



OSCAR

Open Science Clusters' Action
for Research & Society

ENVRI Service portfolio

ENVRI team
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Funded by
the European Union

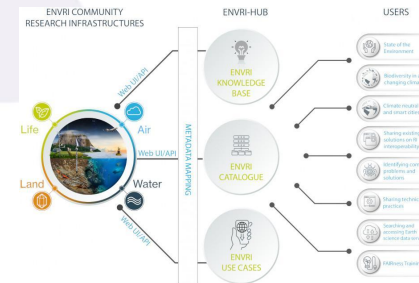
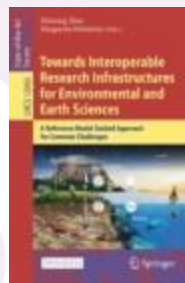
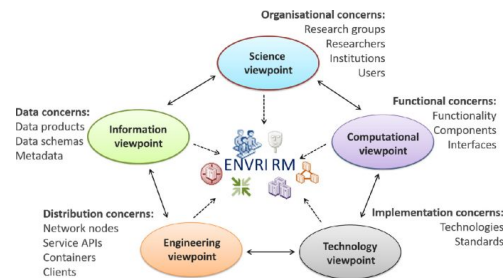
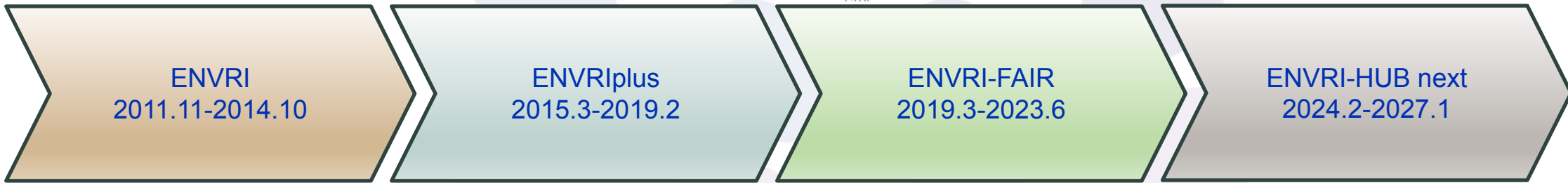
RIs in environmental and earth sciences



