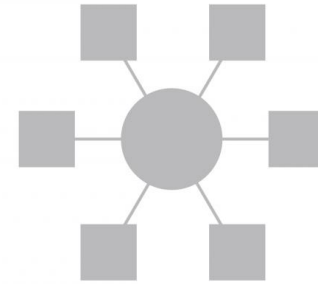


Data analysis, integration and stewardship

Highlights session 12-Apr-2021

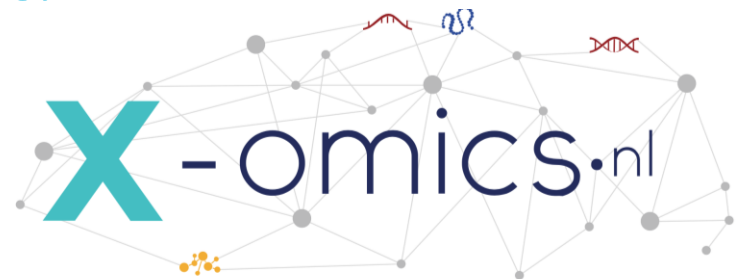


Data analysis, integration and stewardship

Introduction pillar activities: FAIR omics data at the source (Peter-Bram 't Hoen, RUMC)

The role of proteogenomics in understanding molecular mechanisms of COPD (Peter Horvatovich, RUG)

The value of ultra-sensitive Simoa[®] technology for non-invasive biomarker research (Paula Perin, Quanterix)

