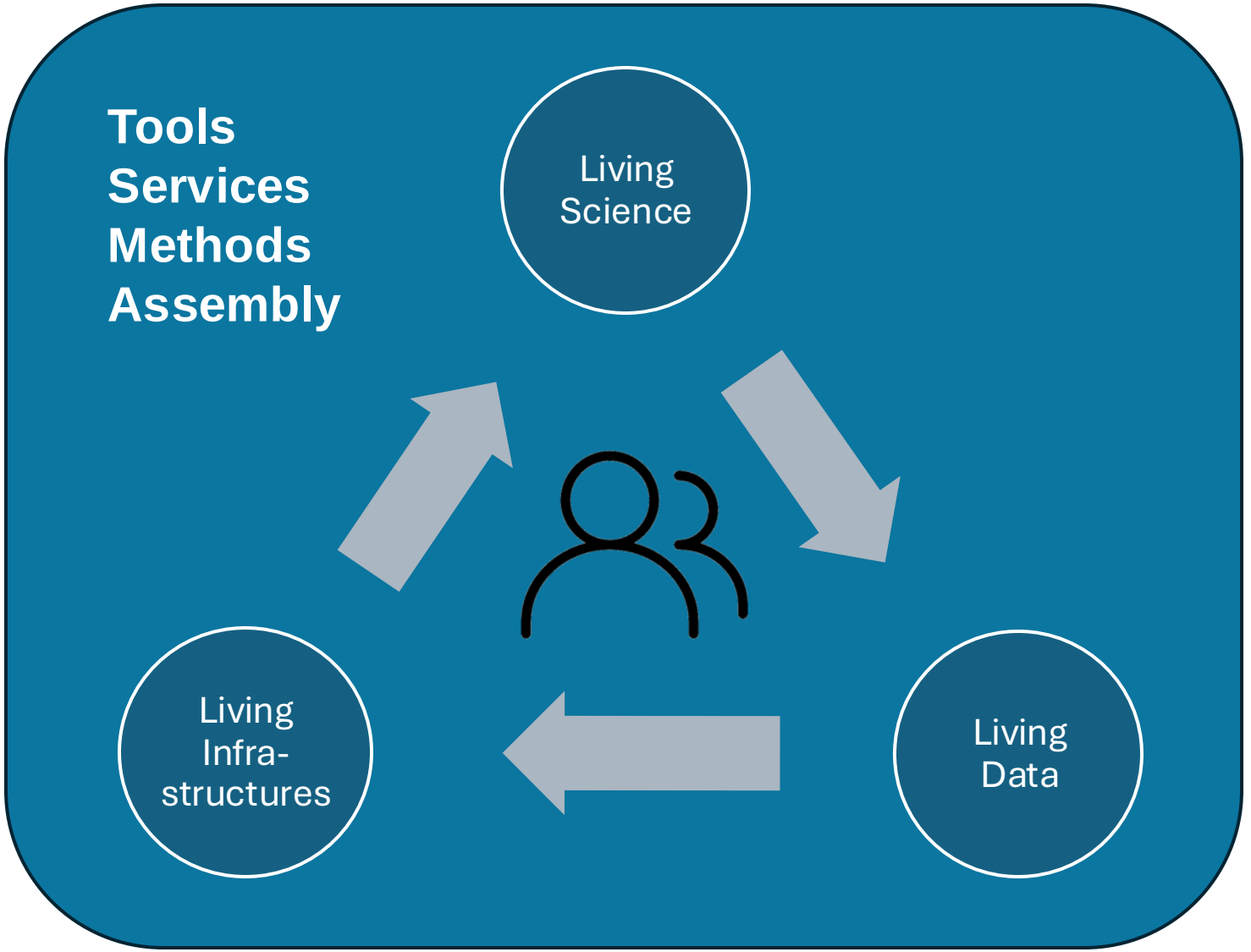
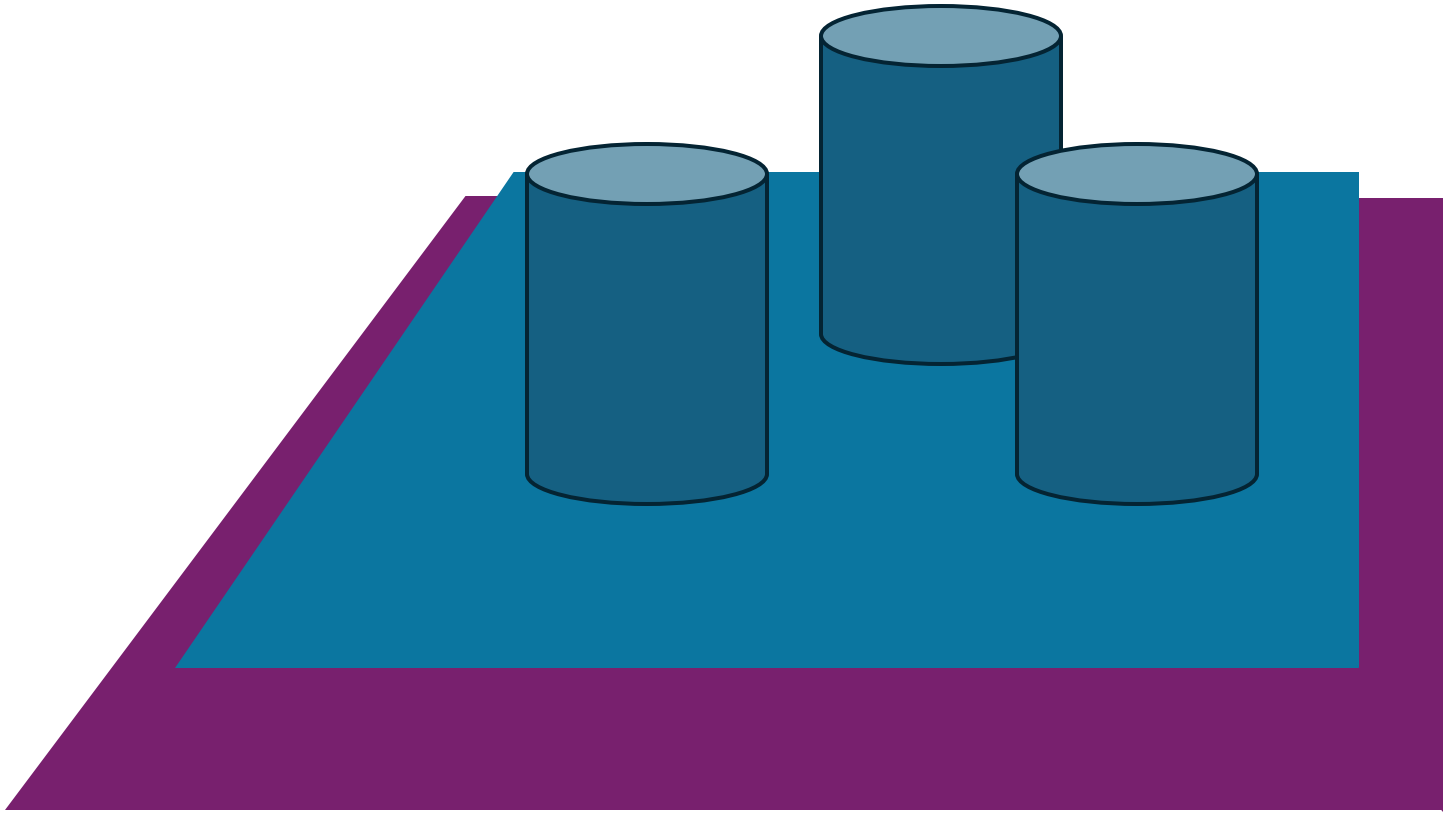
- Software as a service
- ML as a service
- Curation
- …
- …



