

A detailed illustration of the Jason-3 satellite in orbit. The satellite is a gold-colored cylindrical body with various instruments and antennas. It has two large, rectangular solar panel arrays extended from its sides, each composed of many smaller blue solar cells. A large, black, circular dish antenna is mounted on the front. The satellite is positioned over a view of Earth, showing the blue oceans and white clouds. A beam of light from the satellite's instruments illuminates two circular cross-sections of the Earth, showing colorful, textured data maps of the ocean surface. The background is the deep blue of space.

Outreaching a space technique
through its climate applications:
Jason-3 & COP21

Meeting of events

- 21st Session of the Conference of the Parties to the United Nations Framework Convention on Climate Change, to take place in Paris from Nov 30 to Dec 11.
- Jason-3 launch planned Dec. 15
(Sentinel-3A Dec. 10)



➔ Climate « the » topic in France in (late) 2015

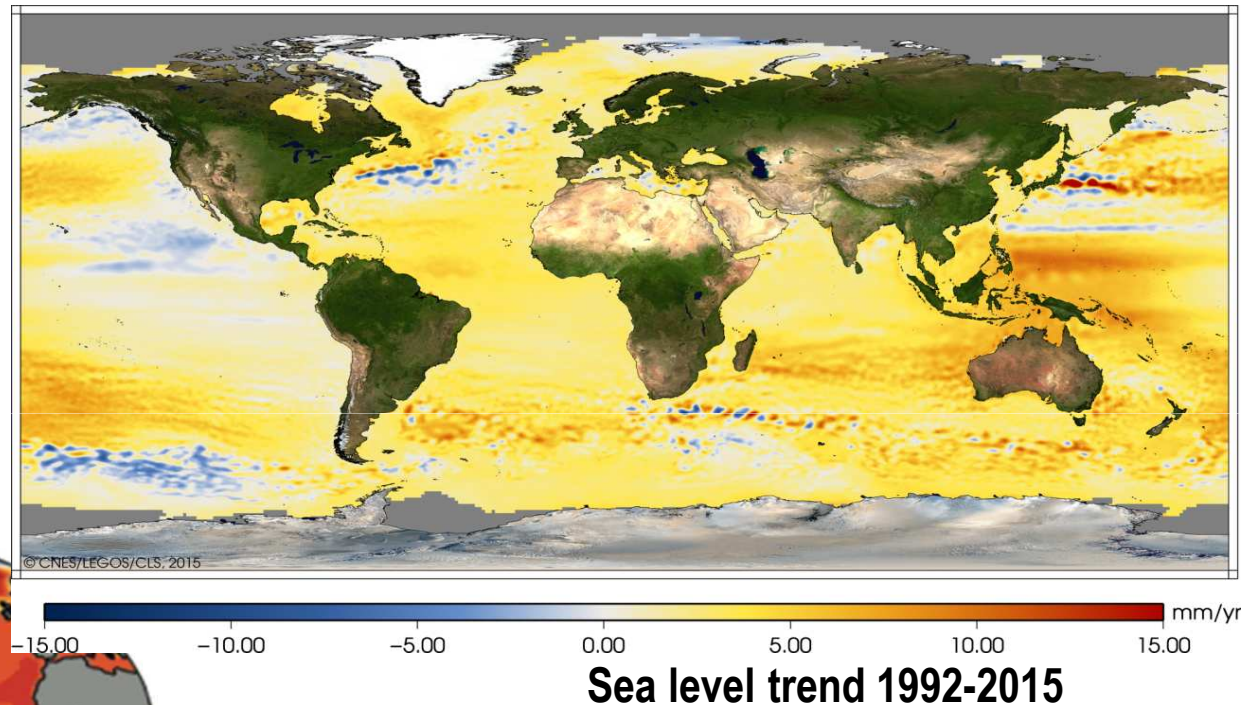
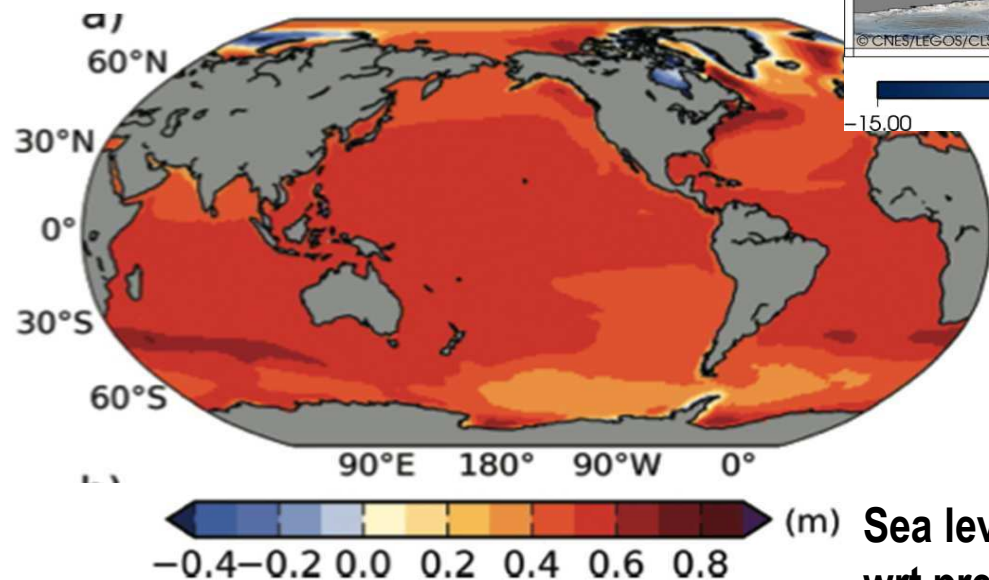
Meeting of events