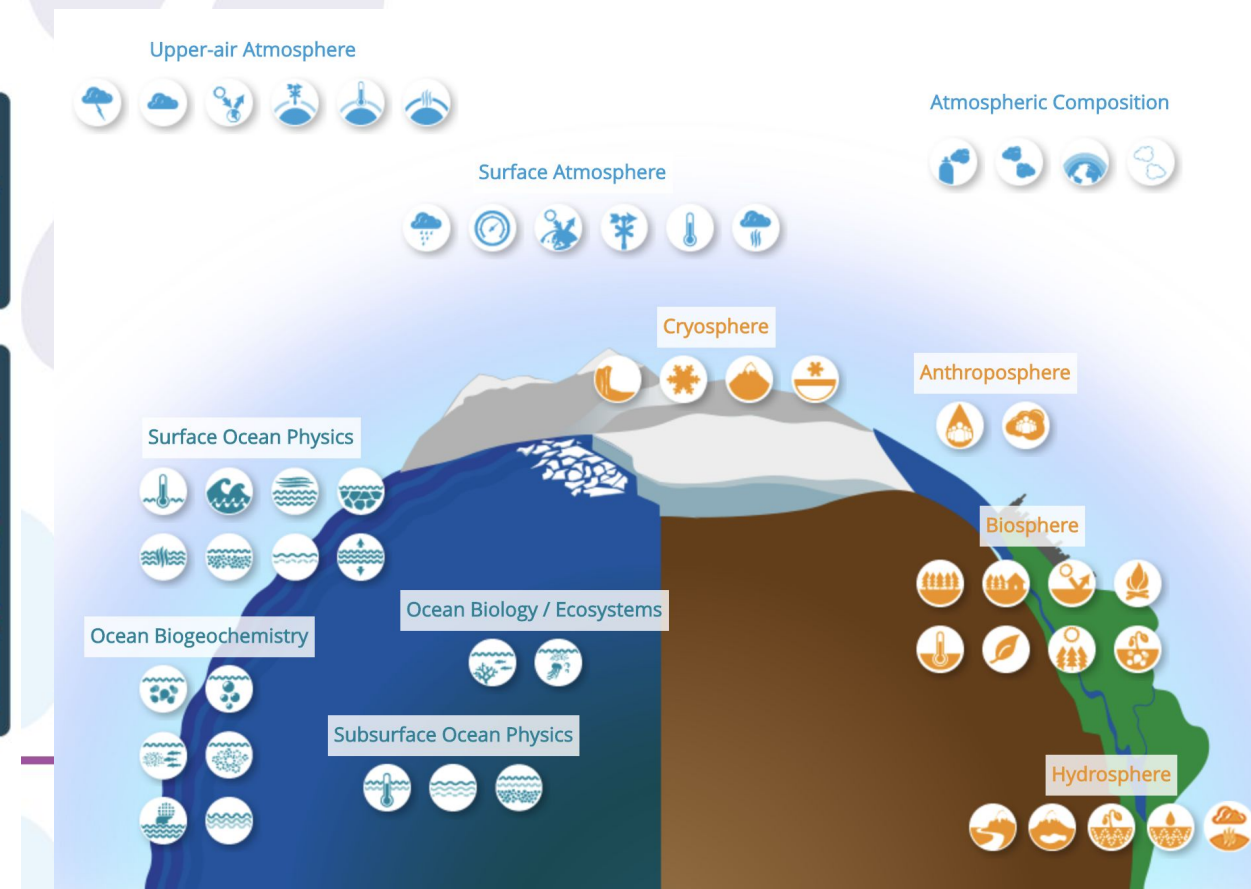
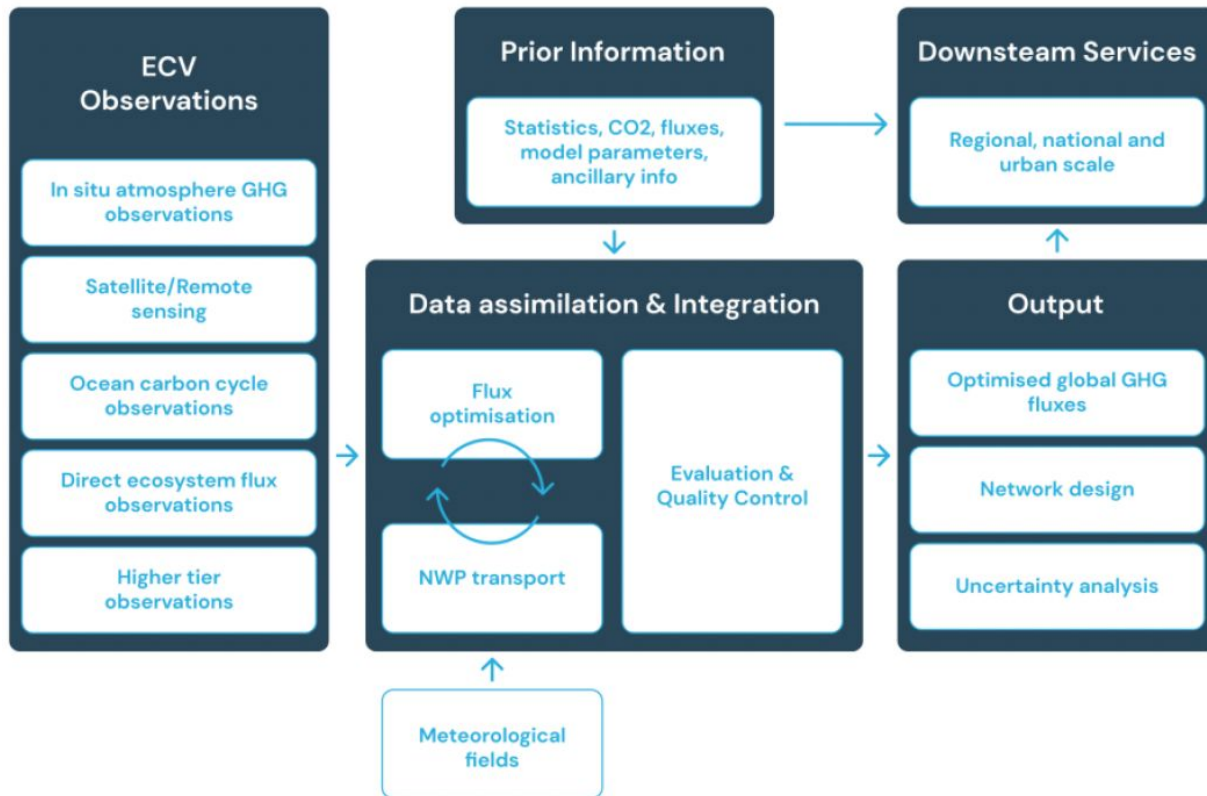
- AnaEE
- EuroGOOS
- EISCAT
- ACTRIS
- EUFAR
- HEMERA
- DISCO
- EMPHASIS
- INTERACT
- AQUACOSM
- DANUBIUS-RI
- eLTERRI
- EMBRC