- User interfaces
- Sustainability
- AAI
- Storage
- Compute

Use case criteria to be considered

Which elements do they involve? Connection to TA / pillars and
requirements on them
Which problems do they solve?
Which gaps do they fill?
How could they be generalized /
what is generic?
End-to-end FAIR use case?
Connection to DRP? – a digital output of a research process (which category: publication, data set, software, …)
How is the use case viewed from outside of PUNCH?
Define input – procedure – output? Specify workflow.
Operation model? - what is required for the use case, and how to organize that?
Sustainability?

Use Cases

key4HEP-based workflows for future collider-based and other experiments - Ph.D. / master thesis? - Identify with Joe's "HEP" use case	Frank, Philip, Harry
Data generation: Data and workflow management chain for emerging experiments and simulations in PUNCH - relevant: intent – instrument building, simulation running, preparing data for publication	Thomas, Uwe, Manuel, Susanne, Hubert, Gunnar
Pheno interpretation of data (HEP / astro / CERN open data etc. combination) - combine with NHR usage use case / ErUM-Data analysis facilities	Sebastian, Arnulf, Lukas, Joe
AI-based automated generation of workflows	Gregor, Arman, Victoria
Analysis of big data sets, visualization, live interaction – astro / astroparticle	Elena, Markus, Gernot, Christoph, Matthias
Workflow for future observation	Cristina, Christof, Hermann, Jakob, Stephan S., Ramesh