Outreaching Swot (hydrology & oceanography)

V. Rosmorduc (CLS), N. Picot (Cnes) & PIs, colleagues…

SWOT will be a cornerstone of hydrology from space, and will also be a completely new concept. Some pieces of explanations exists through JPL and through the CNES space technology training courses, but more will be done, with a major focus on hydrology, but not forgetting the ocean, and the complementarity with currents techniques, including nadir altimetry.

2021: Hydrology from space for lectures in classrooms

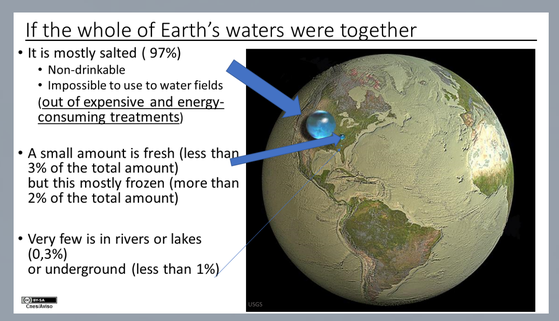
Swot will be a very new satellite, and also one among other hydrology satellites

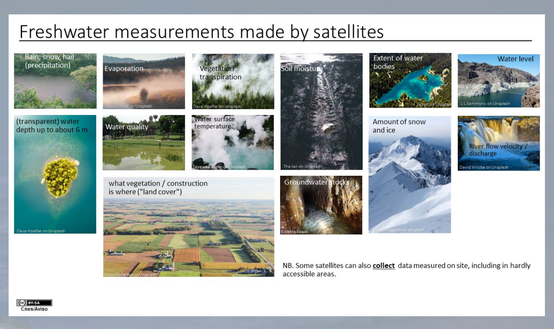
→ need to sketch the rationale of observing & monitoring land waters

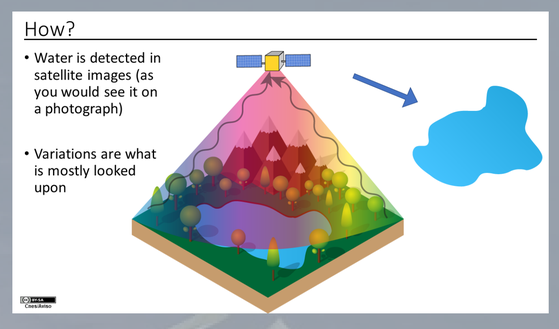
→ need to detail why it might be particularly interesting to do it from space

→ whole overview of Earth observation techniques which can be used for hydrology, complete with schemes & example outputs (also on Argonautica/ArgoHydro platform)

A series of ppt files, in French & English for scientists and engineers going into classrooms to explain, provided on Aviso+ web site.

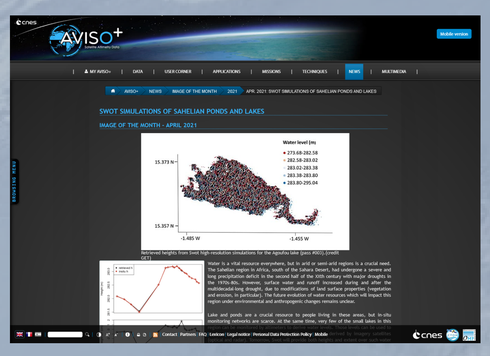


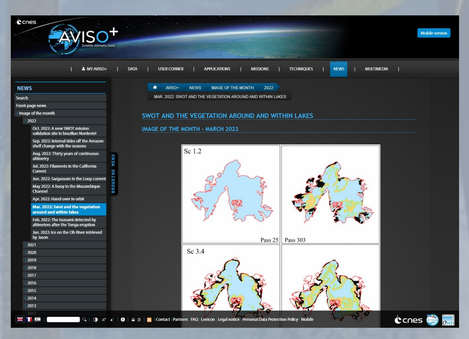




News & updates on the web

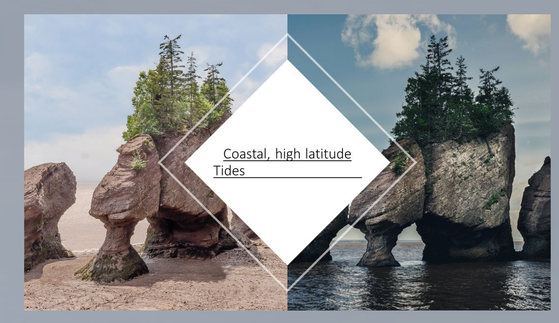
Aviso's "Images of the Month" for technical / scientific applications. Hydrology & ocean studies preparing for Swot.

