









### Conclusions and Perspectives

- Improve the reconstructions
  - with more tide gauges to better constrain the Kaplan optimal interpolation
  - Perform 2-D reconstructions with an ensemble of Input spatial grids to construct an 'ensemble mean' reconstruction by averaging the different reconstructions
  - Use of other function basis (C-EOFS? cf Hamlington et al. 2011)
- Produce regional reconstructions where it is needed (Mediterranean sea, Arctic sea, Gulf of Mexico...)
- Use of more GPS/Doris estimates of the vertical crustal motion to estimate the total relative sea level rise in vulnerable places (China, India)