- IAGOS
- ARISE
- SIOS
- is-enes
- ICOS
- EuroArgo
- Eurofleets+

A number of projects at the cluster level

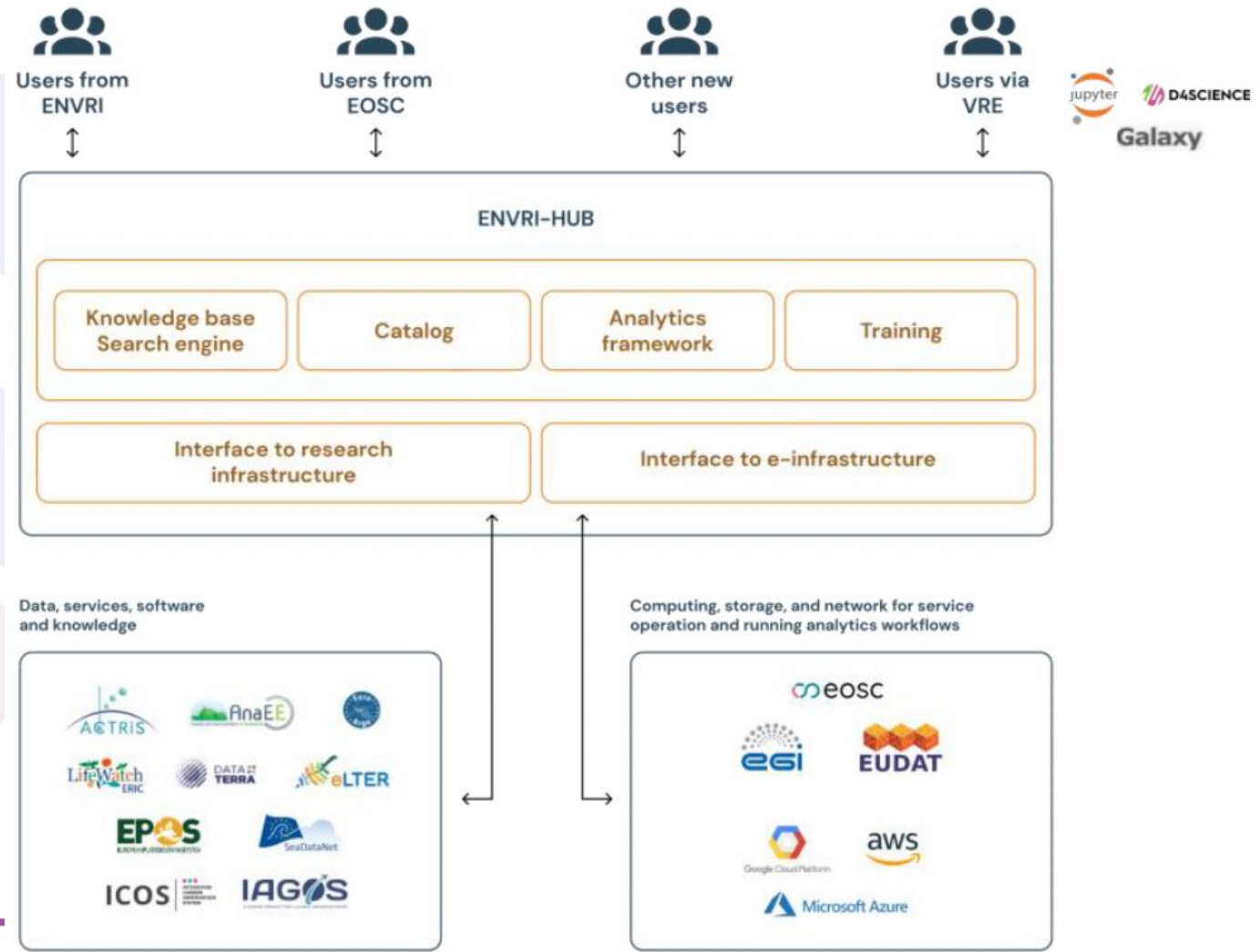



Essential Climate Variables as defined by the Global Climate Observing System; there are 54 focused on the atmosphere, cryosphere, oceans, anthroposphere, biosphere, and the hydrosphere.



ENVRI-Hub

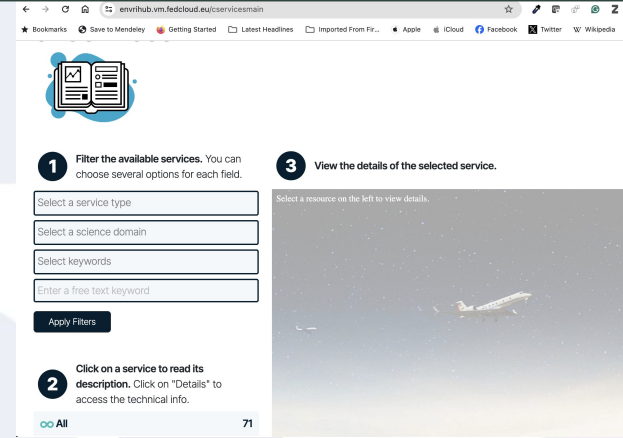
- Catalogue
- Knowledge Base and Search Engine
- Analytics Framework
- Training
- Interface to VRE
- Interface to underlying RI and Cloud



- Catalogue
 - Training
 - Virtual research environment
 - Knowledge Base search engine
- 
-

- Catalogue of individual RI
- ENVRI Service Catalogue
 - <https://envrihub.vm.fedcloud.eu/cservicesmain>

ENVRI Catalogues (data and services)