- For the Media, no subject without an event here, **TWO** events:
 - a big climate conference,
 - a satellite launch
- ➔ Use the climate topic to talk about Jason-3 (altimetry)
- ➔ Use Jason-3 (altimetry) to talk about climate. And vice-versa.

Focus

Climate, OK, but what about it?

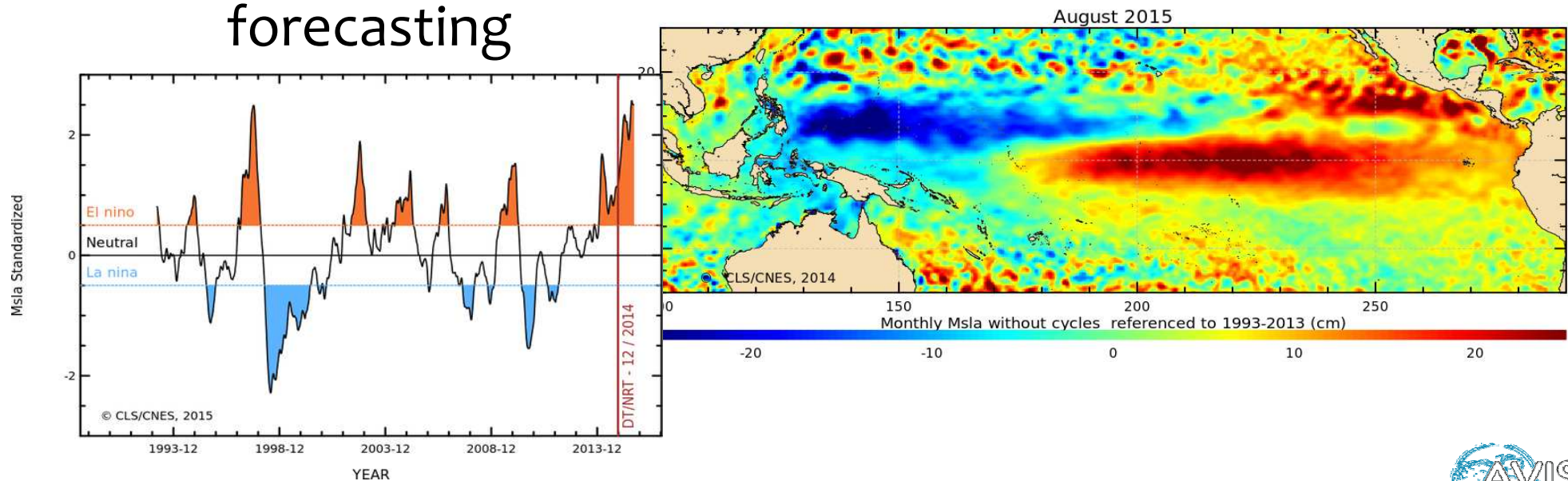
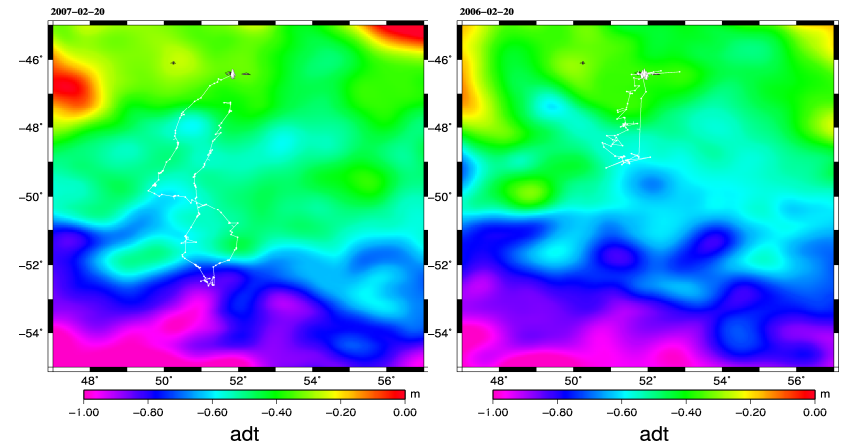
- Climate change impacts monitoring forecasting



