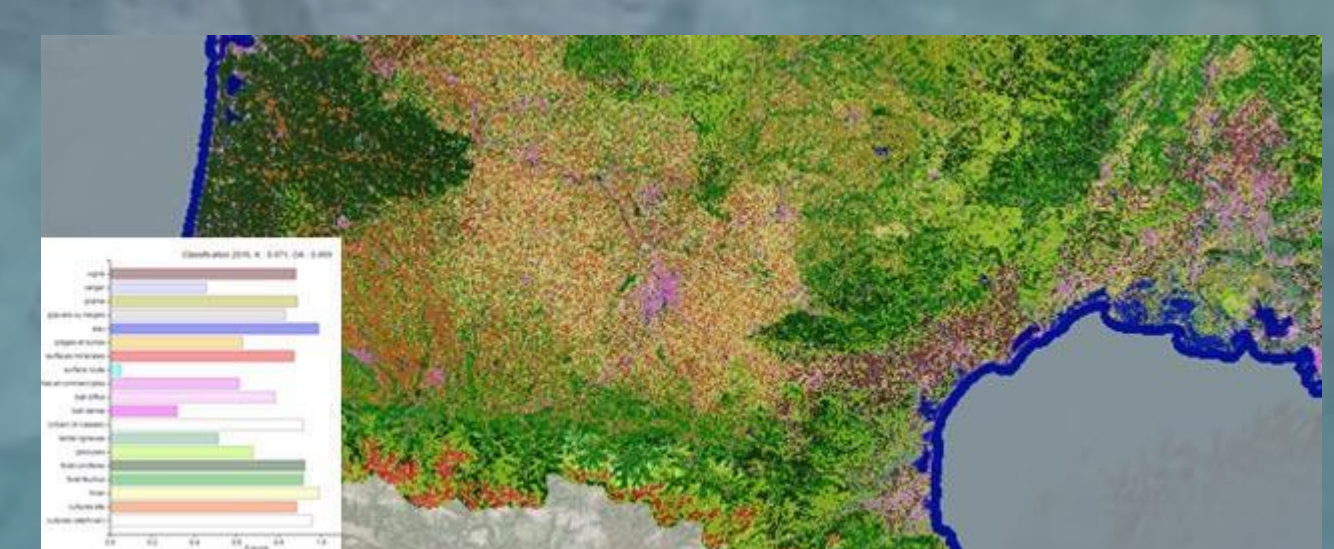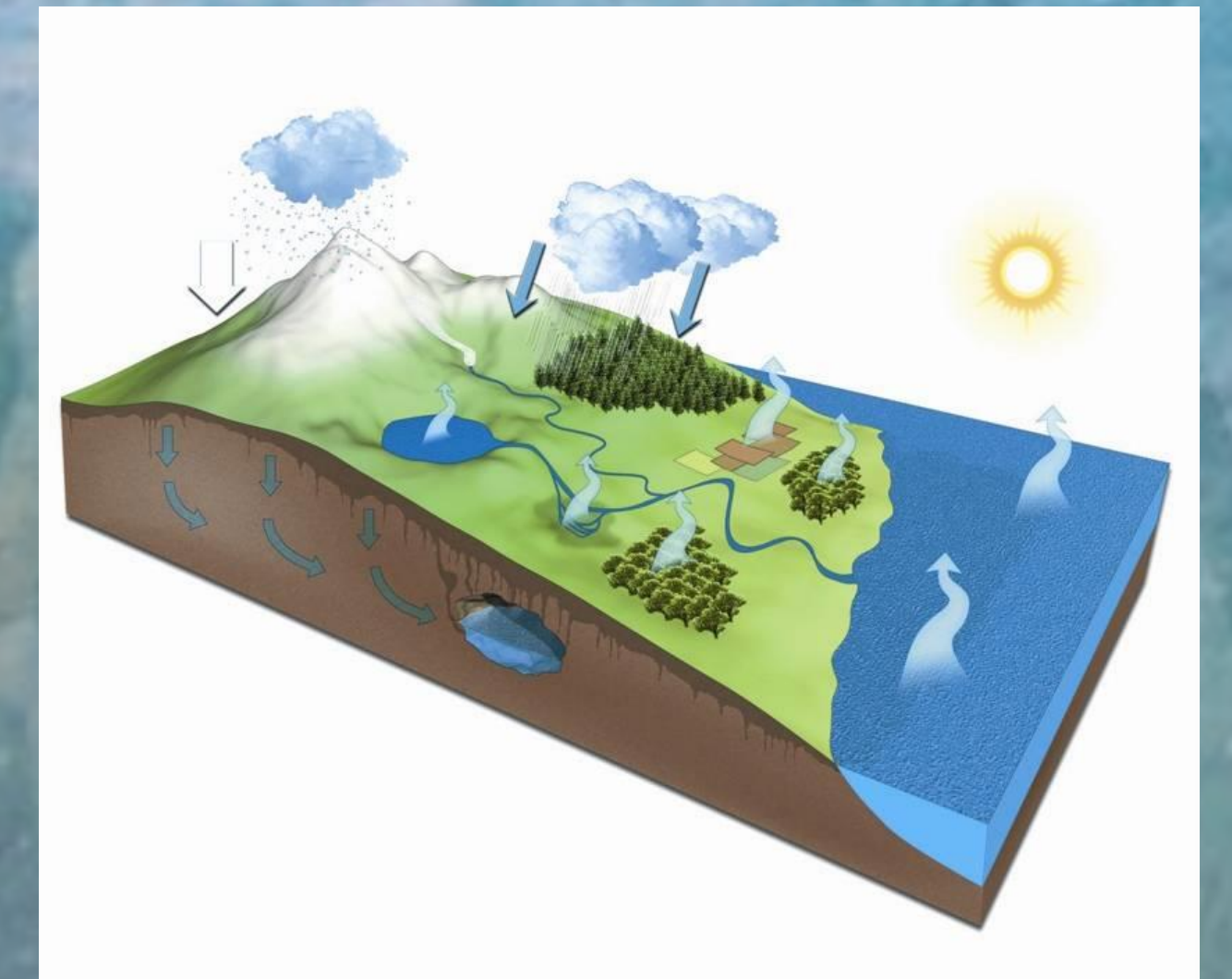