CNES EO Data Distribution Platform applied to SWOT applications

hydr web.next





Foreword

hydrology data distribution

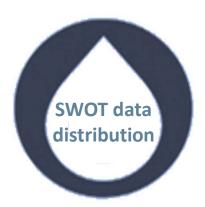
Very recently, we also started working on a variant, dedicated to SWOT-LR and ocean altimetry data distribution

The first SWOT-LR user interviews confirm that hydroweb.next will require marginal adaptations to cover ocean altimetry needs.

Contact us to participate @ hydroweb-ng@cnes.fr



hydr web.next, an ambitious project



Centralized access to hydrology data

For SWOT CAL/VAL, experts, institutional, private and outreach

Virtual Research Environment

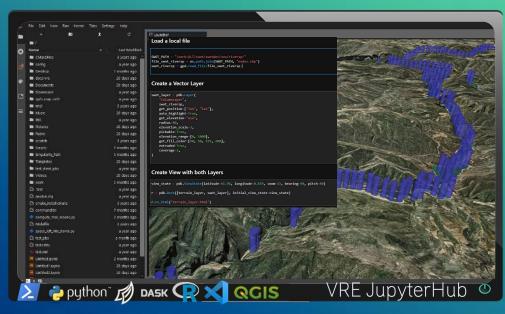
Bring your code next to the data and have access to free resources (computing, storage). Over 30 PB of satellite data available on line Hydrology
Data
Production
and
Distribution

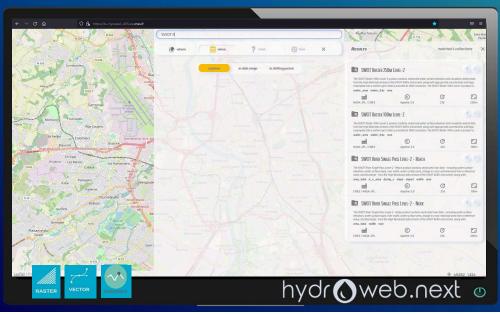
Added value products
generated and
distributed with high
standards and
globally
(Snow cover, water
masks, water
temperature, water
quality, etc.)

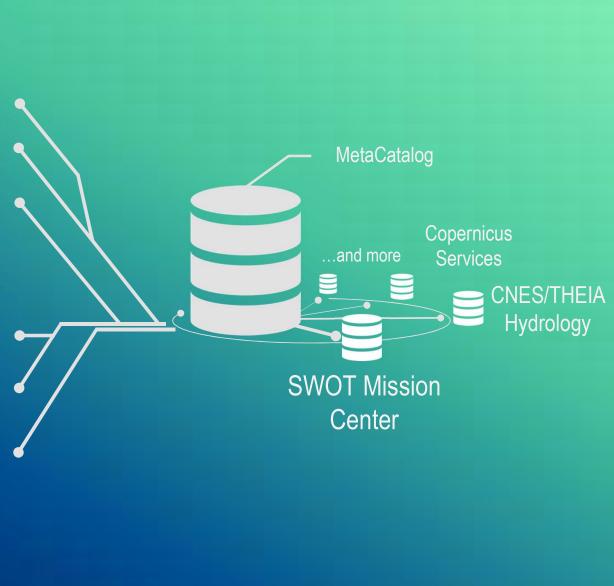
User Centered Development

25 user interviews, 5 user brainstorming, 10 user tests, demos and feedback ...