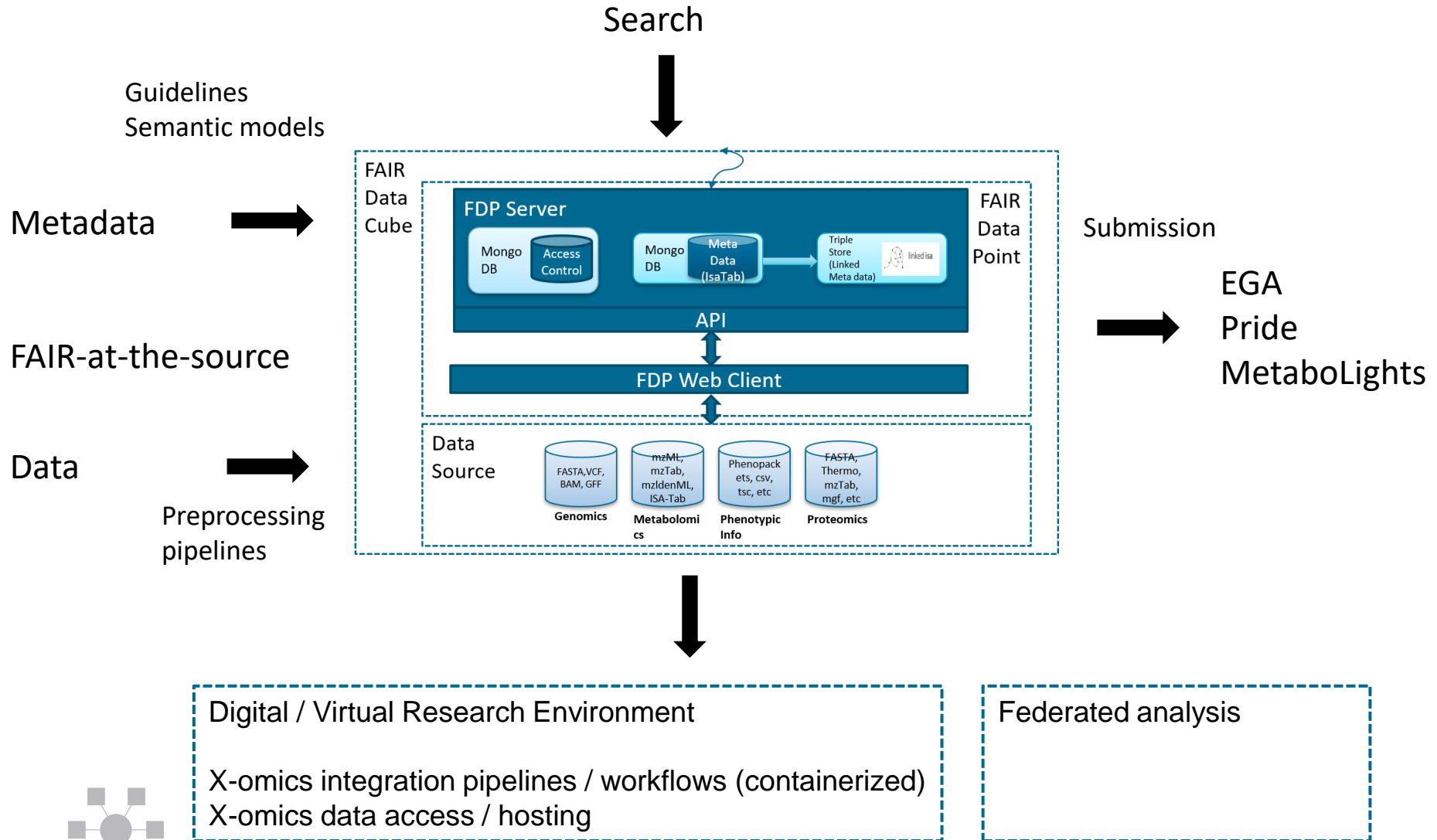


Main objectives

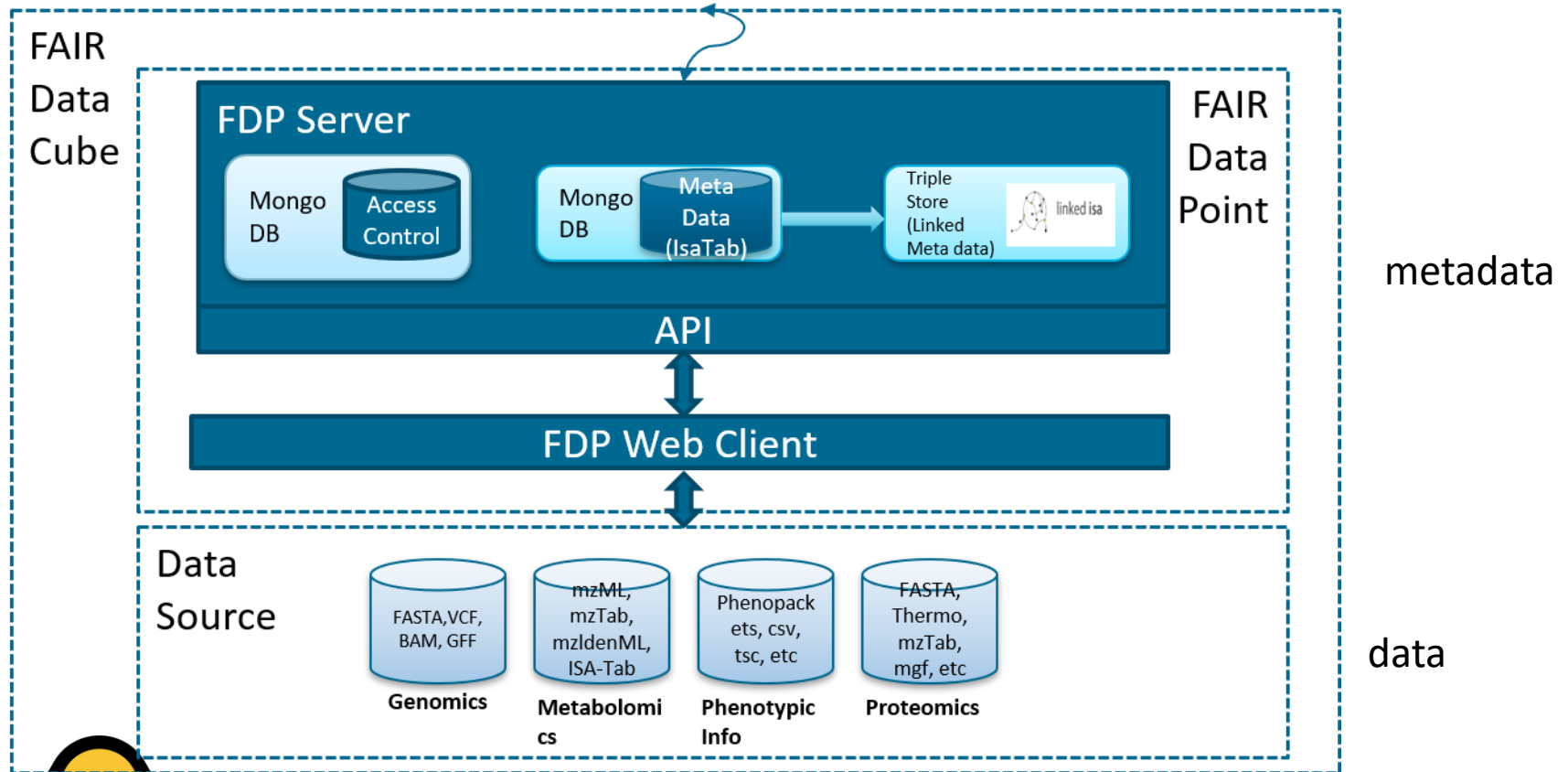
- Facilitate research of X-omics community
 - X-omics data FAIRification
 - X-omics data analysis and integration
- Develop guidelines, tools, workflows, (cloud) environments
- Demonstrator projects to develop and illustrate
 - ACTION demonstrator (methylation and metabolomics)
 - COPD demonstrator (transcriptomics and proteomics)



X-omics infrastructure development



FAIR data cube



metadata

data



Questions and discussion

