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ESCAPE WP5
ESFRI Science Analysis Platform (ESAP)

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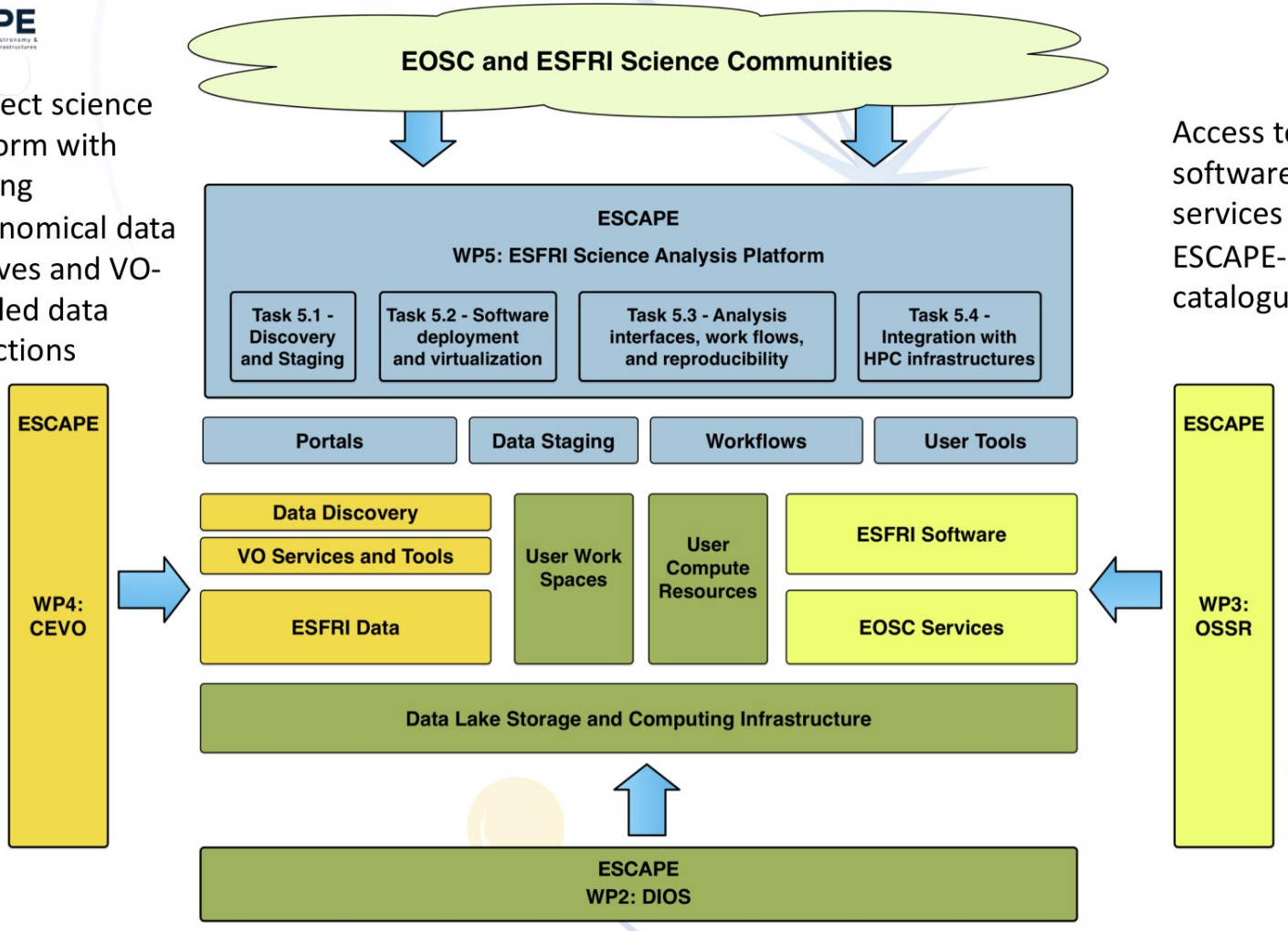
2019-11-14 AENEAS All-hands meeting

Connect science platform with existing astronomical data archives and VO-enabled data collections



Access to software & services in ESCAPE-EOSC catalogue

Integration with Data Lake - distributed computing and storage

Project kicked off in February 2019.