eLTER catalogue



EPOS catalogue



LifeWatch catalogue



SeaDataNet catalogue



EuroArgo catalogue



ICOS catalogue



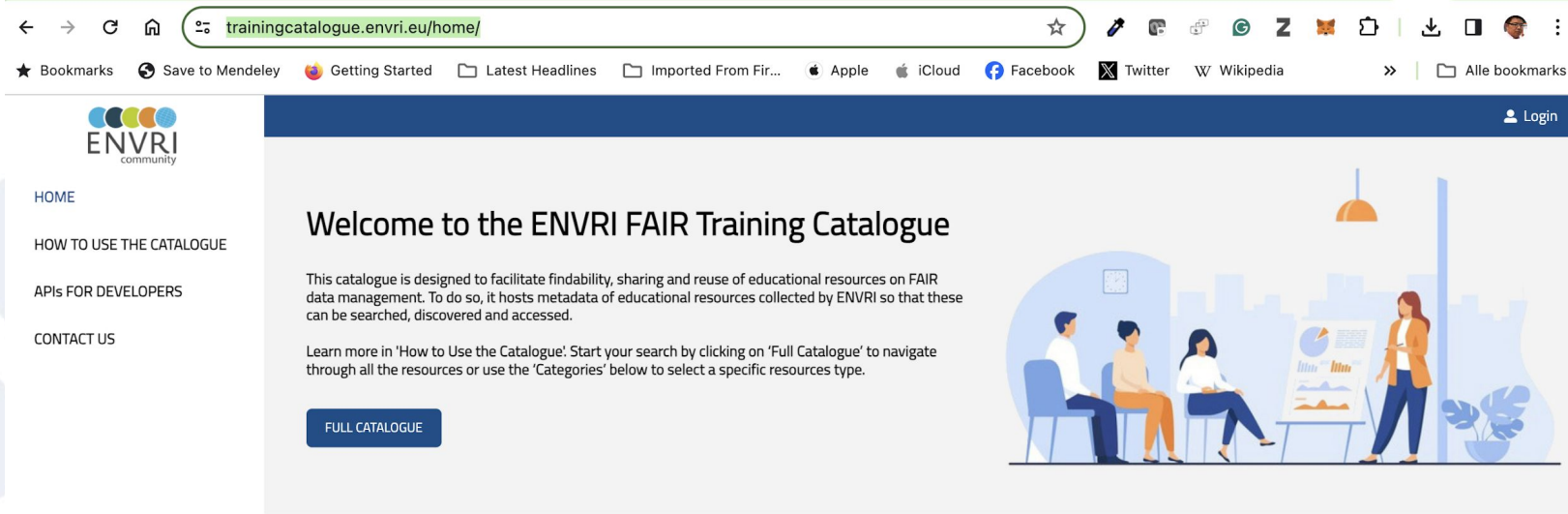
... catalogue



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• ENVRI training catalogue:

