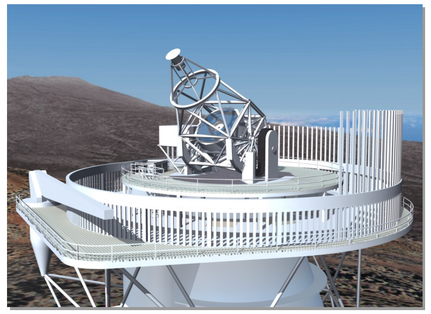
ASTRON
Netherlands Institute for Radio Astronomy

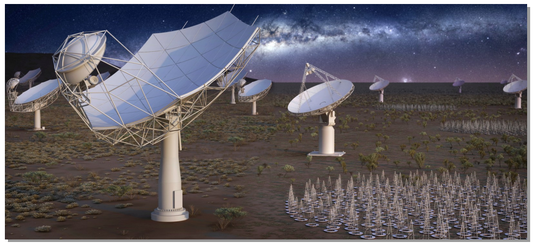
Zheng Meyer-Zhao
ASTRON Science Data Centre Development Lead
meyer@astron.nl

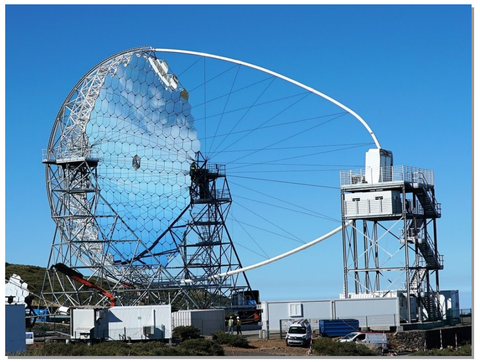
ESCAPE

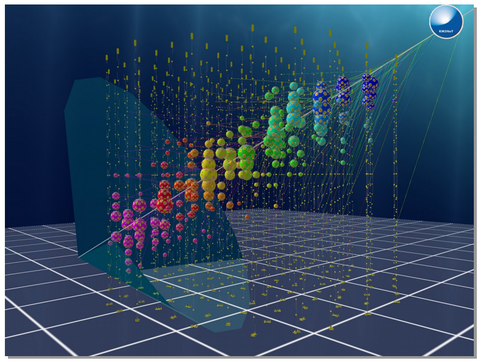
European Science Cluster of Astronomy & Particle physics
ESFRI research infrastructures

ESCAPE aims to address the Open Science challenges shared by ESFRI facilities as well as other pan-European research infrastructures in astronomy and particle physics





