



Oceanography in the future Grenoble Science Museum

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Observatoire des Sciences de l'Univers de Grenoble

Fall 2015: Science Museum (Maison Climat Planète)

300m² total

One « stand » per topic

Sedimentology

Fossils

Mineralogy

Earth origin

Internal Earth

Environment

Earthquakes

Tomograph

Planetology

Astrophysics

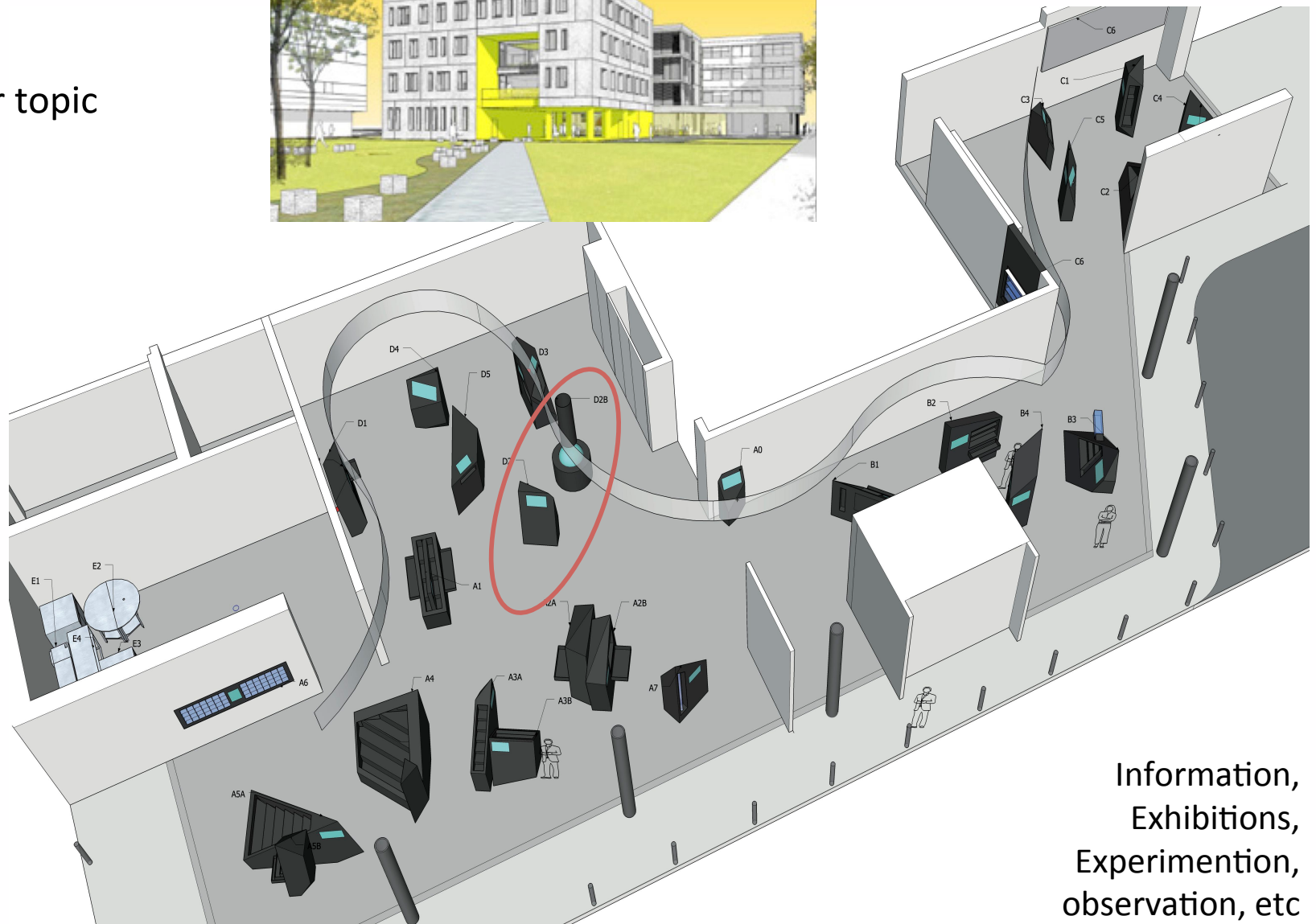
Climate

Oceanography

Glaciology

Tsunamis

...