<https://trainingcatalogue.envri.eu/home/>



Categories



International Schools



Webinars and Workshops

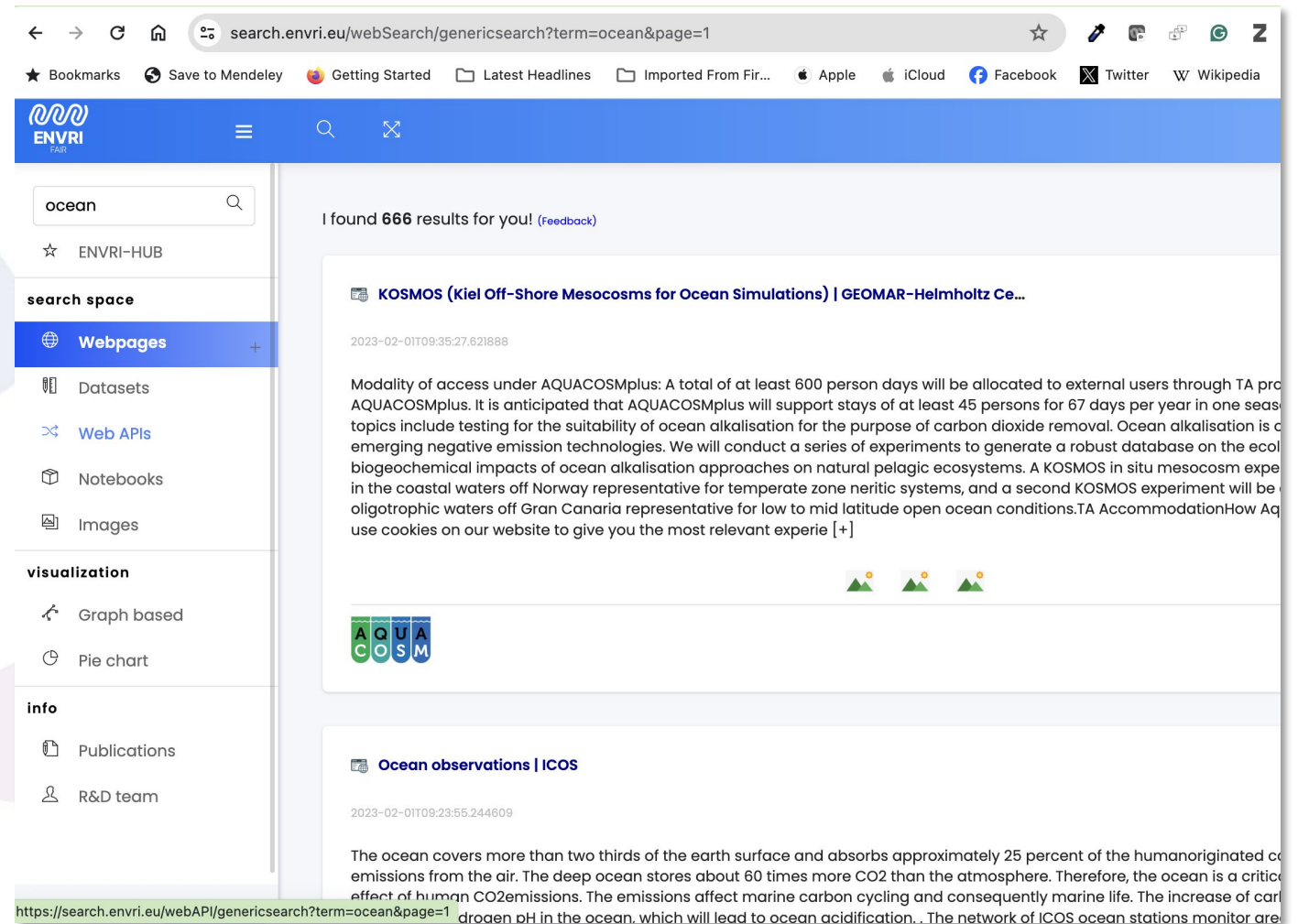


Video Tutorials



Guidelines and Best practices

- Catalogue search feature
- ENVRI-Hub Knowledge Base search
 - <https://search.envri.eu>



The screenshot displays the ENVRI-Hub search engine interface. The browser address bar shows the URL: search.envri.eu/webSearch/genericsearch?term=ocean&page=1. The search bar contains the term "ocean". The left sidebar shows the search space with "Webpages" selected. The main content area displays search results for "ocean", indicating 666 results. The first result is titled "KOSMOS (Kiel Off-Shore Mesocosms for Ocean Simulations) | GEOMAR-Helmholtz Ce..." and includes a snippet of text: "Modality of access under AQUACOSMplus: A total of at least 600 person days will be allocated to external users through TA pro AQUACOSMplus. It is anticipated that AQUACOSMplus will support stays of at least 45 persons for 67 days per year in one seas...". The second result is titled "Ocean observations | ICOS" and includes a snippet: "The ocean covers more than two thirds of the earth surface and absorbs approximately 25 percent of the humanoriginated co...". The URL <https://search.envri.eu/webAPI/genericsearch?term=ocean&page=1> is highlighted at the bottom of the screenshot.

