



WP5 - ESAP SAPs and Services

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Science Analysis Platform

- Also called:
 - Science Gateway
 - VRE (Virtual Research Environment)
 - Virtual Laboratory
- Meetings and communities
 - IWSG (International Workshop on Science Gateways)
 - SGCI (Science Gateways Community Institute)
- Tools for building Science Gateways
 - HubZero (<https://hubzero.org>)
 - Agave API (<https://agaveapi.co>)



What is a science gateway?

science gateway /sī' əns gāt' wā' / n.

1. an online community space for science and engineering research and education.
2. a Web-based resource for accessing data, software, computing services, and equipment specific to the needs of a science or engineering discipline.



Source: <https://slideplayer.com/slide/11945671/>

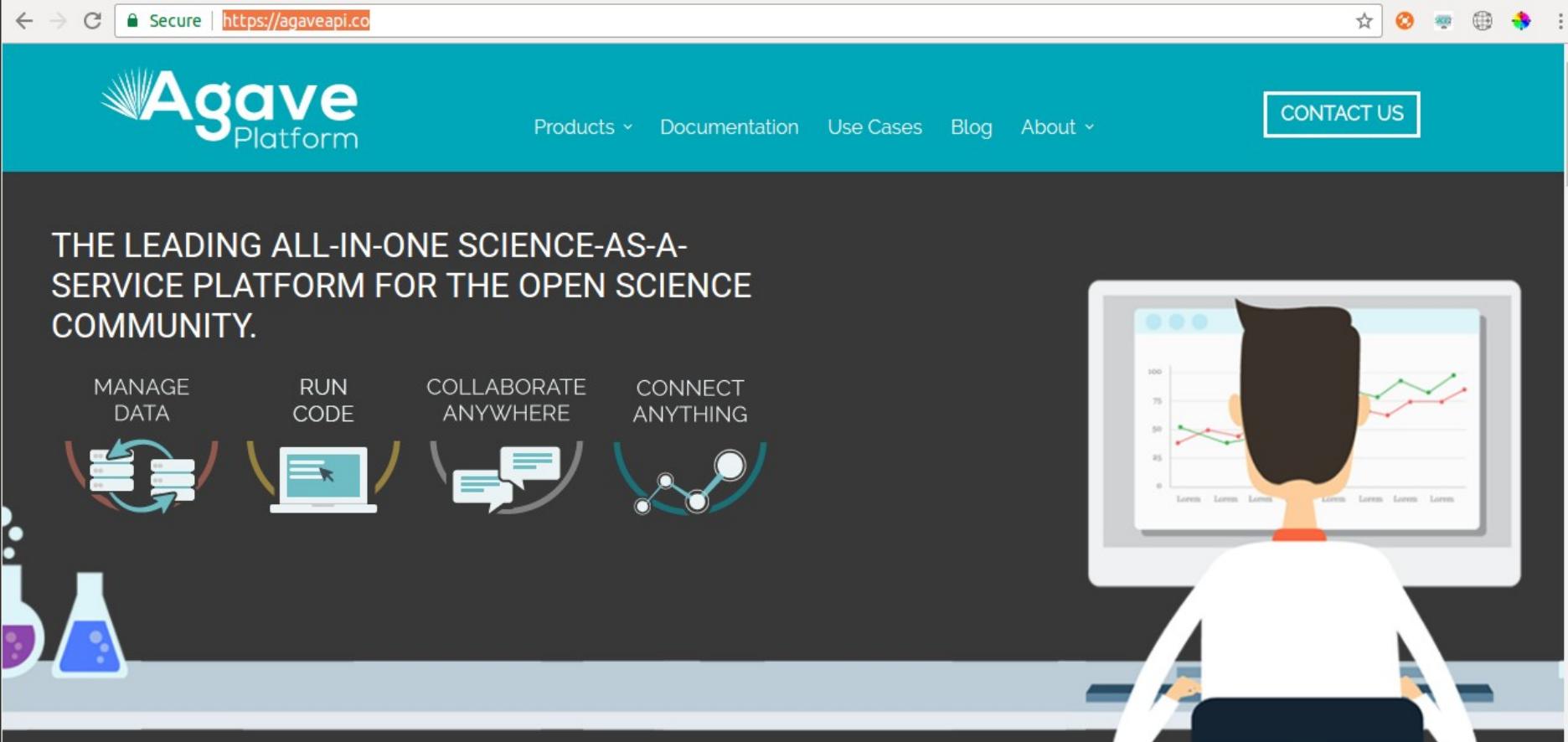
hubzero

TOOLS FOR BUILDING SCIENCE GATEWAY COMMUNITIES

Presented by Research Computing at Purdue University

Source: <https://twitter.com/hubzeroplatform/status/793878889835601921>

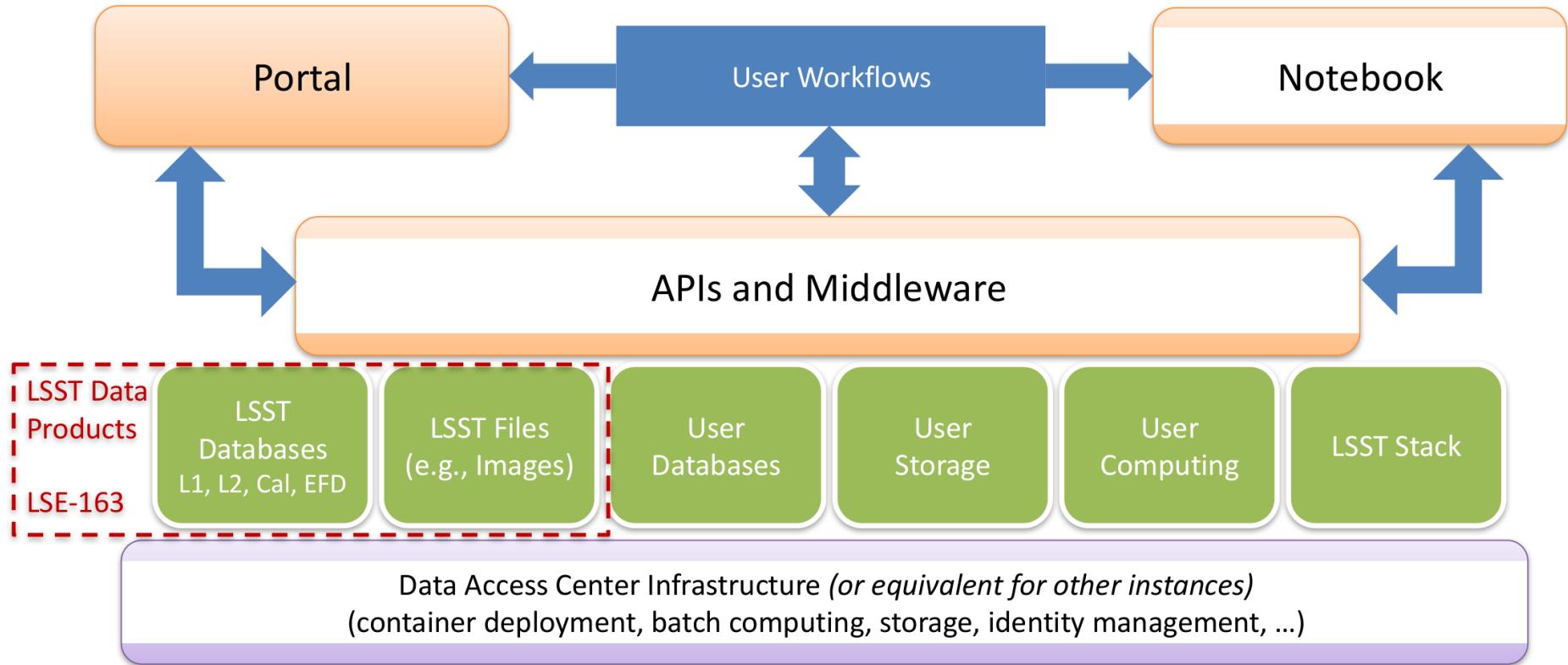




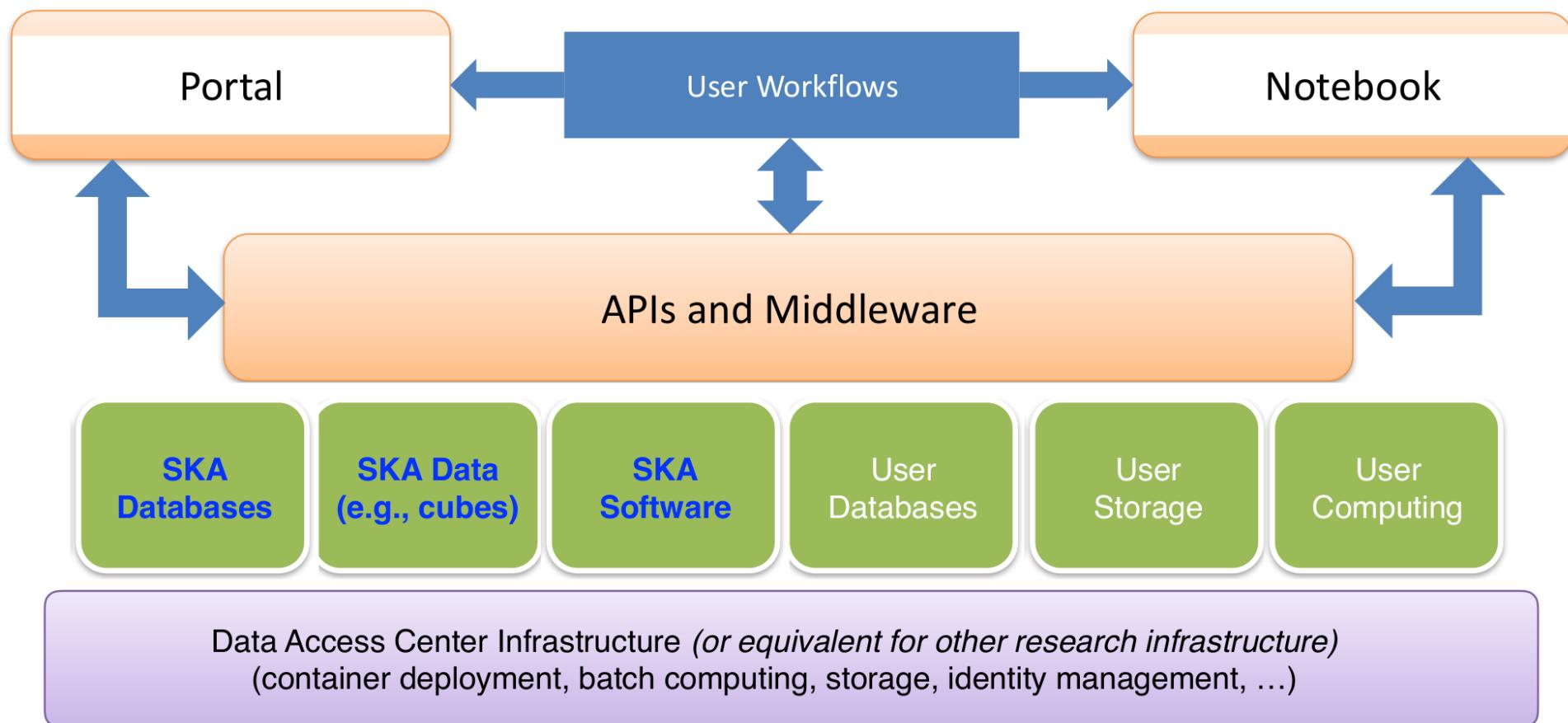
The screenshot shows the Agave Platform website. At the top, there is a navigation bar with links for Products, Documentation, Use Cases, Blog, and About. A "CONTACT US" button is also present. The main heading reads: "THE LEADING ALL-IN-ONE SCIENCE-AS-A-SERVICE PLATFORM FOR THE OPEN SCIENCE COMMUNITY." Below this, there are four service icons: "MANAGE DATA" (with a server icon), "RUN CODE" (with a laptop icon), "COLLABORATE ANYWHERE" (with a messaging icon), and "CONNECT ANYTHING" (with a network icon). To the right, there is an illustration of a scientist sitting at a desk, looking at a computer screen displaying a line graph. The URL in the browser bar is https://agaveapi.co.

