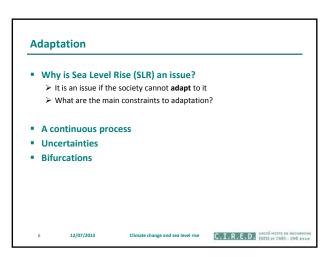
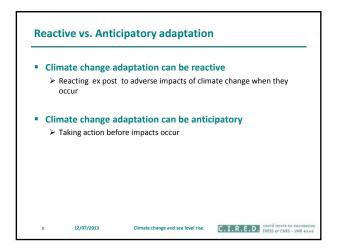
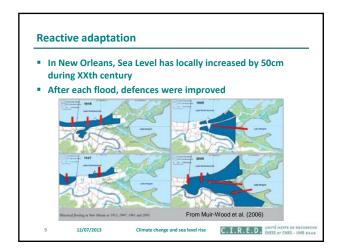


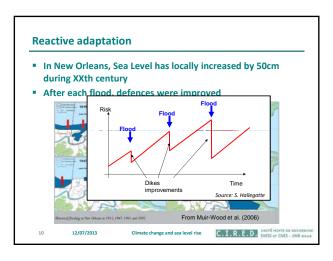
## Locally, SLR can have impacts on a wide range of sectors: Health issues and casualties, destructions, decrease in business activity, biodiversity losses etc. Economic losses can affect areas much larger than locations directly affected by the hazard SLR can also induce global issues: International migrations, wars, breaks in international trade etc. CLIRELD WITH THE TABLEMENT OF TABLEME

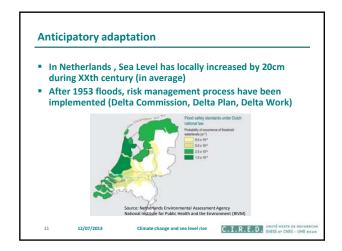


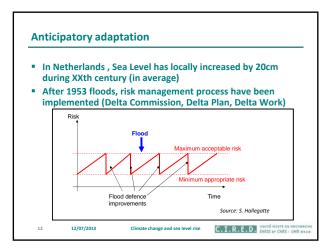
## CO2 concentration, temperature, and sea level continuous process CO2 concentration, temperature, and sea level continue to rise long after emissions are reduced Time taken to reach equilibrium The back head new during the several militarials Sea head new during to the melling several militarials Sea head new during the several militarials CO2 emissions We need to be adapted in 2100, but also in 2030, in 2050 ... And in 2120, 2150... We have to adapt to a perpetually changing climate



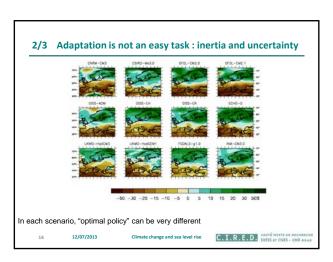


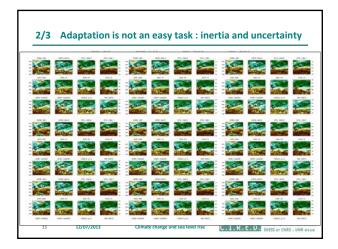


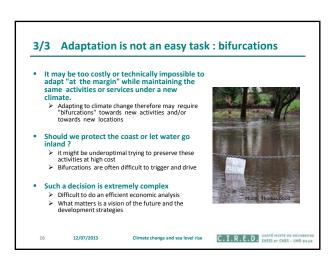


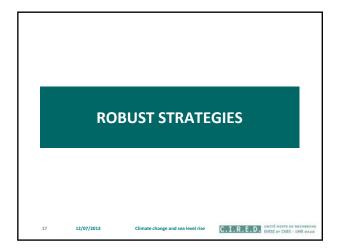


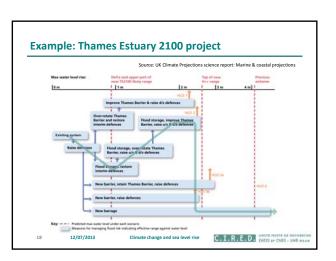


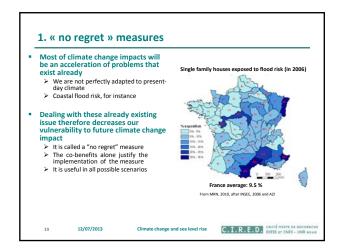


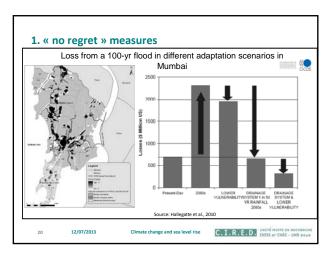


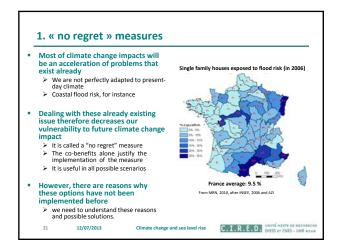


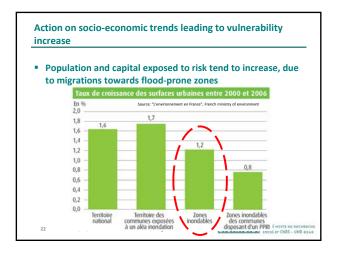


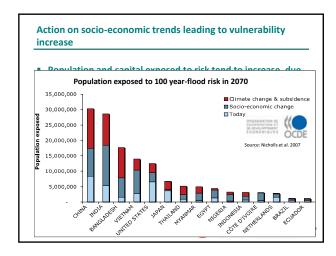


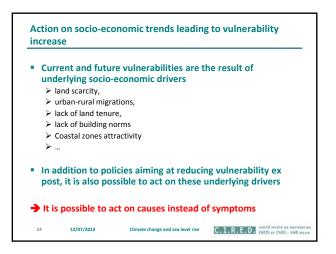












## 2. Other robust strategies (Hallegatte 2008)

- Favoring reversible strategies over irreversible ones:
  - ➤ More restrictive land-use plans;
- Favoring financial and institutional ("soft") adaptation over "hard adaptation":
  - > Early warning, evacuation and insurance vs. sea walls and dikes.
- Investing in low-cost "safety margins":
  - > Drainage infrastructures in Copenhagen.
- Reducing investment lifetimes:
  - $\,\blacktriangleright\,$  Housing building quality and lifetime in flood-prone areas.



## Conclusion

- Societal and Economic Impacts of Sea Level Rise will depend on the way we adapt to them

  - SLR is an issue only if the society cannot adapt to it
     To this respect, analysis of sea level rise potential impacts shows great similarities with the analysis of climate change potential impacts on other contents. sectors
- Adaptation is not an easy task
  - > it is difficult to design an optimal mix of policies, especially because the target is moving
  - ➤ And because we have to deal with uncertainty
- However, this is not an excuse for inaction
  - No-regret measures, reversible policies... are tools which enable to design robust strategies

12/07/2013

