**Best effort:** the uses of satellite cartography in disaster monitoring



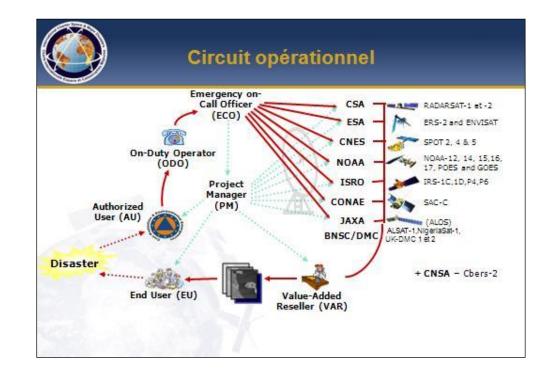
Flood monitoring map, Xynthia Tempest, Charente, maritime mars 2010. Crédits : SERTIT

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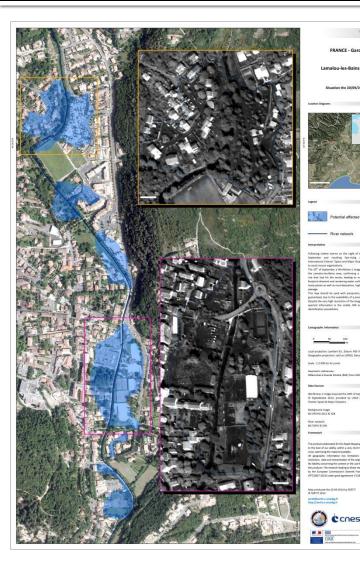
#### Introduction

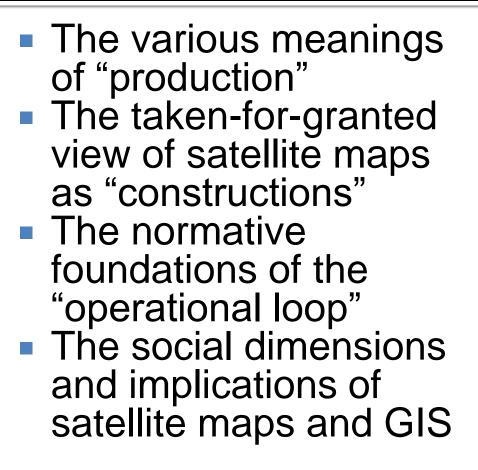
- Rapid mapping in the context of "disaster management": a case study in the domestication of satellite imagery
- The Charter Disaster (if you are connected now, just have a look at disastercharter.org)
- How it works in a few words
- Two parts: 1/ the very idea of "cartographic production"; 2/ "productive" examples of the possible uses of





### 1. Producing maps for disaster management





Last activation of the Charter, situation Map, Lamalou-les-Bains area, Gard, France. Source: WorldView-1. Copyright: DigitalGlobe 2014 . Map produced by SERTIT.

# 1. Producing maps for disaster management (bis)

- Images for practical concerns
- Instituting a stratification of knowledge (and its producers)
- Maps and epistemic authority
- "Satellite ocularcentrism" (Barney Warf)
- Crisis mapping and the sciences of disaster: the "social order" paradigm (Dodier)



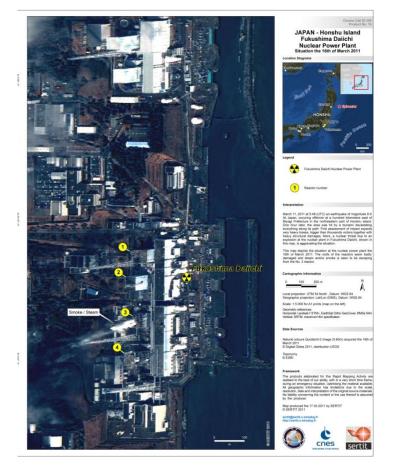
Event space map on a petro-chemical site, New-Orleans, USA, Katrina Hurricane, sept. 2005. Crédits: SERTIT.

## 2. Satellite images that are talked

The social and cultural incorporation of crisis space maps
The Fukushima accident: the dramatic view from above



March 16, 2011. Credits : DigitalGlobe



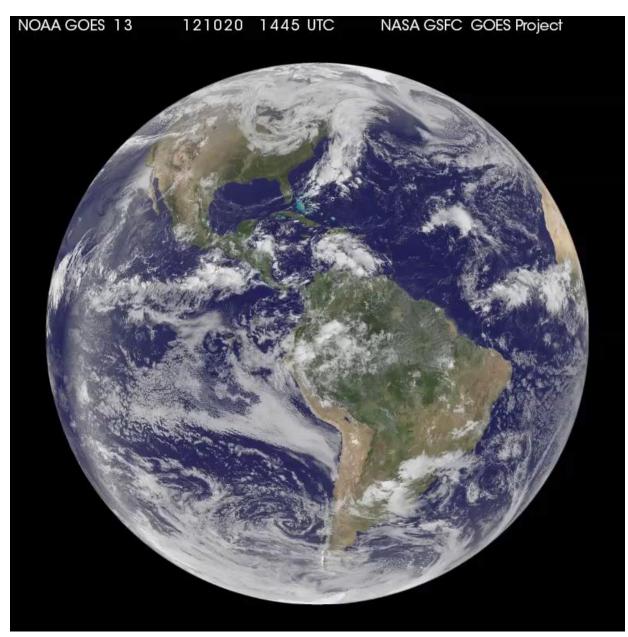
Japan, Honshu Island, Fukushima Daiichi Nuclear Power Plant, situation the 16th of March 2011, Credits :



Screenshot from the *NYT* website, March 15, 2011. (*NB*: the surprising contrast between satellite views and the advertisement for a 5 days holidays is accidental.)

#### The

- normalization of catastrophes and their satellite visualizations
- One example:
   Sandy



Satellite animation with NOAA's GOES-13 and GOES-15 observations from Oct. 21-30, 2012. Credit: NASA GOES Project.

#### Conclusion



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Pleiades satellites constellation. Crédits : CNES  Studying environmental images?

 Overinterpretations and hyperbolic conjectures about the satellite imagery

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