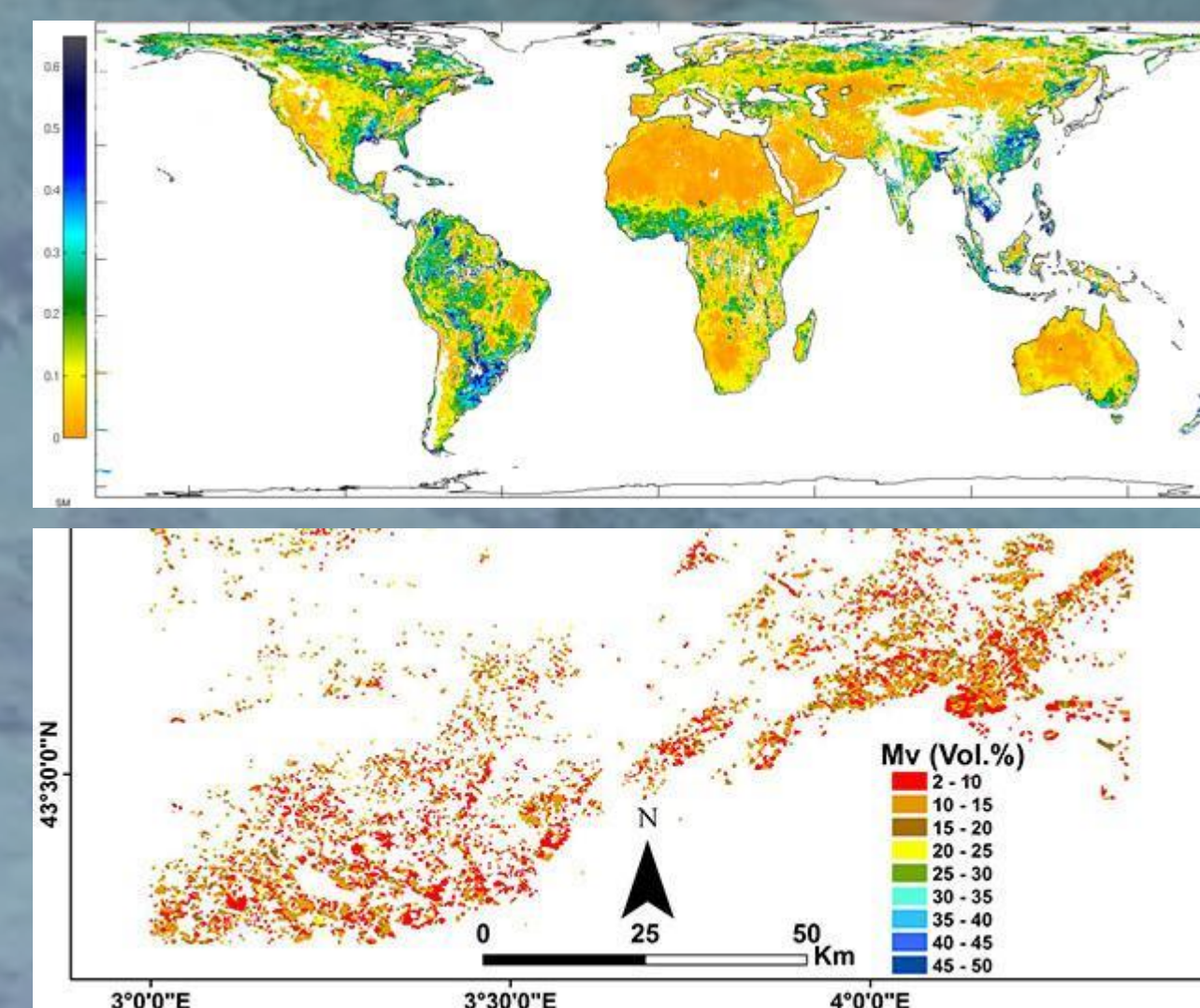