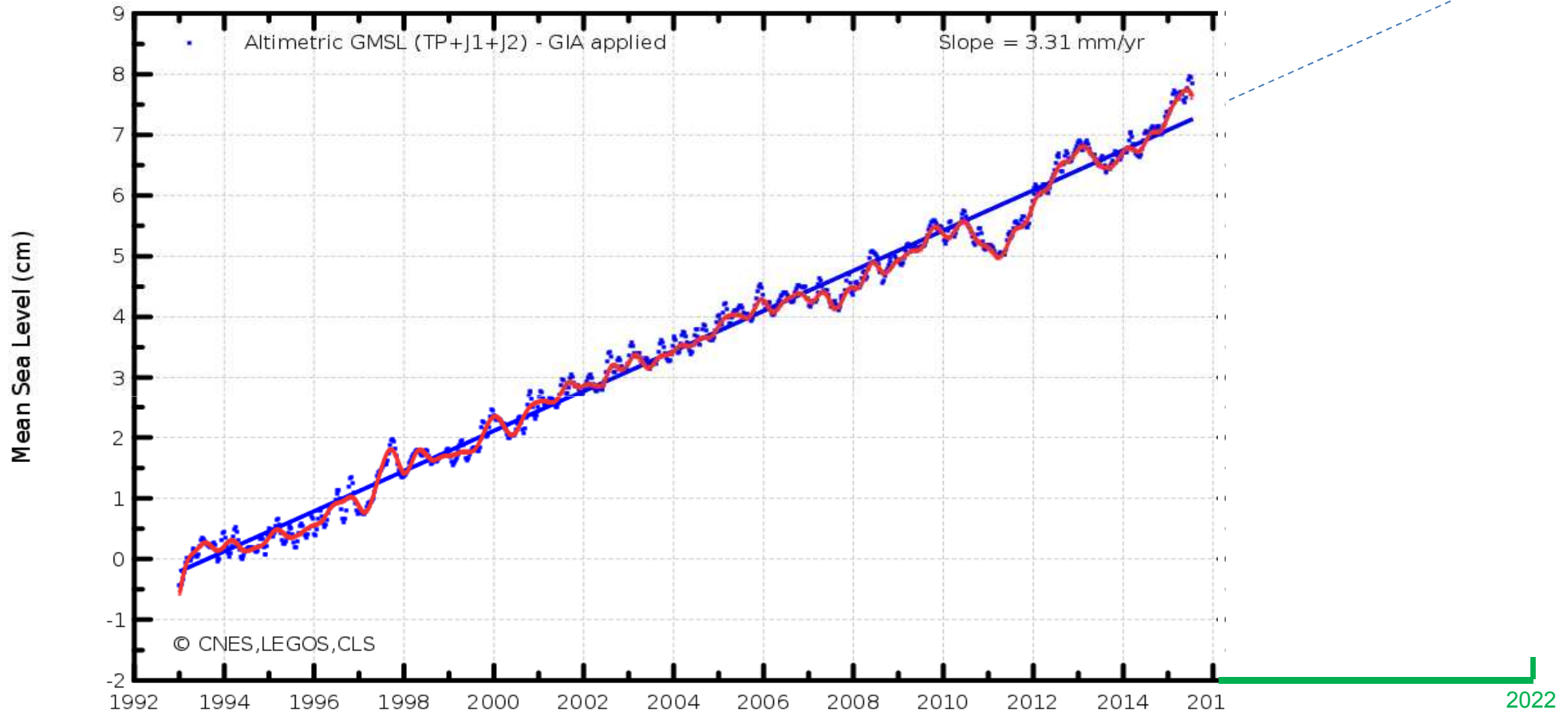
Focus

Climate, OK, but what about it?

- Climate change
- But also climate variability
(El Niño's helping this year)
impacts
monitoring
forecasting



At the end of Jason-3 (expected) life-time



30 years of altimetry = climate-relevant period

30 years of altimetry

- An occasion to be celebrated!
(well... there's still some time ahead to order the champagne and canapés)
- Another occasion to talk about climate and altimetry both
- Waiting 2022, the fact that Jason-3 will enable to reach a 30-yr continuous altimetry measurement IS a topic today

Who?

- General public through the media
- Students through teachers
- Decision-makers



How?

- CNES:
 - Climate Dôme
 - Climate cube with ESA



- CNES :
 - Series of fact sheets for teachers (about environment in general, but with an important focus on climate-related issues : El Niño, sea level rise, polar bear and penguins environment changes)