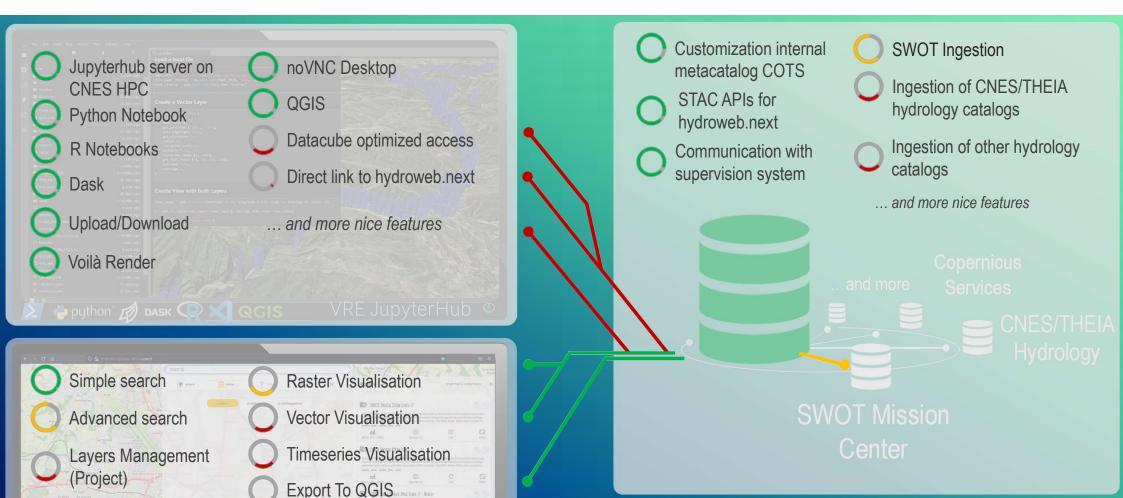
Useful, usable, used!







* snapshots of the virtual research environment (jupyterhub) & hydroweb.next



Zip http download

Script download

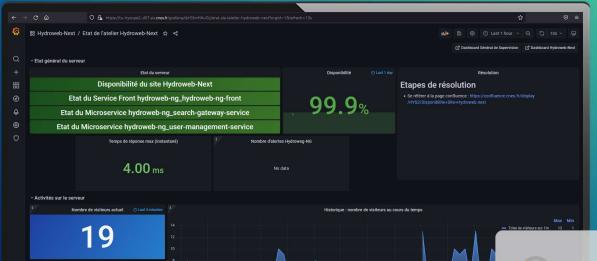
Statistical Analyses

(SWOT Raster)
... and more nice features

On demand processing

* snapshots of the virtual research environment (jupyterhub) & hydroweb.next

Supervision



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Monitor system health

Monitor metacatalog services

Monitor hydroweb.next services (download, authentication, search, thesaurus...etc) Monitor system Service Level

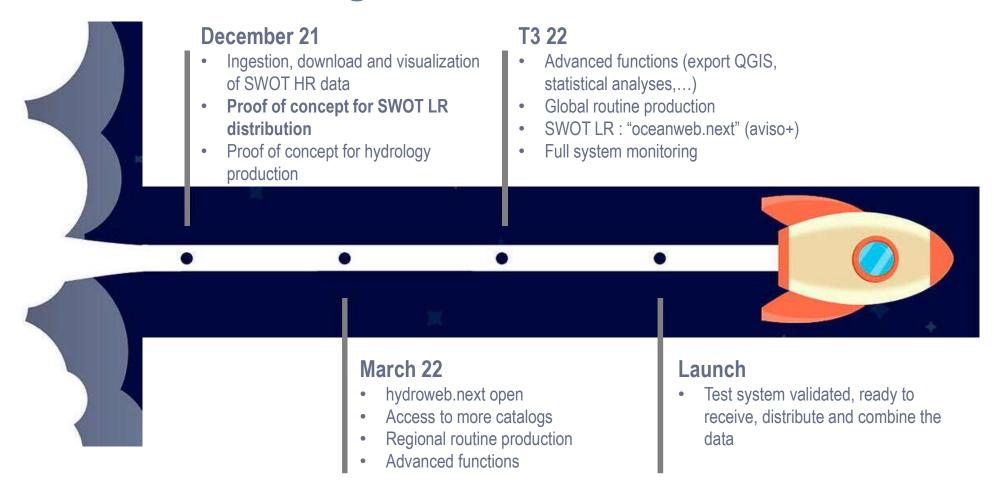
Notifications to operator

Monitor IT infrastructure

... and more nice features



Where are we heading? Our ambitions







hydr web.next





Thank you, Merci!

Help us specifying **your** distribution portal (ocean and hydrology):

hydroweb-ng@cnes.fr