

DIGITAL TWIN FOR MARINE FLOODING IMPACT :

A Demonstrator along French coasts

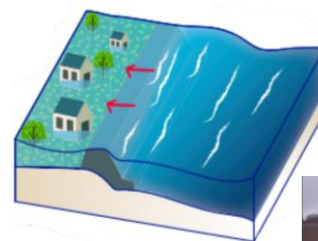
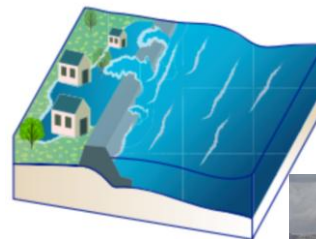
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Digital twin for marine flooding impact :

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Starting project :

- Implement a demonstrator to assess multiscale impacts of storm tide events





Source : Shom et Météo-France – projet *Homonim*

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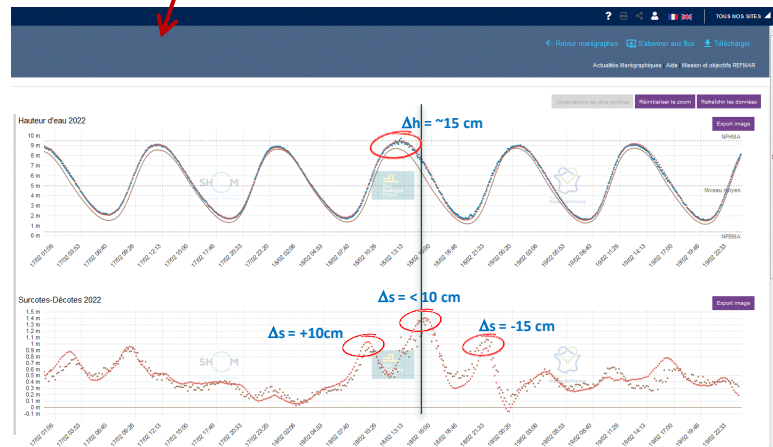
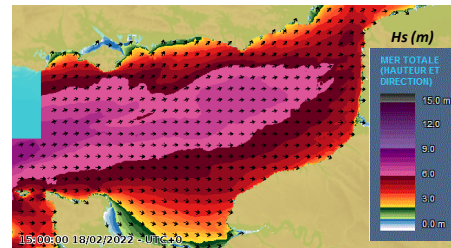
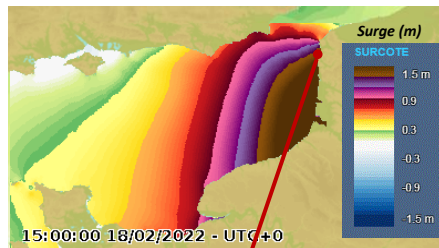
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We intend to adress two use cases :

- UC-1 : Routinely assess the impacts of a forecasted storm tide
- UC-2 : Simulate the vulnerability of an area to coastal flooding under climate change-induced sea level rise



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Issues we are facing:

- Which type of products for which type of modeling capacity ?
- Relevant information and dashboard for decision aid ?
- ...