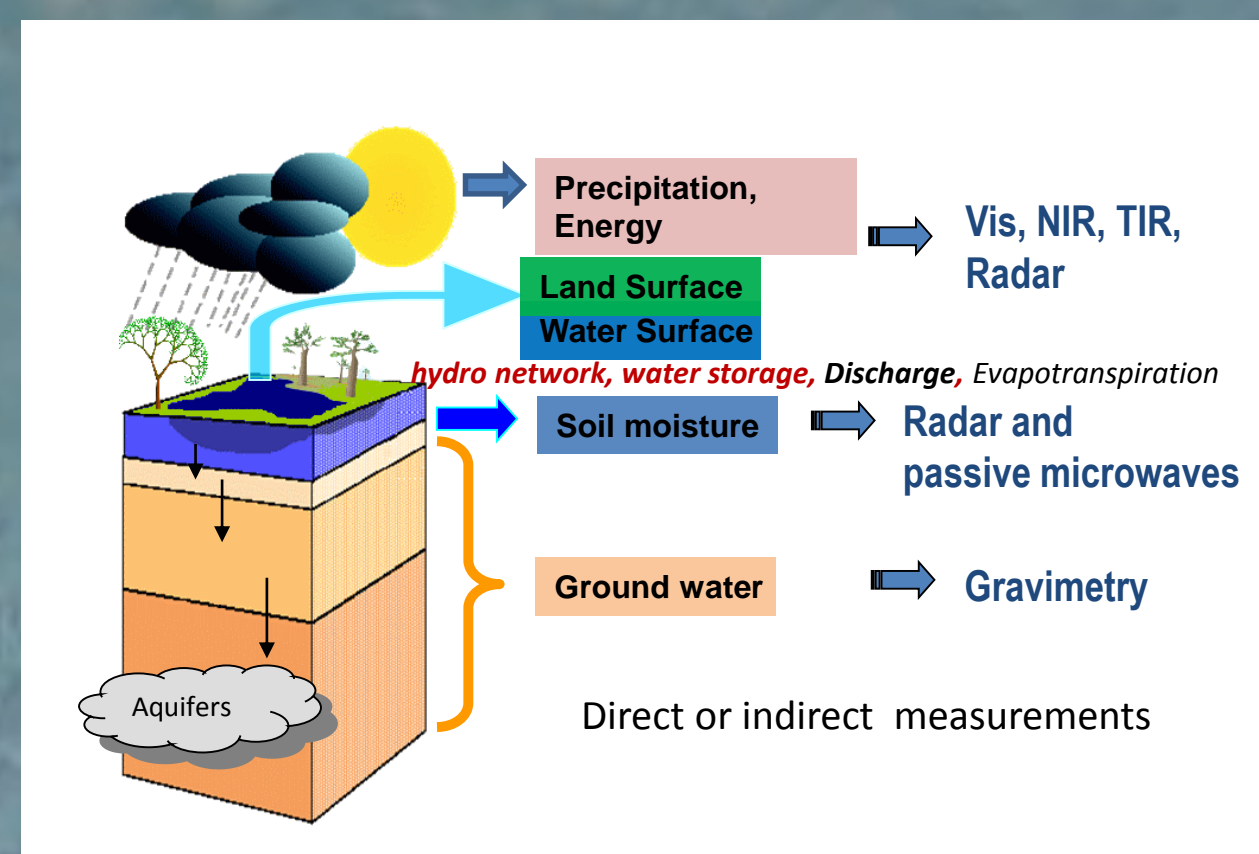# Outreaching Swot & hydrology from space