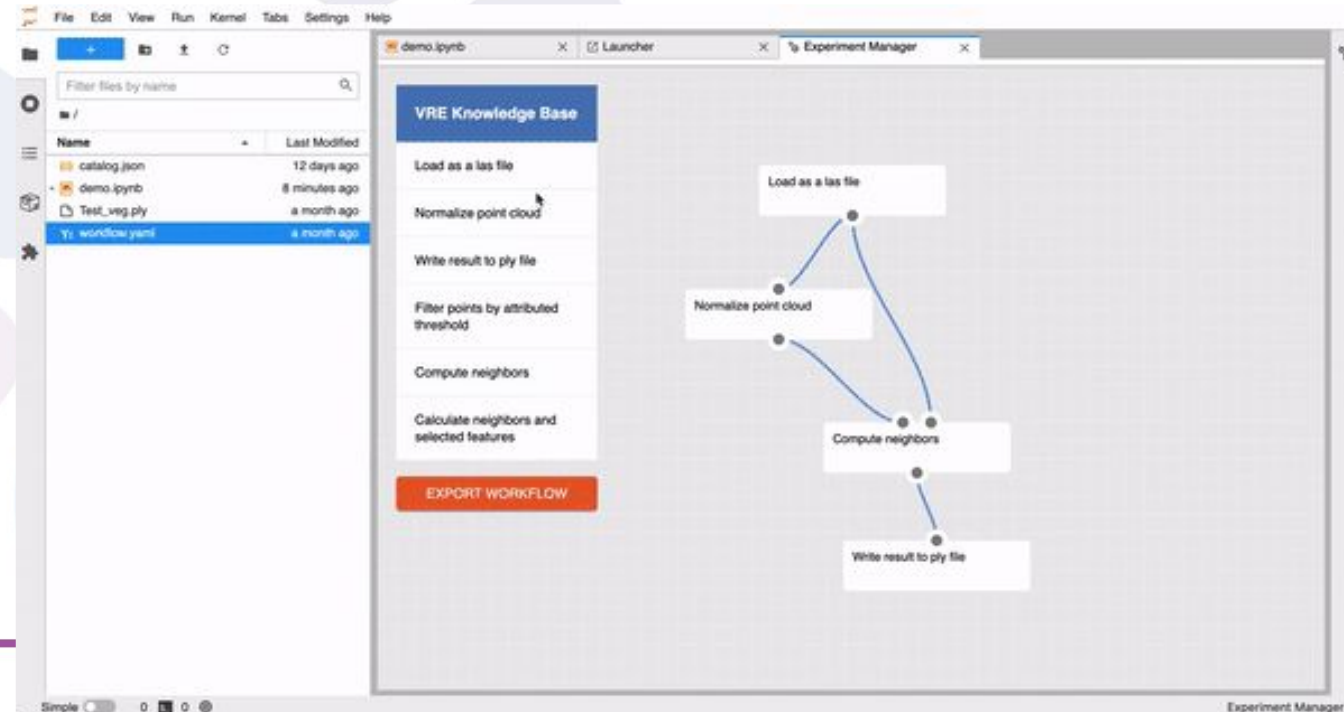
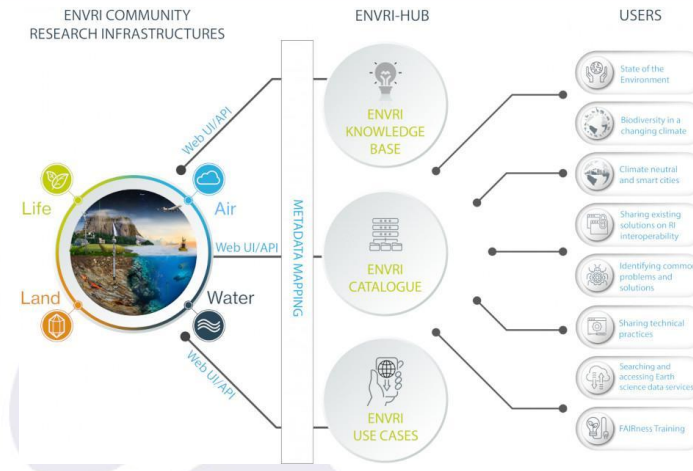
- Notebook as a VRE (NaaVRE)
 - <https://naavre.lifewatch.dev/vreapp>

Research software

- Notebooks
- Virtual Lab (workflows)
- VRE Software, ENVRI-HUB software etc, RI services

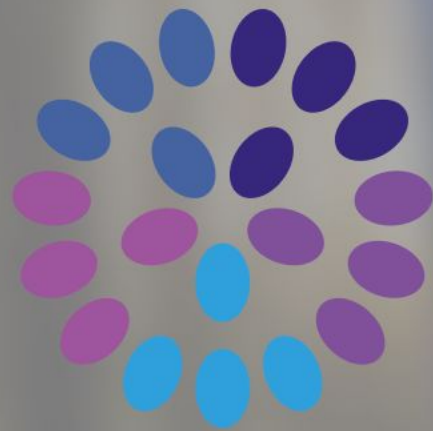
Possible scenarios in the pilot

- Interactive Quality guideline for a **Scientific Programmer**
- Quality-aware software assets discovery **for a researcher**
- Automated quality check improvement **for a programmer.**



- ENVRI Community: <https://envri.eu/>





OSCARS

Thank you