Information,
Exhibitions,
Experimentation,
observation, etc

Oceanographic « stand »

interactive 24" screen 1

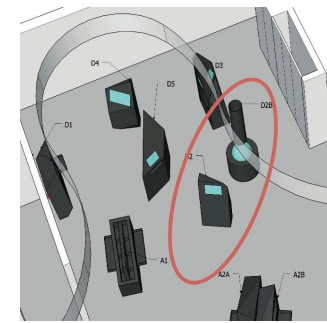
Oceanography in Grenoble

- Observations (**Satellites**, **altimeters**, in-situ)
- Modelling (currents, climate, etc)
- **Assimilation** (principle, exemples)
- Processes (**intrinsic variability**, turbulence, biogeochemistry)

interactive 24" screen 2

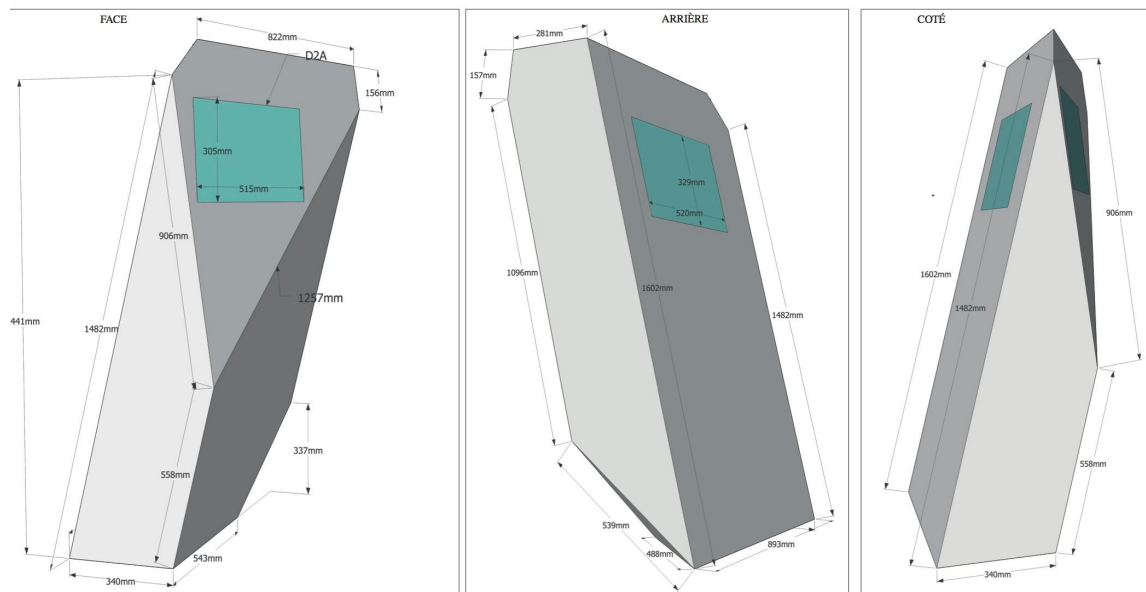
Ocean forecasting (w. Mercator)

- Principle
- Global forecasts (SSH, SST, sea-ice)
- French coasts forecasts ($\underline{U}_{z=0}$, SLA, biogeochemistry, tides)