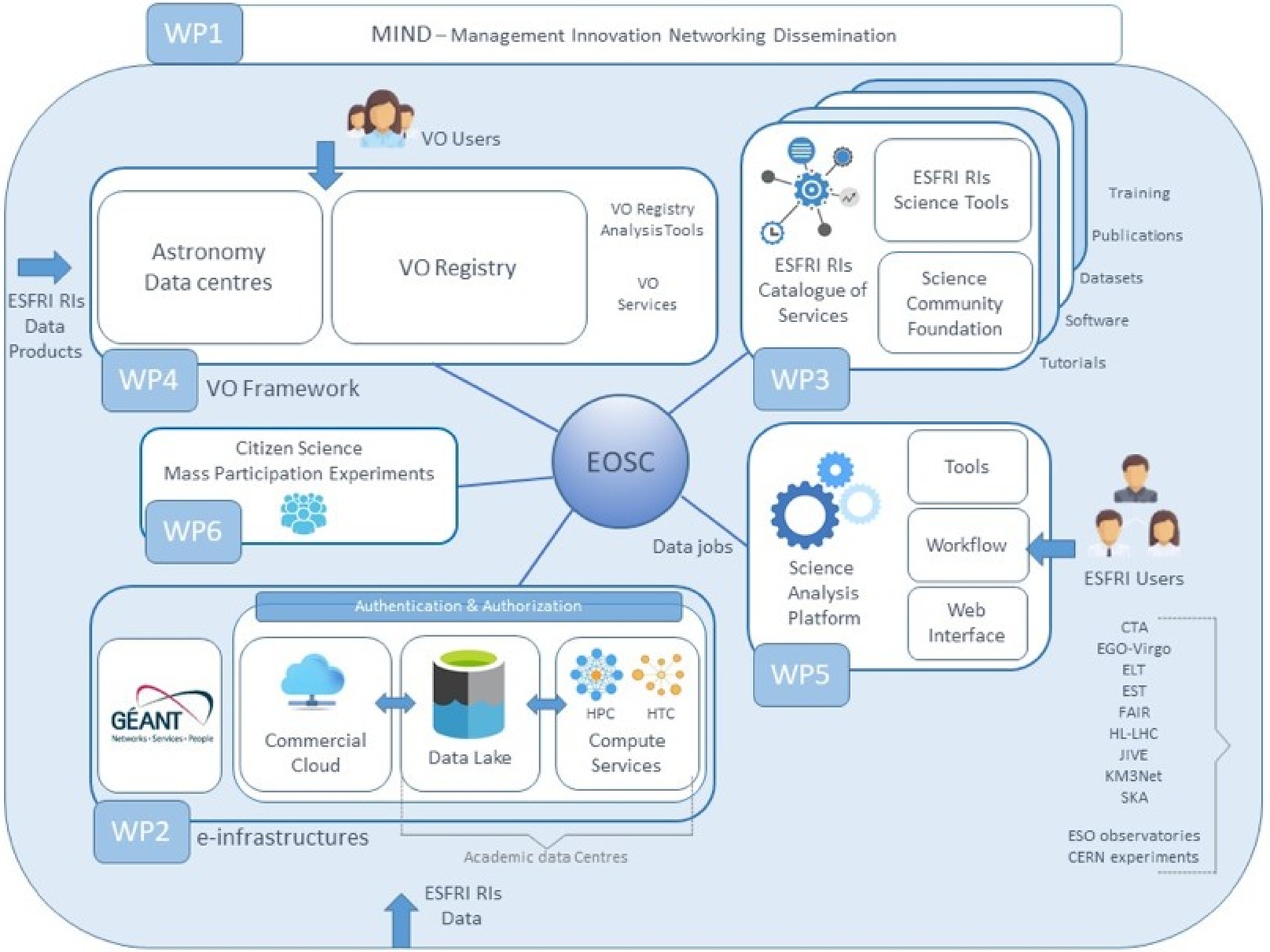




- EC H2020 (16 M€, 2019-2023)
- Partners include SKA, CTA, KM3Net, EST, ELT, HL-LHC, FAIR, CERN, ESO, JIVE
- Led by CNRS, 32 different EU institutions
- ASTRON leading Science Analysis Platform Work Package
- Work kicked off in February 2019