ÉTUDE N° 01 CLIMAT Florence Danveau : climatologue, Jean-Bernard Vaujean : Chef de pôle recherche

Les enjeux de l'eau en Afrique subsaharienne



ENVIRONNEMENT CLIMAT 2015

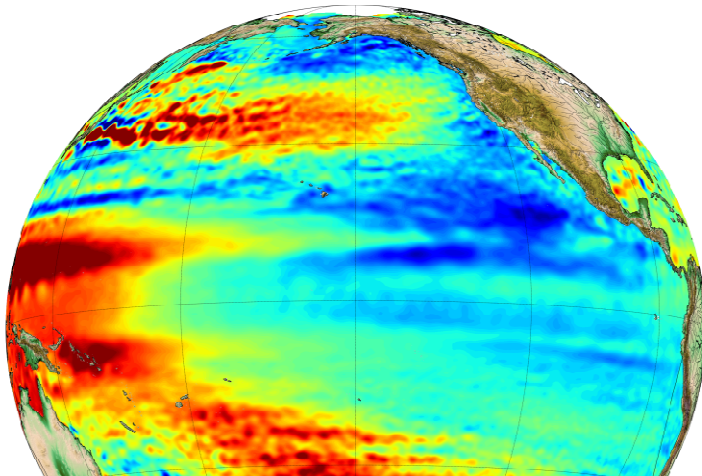
L'exemple de la région de Taredji

Au nord du Sénégal, la région du Fuuta Tooro constitue un milieu caractéristique de la bande sahélienne. Cet espace est marqué par l'aridité (moins de 400mm de précipitations/an), une saison des pluies bien définie (90% sont concentrées en août et septembre). L'insécurité face à l'approvisionnement en eau pour les populations locales constitue un des premiers enjeux de développement et d'aménagement pour les habitants. Malgré cela, la rive gauche du fleuve Sénégal est peuplée à plus de 80% par des agriculteurs et ce depuis des siècles. Avec une image Pléiades de la fin avril (fin de saison sèche), étudions les dynamiques humaines liées à ces conditions naturelles particulières.