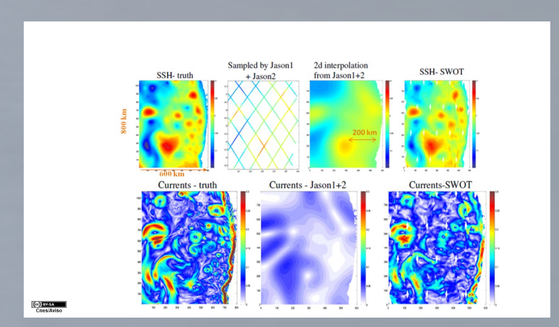




Swot for oceanography (2022)

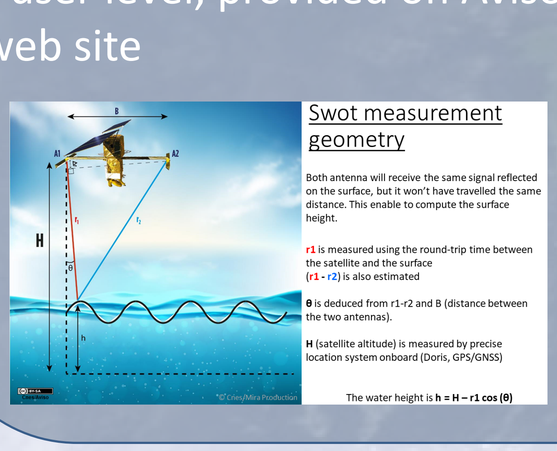
Series of slides, complementing the pdf document explaining Swot for hydrology in English & French, to be published on Aviso web site end of 2022 (Swot being the aim of another ppt series, see following box)





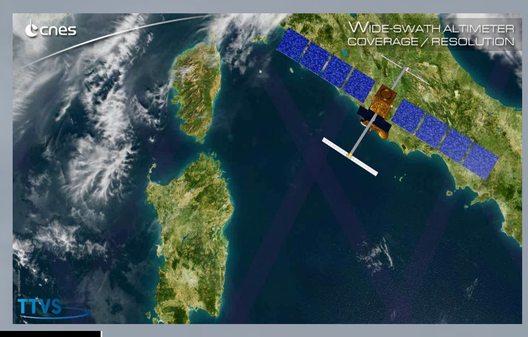
Swot/hydrology from space

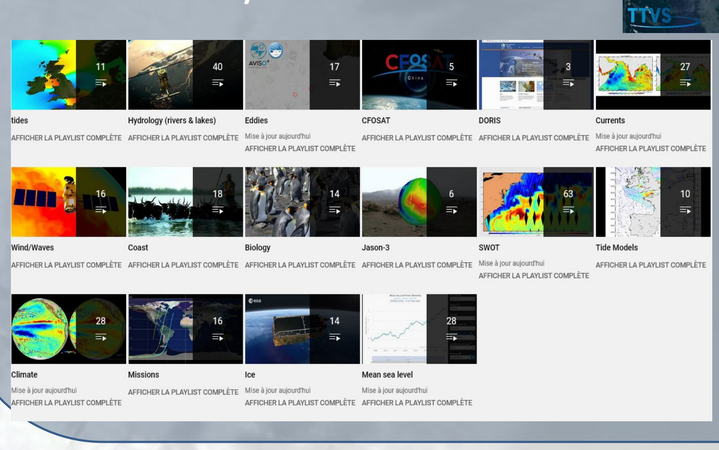
A series of ppt files, in English and French, about Swot and Hydrology from space, aimed at university / engineering school / user level, provided on Aviso+ web site

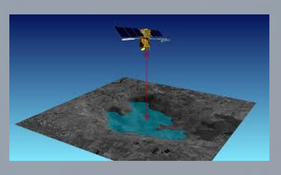


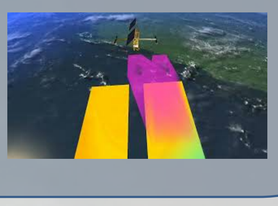
Swot movies & animations

A collection of short videos about Swot, products, and applications are available either on YouTube on in the Aviso Gallery









Find those resources on:

https://www.aviso.altimetry.fr/en/multimedia/education/altimetry-courses.html
https://aviso.altimetry.fr/gallery/
https://www.youtube.com/channel/UCGsPb2oMuqQsc1xAl9O8xBA (Aviso Channel)

aviso@altimetry.fr
www.aviso.altimetry.fr