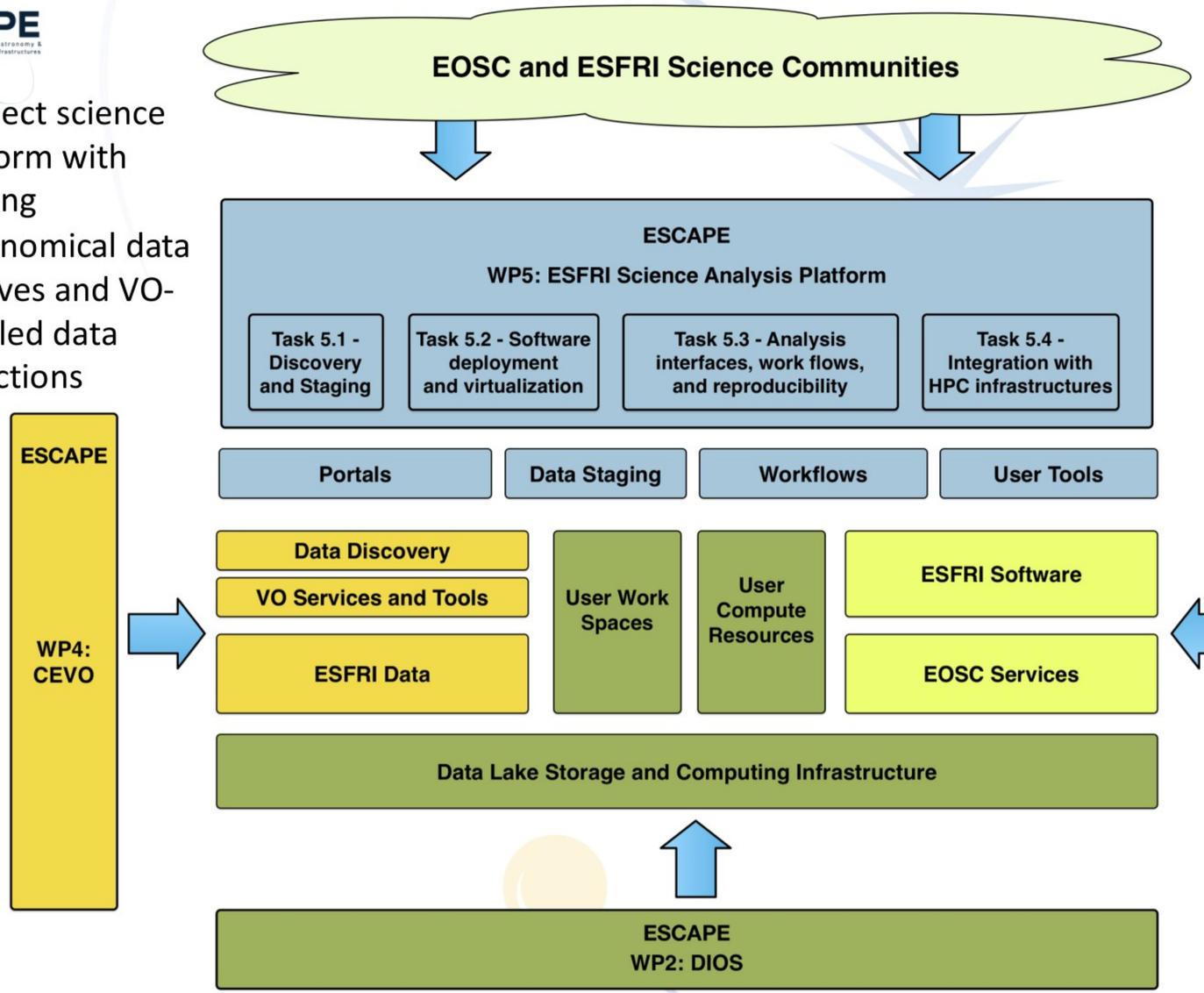
EOSC-hub

EOSCpilot
The European Open Science Cloud for Research Pilot Project

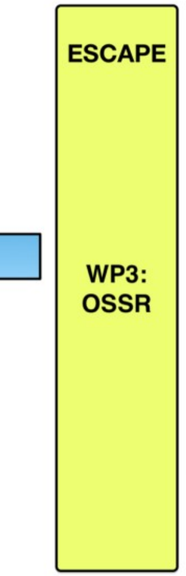


- WP2: Data Infrastructure for Open Science
  (federating, data lake, networking, AAI)
- WP3: Open-source scientific software and service repositories
- WP4: Connecting ESFRI Projects to EOSC through VO framework
  (integration of astronomy data, FAIR principles, adding value to trusted content in archives)
- WP5: ESFRI Science Analysis Platform

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



Access to software & services in ESCAPE-EOSC catalogue



Supporting

Integration with Data Lake - distributed computing and storage