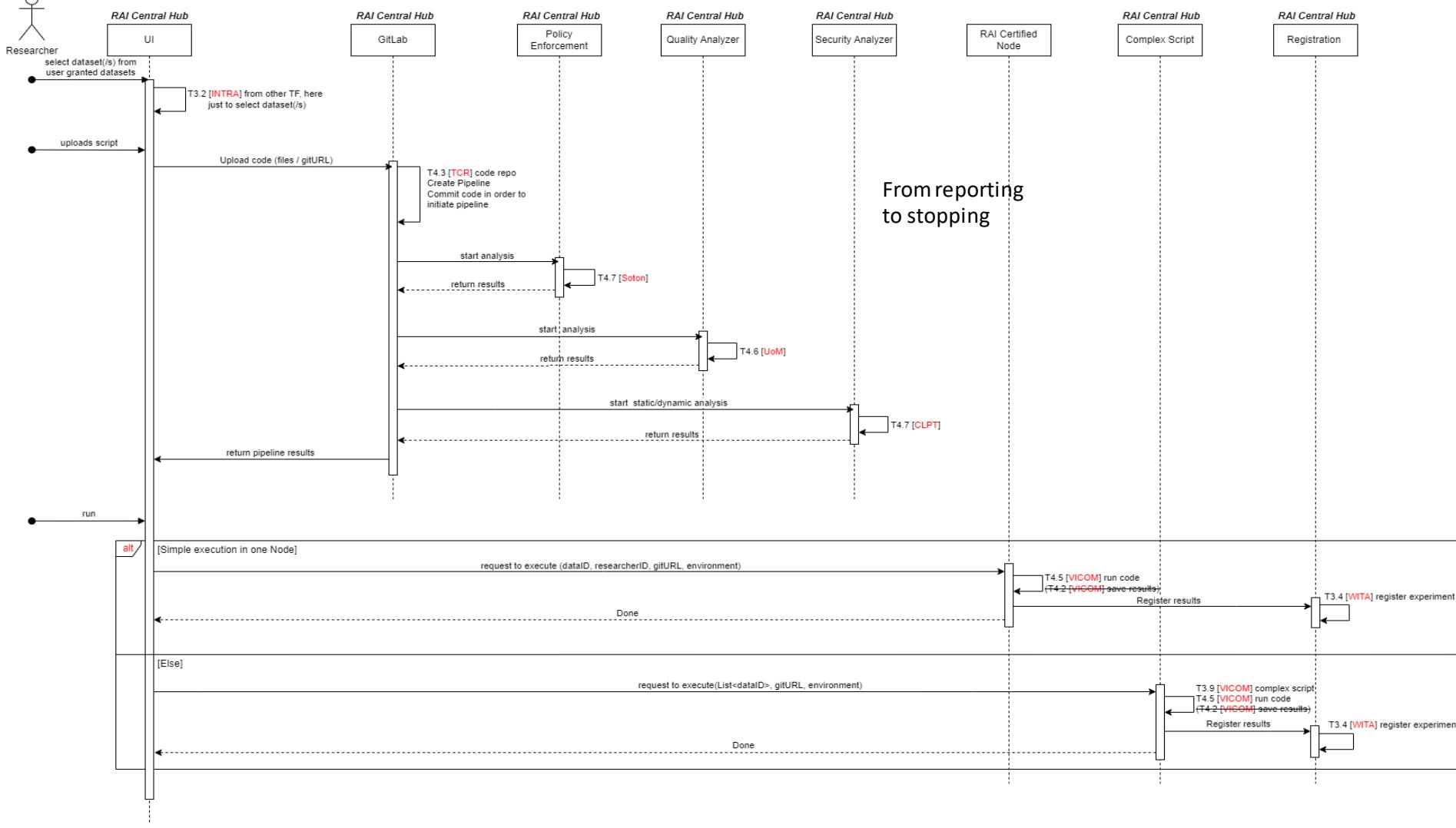
Make data accessible – Workflow new



Prepare processing on synthetic data

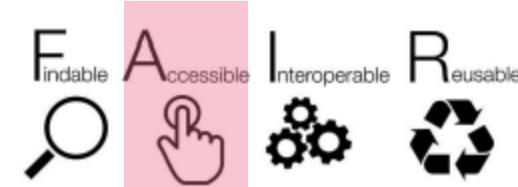
Workflow – Request previously uploaded SD and prepare processing script with it





RAI Central Hub Services

- Complex Script Execution Scheduler
 - Orchestration of experiments involving datasets from multiple nodes.
- Multi-Tenant RAI Node
 - Replica of a RCN hosted at RCH
 - Service for Popular datasets
 - Specific + researchers uploaded datasets
- Nodes Status Monitoring and Experiment Metric Visualisation
 - Collect and analyse node & experiment metrics
 - Visual analytics for policy – usage insights
 - Research quality & impact indicator



RAI Certified Node Services

- RAISE SDKs
 - Make features of the RCN Remote script execution API transparent to the researchers
 - Visual Studio Plugin
- RAISE Remote execution API
 - Execution of researcher scripts against the source + complete datasets
 - Combined with quality & security check