Hydrology from space is one of the rising remote sensing field of application, with huge issues - environmental, human, economic... - to take into account. Among the issues, there's also the question of explaining how to use those data (from current as well as future satellites) to people not so used to remote sensing, why, how they are made, etc. -- in one word, outreaching hydrology from space. Some portals exist, such as the THEIA portal for land applications through which a number of space data dedicated to land applications (including hydrology) are available (https://www.theia-land.fr/en).

SWOT will be a cornerstone of hydrology from space, and will also be a completely new concept. Some pieces of explanations exists through the CNES space technology training courses (animations available on demand with a license), but more can be done -- and will be, with a major focus on hydrology, but not forgetting the ocean, and the complementarity with currents techniques, including nadir altimetry.
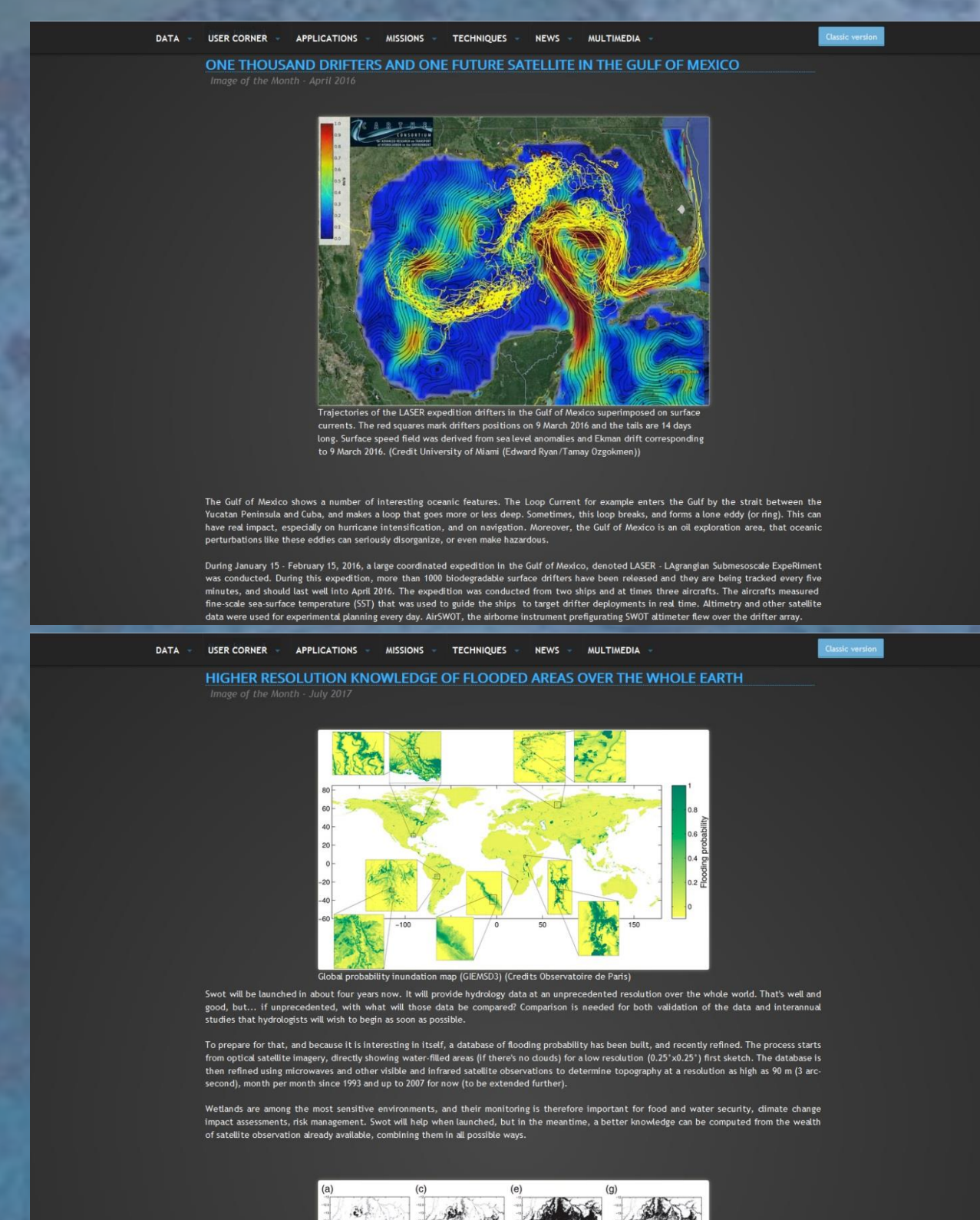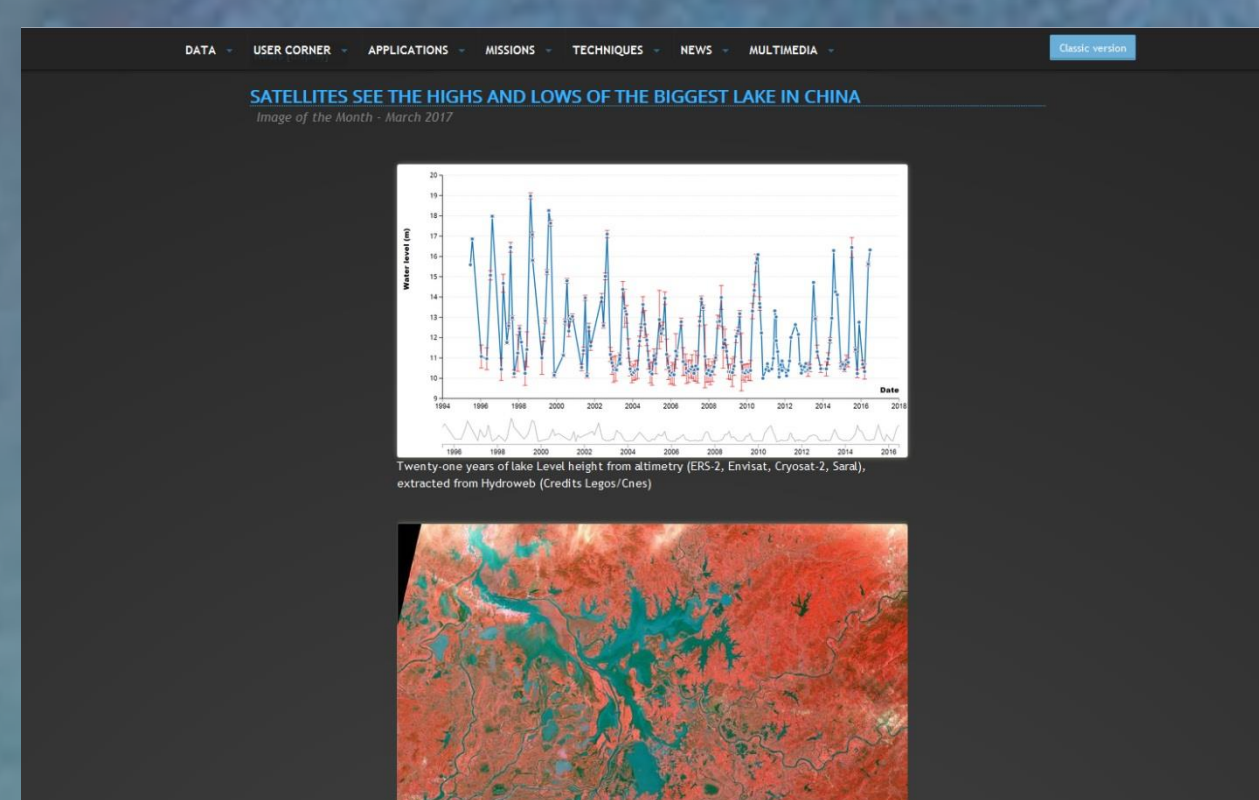
Hydrology from Space