ASTRON is leading WP5:

- 17 partners
- 361 PMs in total

WP5 status update

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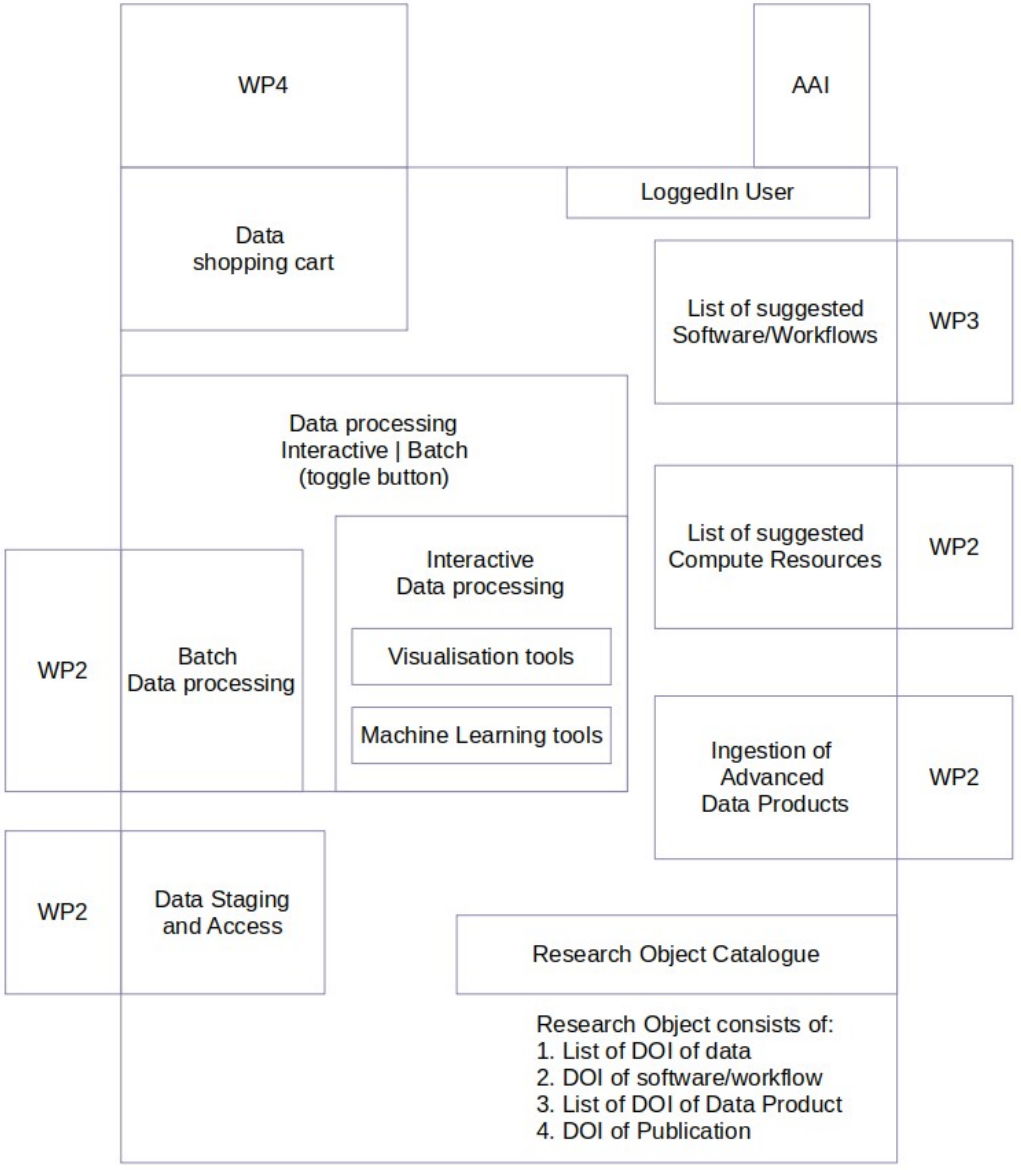
- April 2019: WP5: Use Case Requirements Workshop
- July 2019: Joint WP2 & WP5 F2F meeting
- July 2019: 1st deliverable “Preliminary report on requirements for ESFRI science analysis use cases”
- October 2019: 2nd deliverable “WP5 Detailed Project Plan”



- Collect user stories from ESFRIs
- Translate user stories into functional requirements
- Mapping functional requirements to the list of service components
- Categorize service components and map these into WP5 tasks
- MVP core team: ASTRON, SKAO, Nikhef, UEDIN, CTA, INAF

ESAP Design Principles

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ESAP is a kind of API Gateway, which allow us to provide users a single point entry, and based on the requests, route to the suitable backend services, e.g. DIRAC, RUCIO can be considered as backend service.

Service Categories and leading partners:

- SKAO+CTA: will focus on integration of Rucio and DIRAC
- UEDIN: JupyterHub, Kubernetes, SparkCluster, connection to IVOA
- Nikhef: AAI
- INAF: HPC, DOIs for digital object
- ASTRON: UI + API Gateway