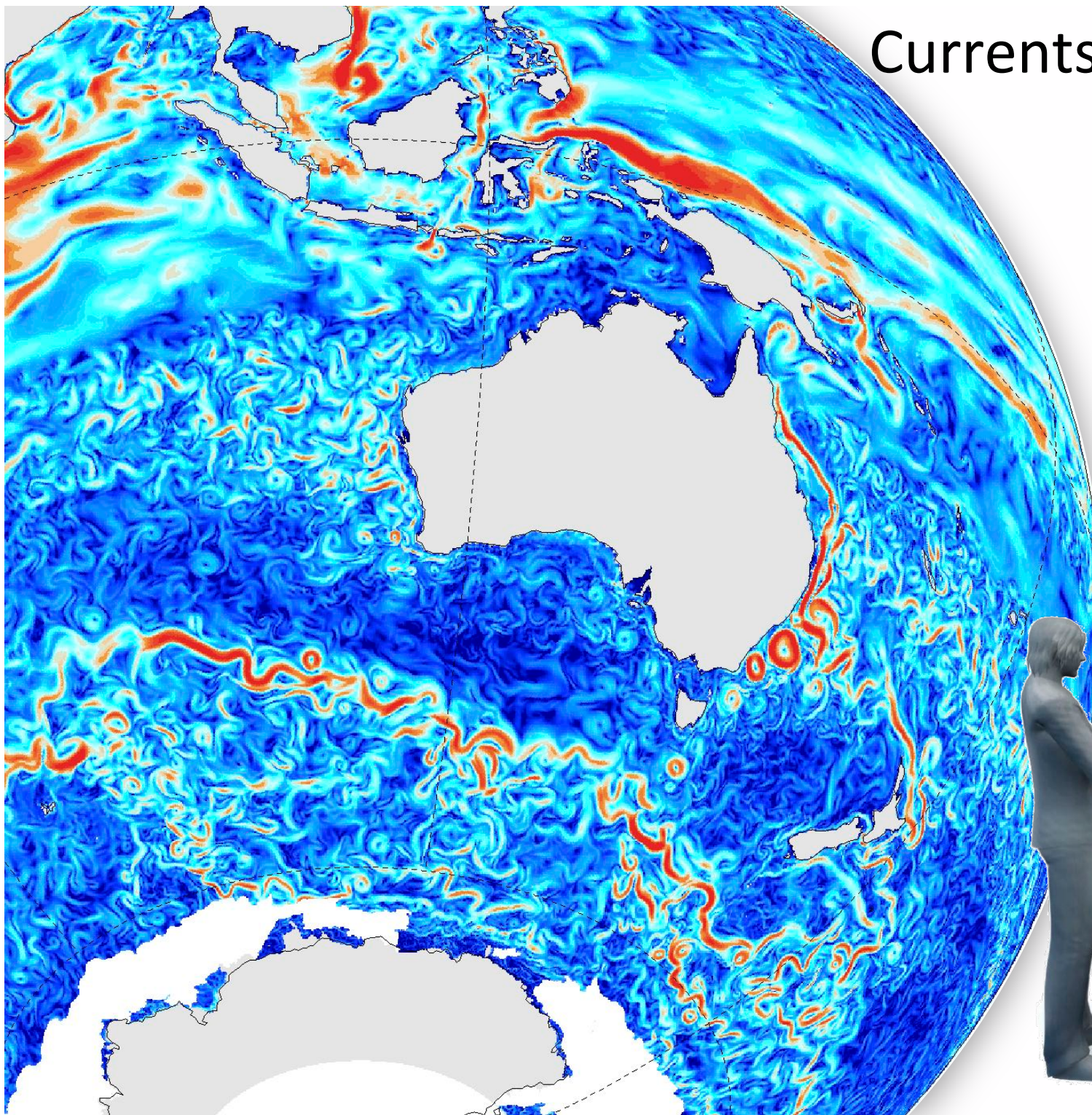


interactive video globe

SSH, SST, deep flows, seasonal cycle, etc



Currents on the sphere



Thanks !



Esquisses