Swot will be one (albeit an important one) among other hydrology satellites
→ Need to sketch the whole overview of such observation techniques
→ Stress the advantages / impacts / novelties of Swot
→ talk to general public / public with a scientific background with concrete situations

News & updates on the web

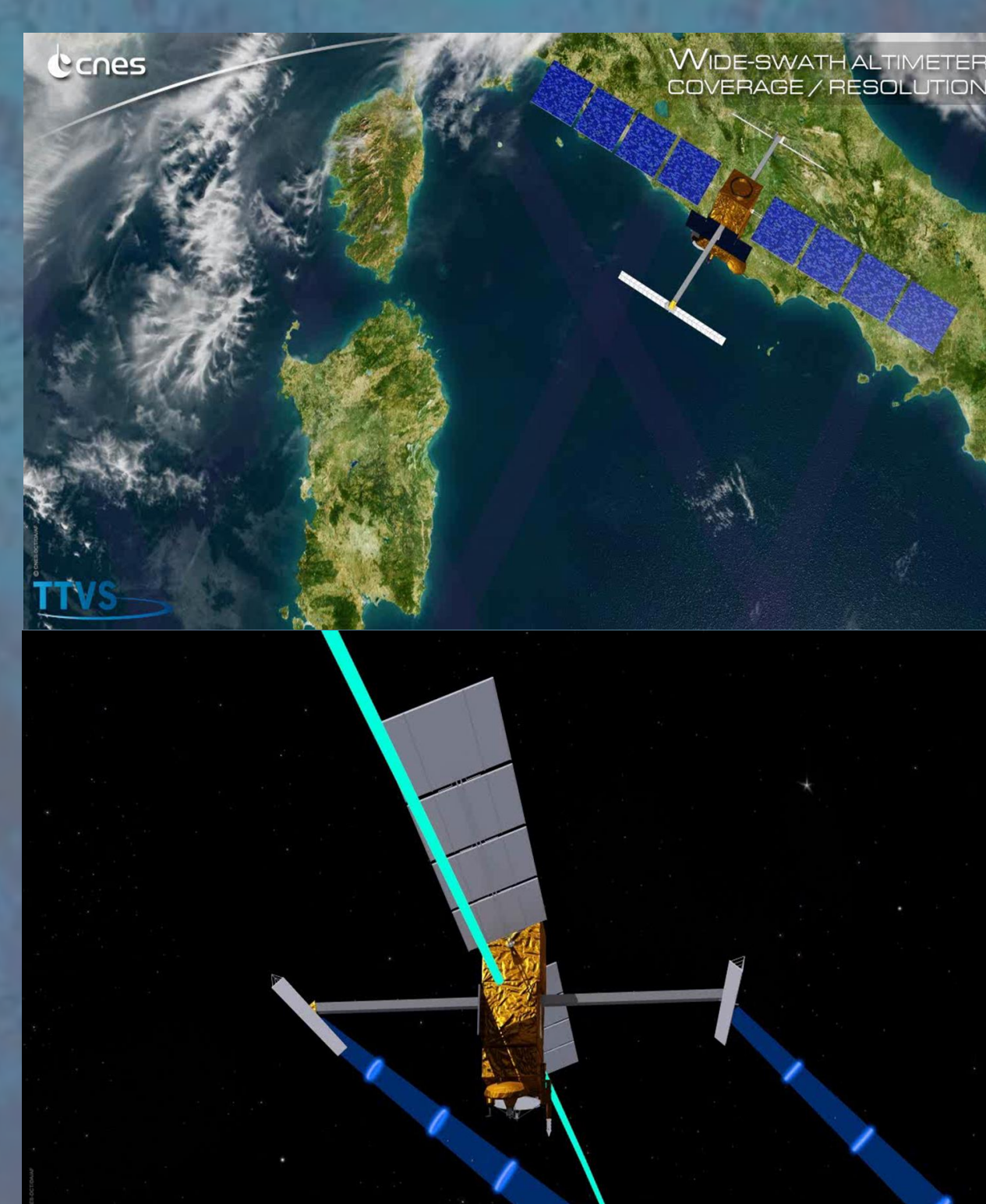"Images of the Month" for technical / scientific applications

News for "general public" events, in the newspapers/media – floods, droughts, ENSO, monsoons, water management issues between countries, …

AFP/Vietnam News Agency, 2017

H. Yésou, Sertit/iCube

Explaining Swot

What would **YOU** need / wish / use?
for trainings, courses, presentations, lectures… To be defined and developed, on hydrology and oceanography alike, nadir & Swot altimetry.

NB. CNES TTVS animations available on request (with an agreement to sign)

Swot products

What will be the Swot products?: formats, parameters, latencies, …
Users and would-be users need to really understand what they will have, at first on a broad sense.
Why and How the products will be used in a practical sense will come later.