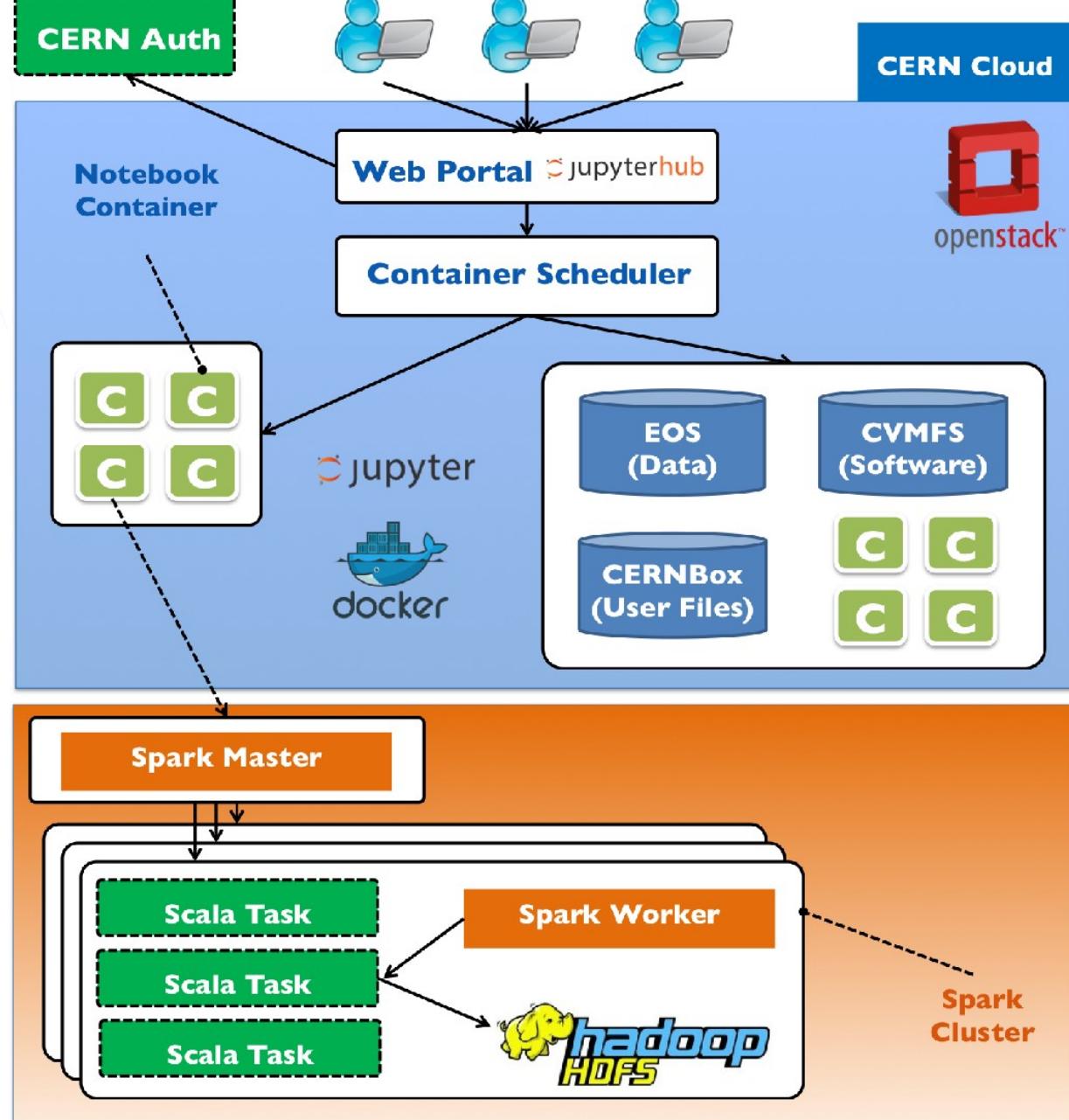


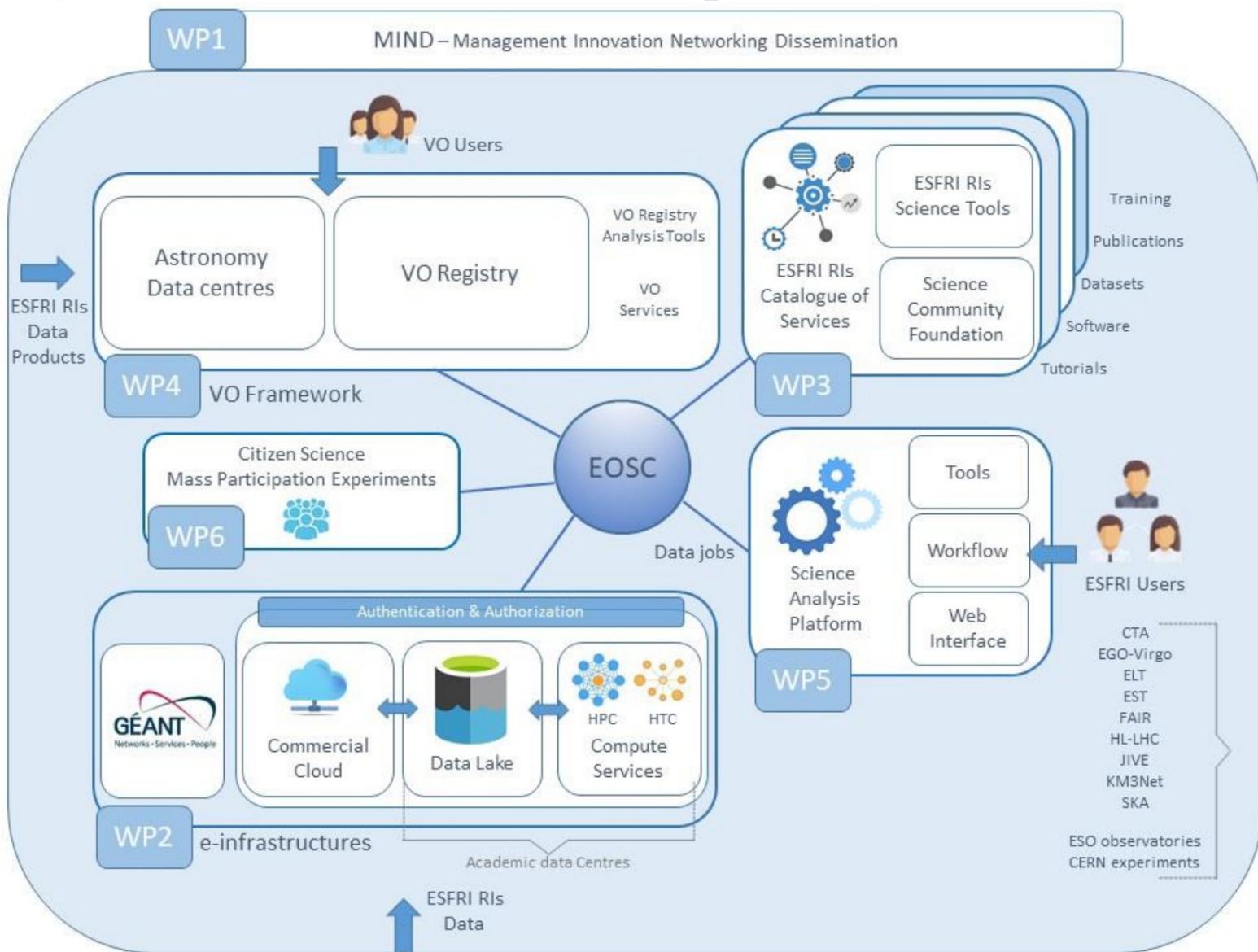
LSST Science Analysis Platform