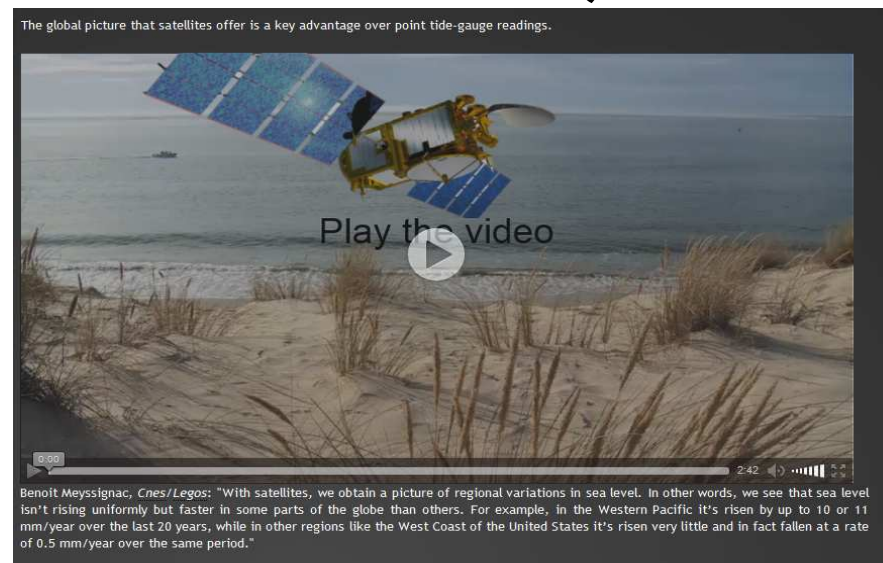
GRANDES THÉMATIQUES	PISTES DE RÉFLEXION
› Occupation humaine d'un milieu contraignant, Contrainte, Ressource, Télé-épidémiologie	› Comment mettre en valeur un territoire marqué par une forte aridité? › Comment les satellites aident-ils à comprendre les dynamiques liées à l'eau en zone sahélienne?

cnès
CENTRE NATIONAL D'ÉTUDES SPATIALES

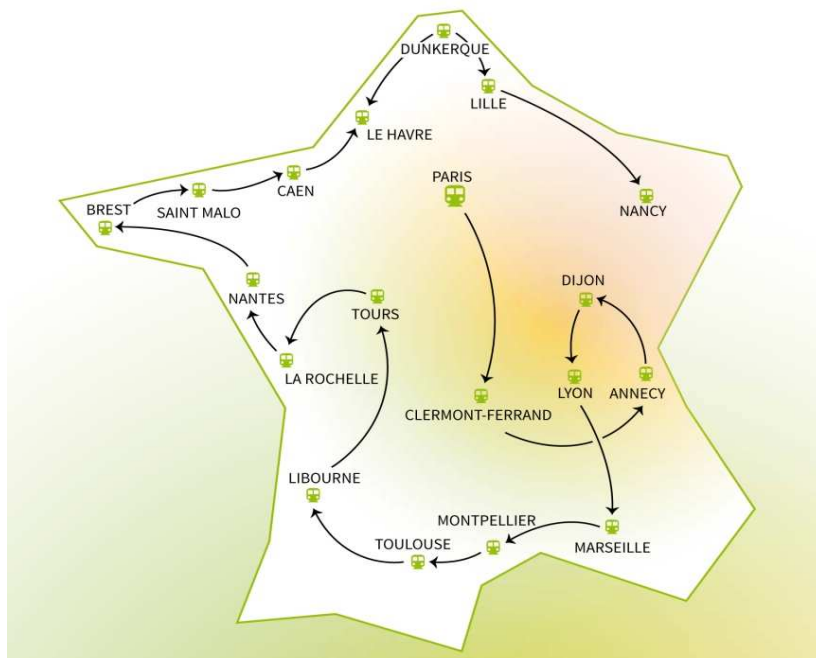
- CNES / Aviso+
 - Updates of climate-related web pages, usual indicators (MSL, ENSO)
 - new images/videos in the Gallery
 - Image of the Month on El Niño
 - Jason-3 videos published on the web (once every two weeks)



ES/EGOS/CLS 2015



- Scientists (from Legos, among other laboratories):
Climate train, touring France with an exhibition stopping in some railway stations



What about you?

- Did you do some outreach activity?... with a link with Jason-3, with climate, both?
 - E.g. N. Zelensky did a presentation he needed some slides and contacted me ; some I had, others not.
I'll be keeping both in mind, for future developments
 - What would you need?
What would you share?
- ➔ Don't hesitate to contact us!

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- Climate conference, Jason-3 launch
= events when altimetry can be outreached,
including through media
 - Prepare to be interviewed, to do lecture, present
in your kids'school...
 - Outreach team can help you with material