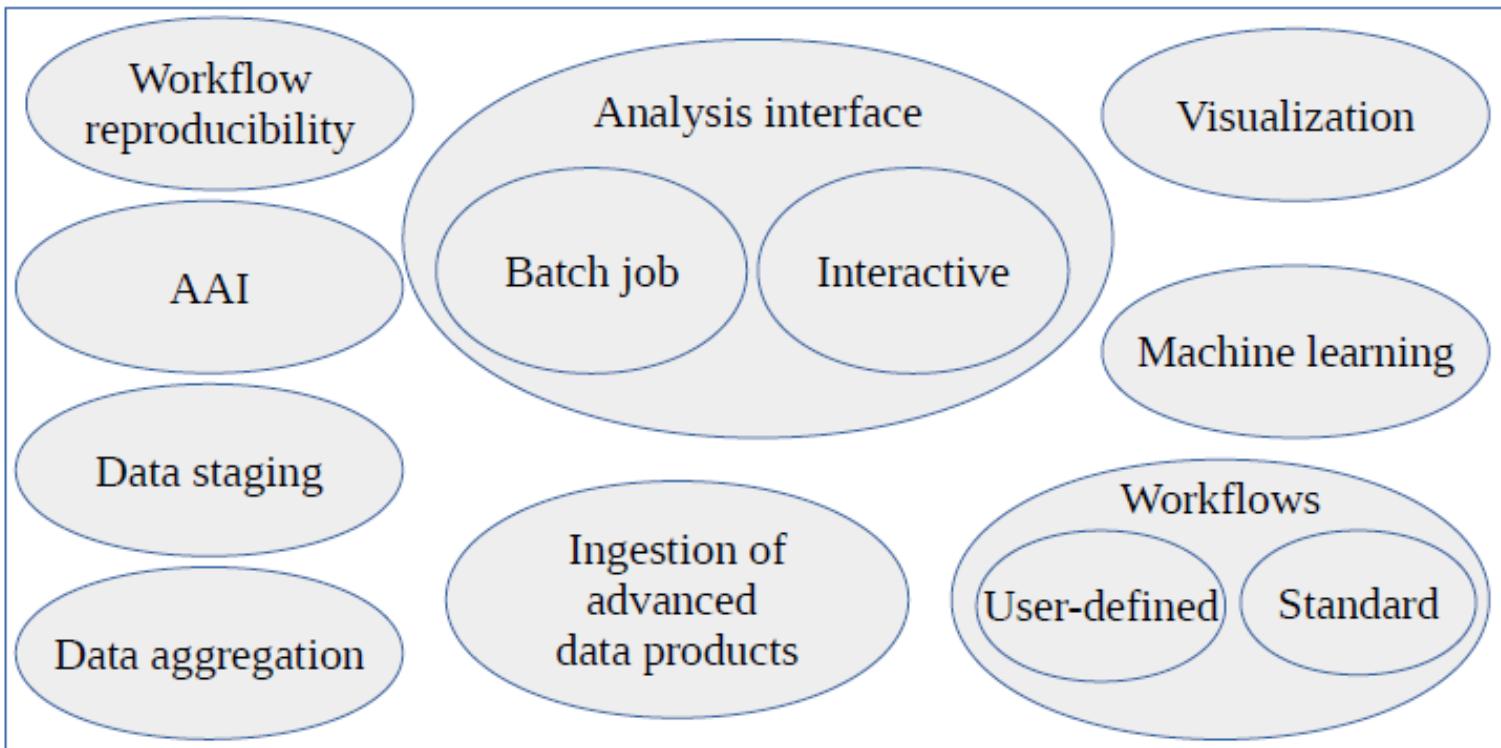
SKA Science Analysis Platform



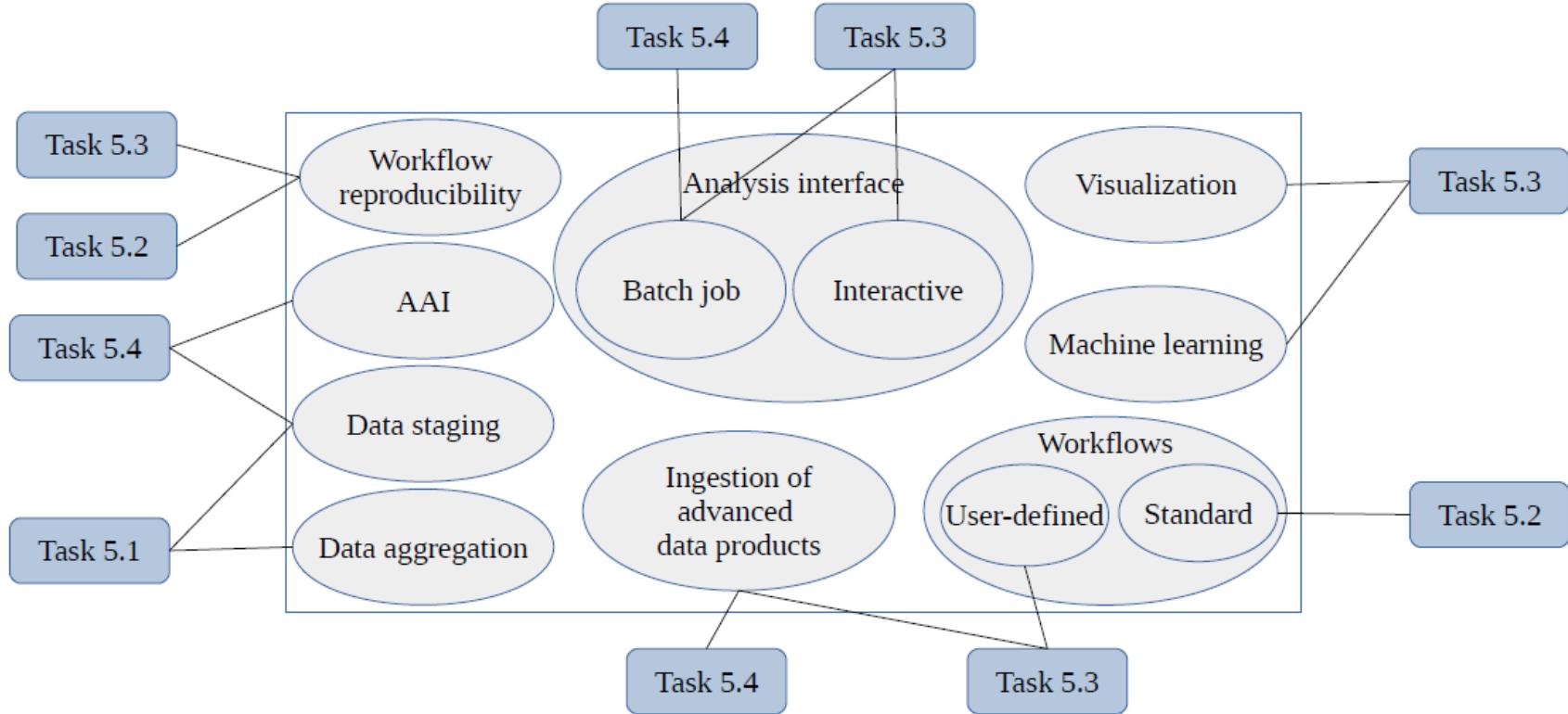




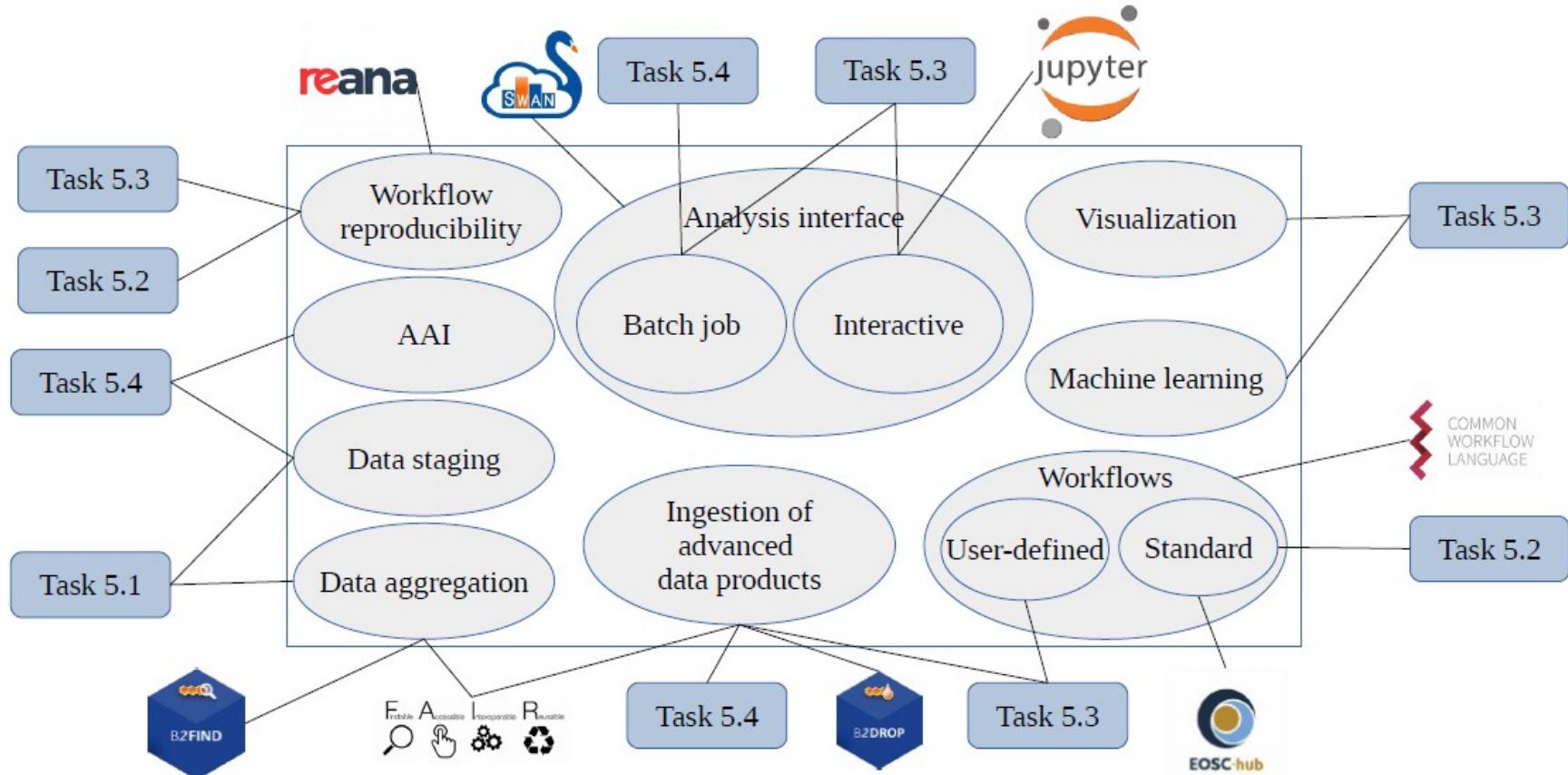
ESAP Services



ESAP Tasks and Services



Related tools/projects



Interactive Analysis Interface & Visualization



Workflow Management



COMMON
WORKFLOW
LANGUAGE



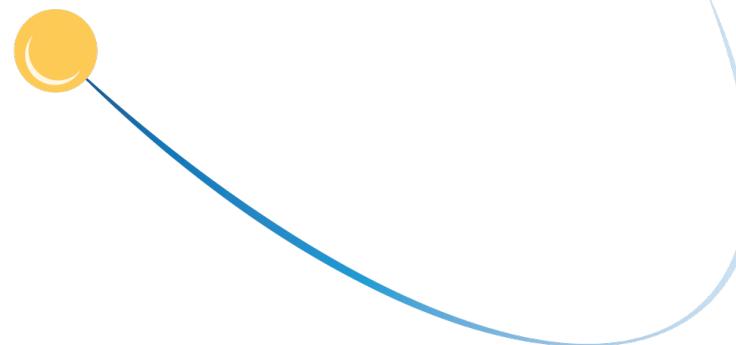
Pegasus





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Thank you !