



Modelação de processos estuarinos e costeiros com o modelo SCHISM

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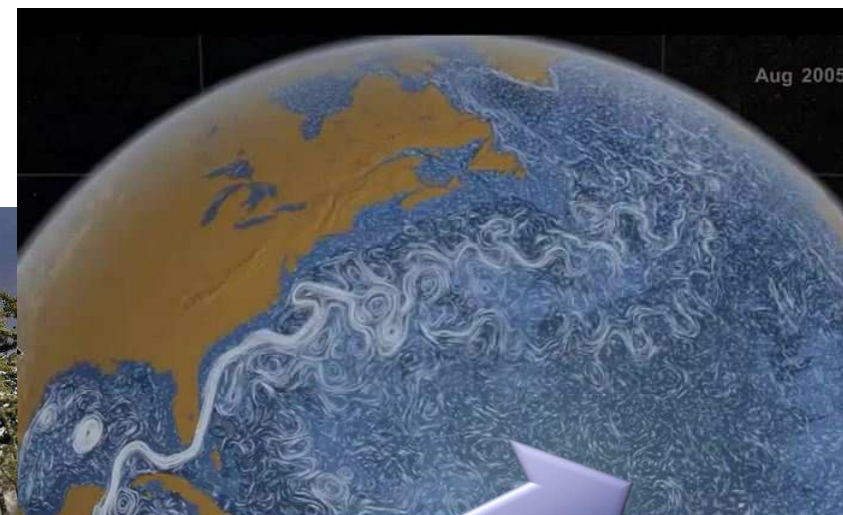
LABORATÓRIO NACIONAL
DE ENGENHARIA CIVIL



Agitação marítima



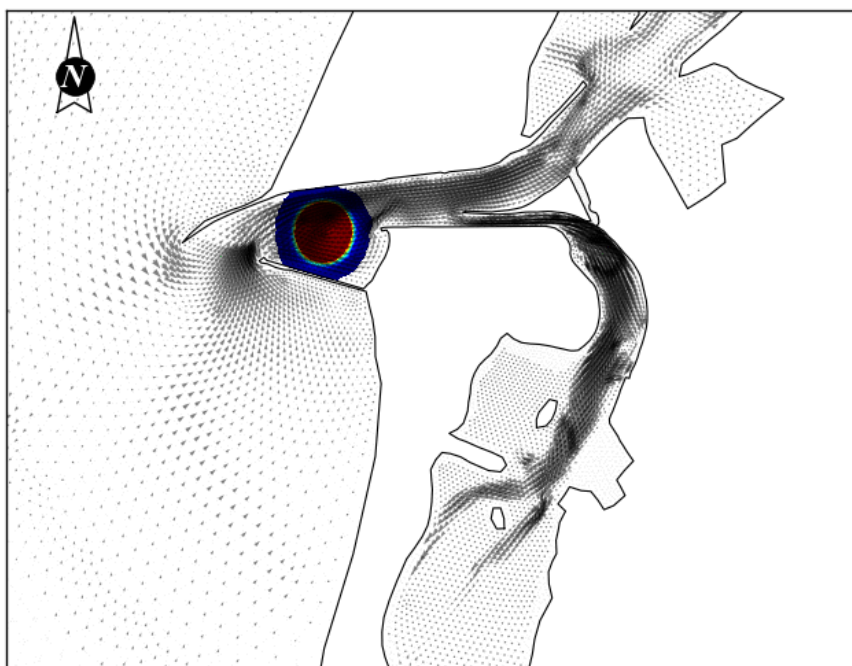
Tsunamis



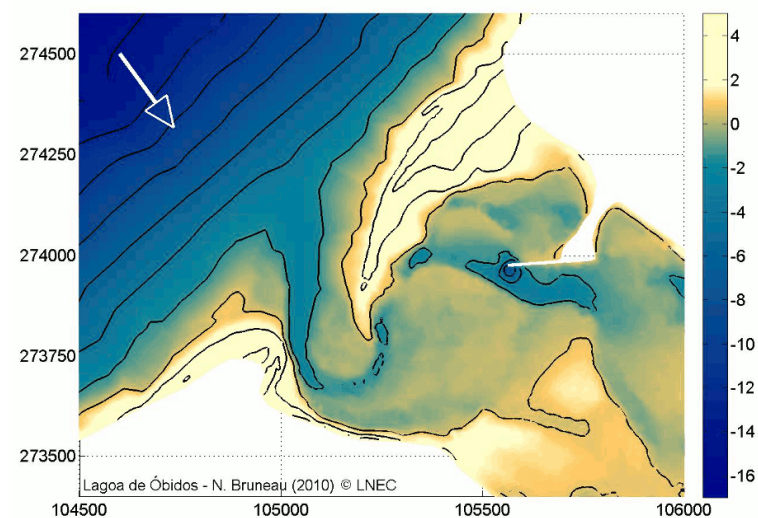
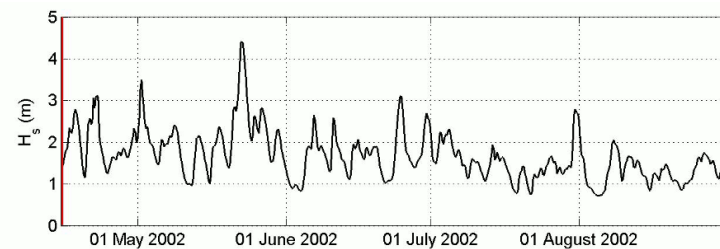
Escalas espaciais e temporais



Time=0.0 h



Evolução de uma pluma de hidrocarbonetos



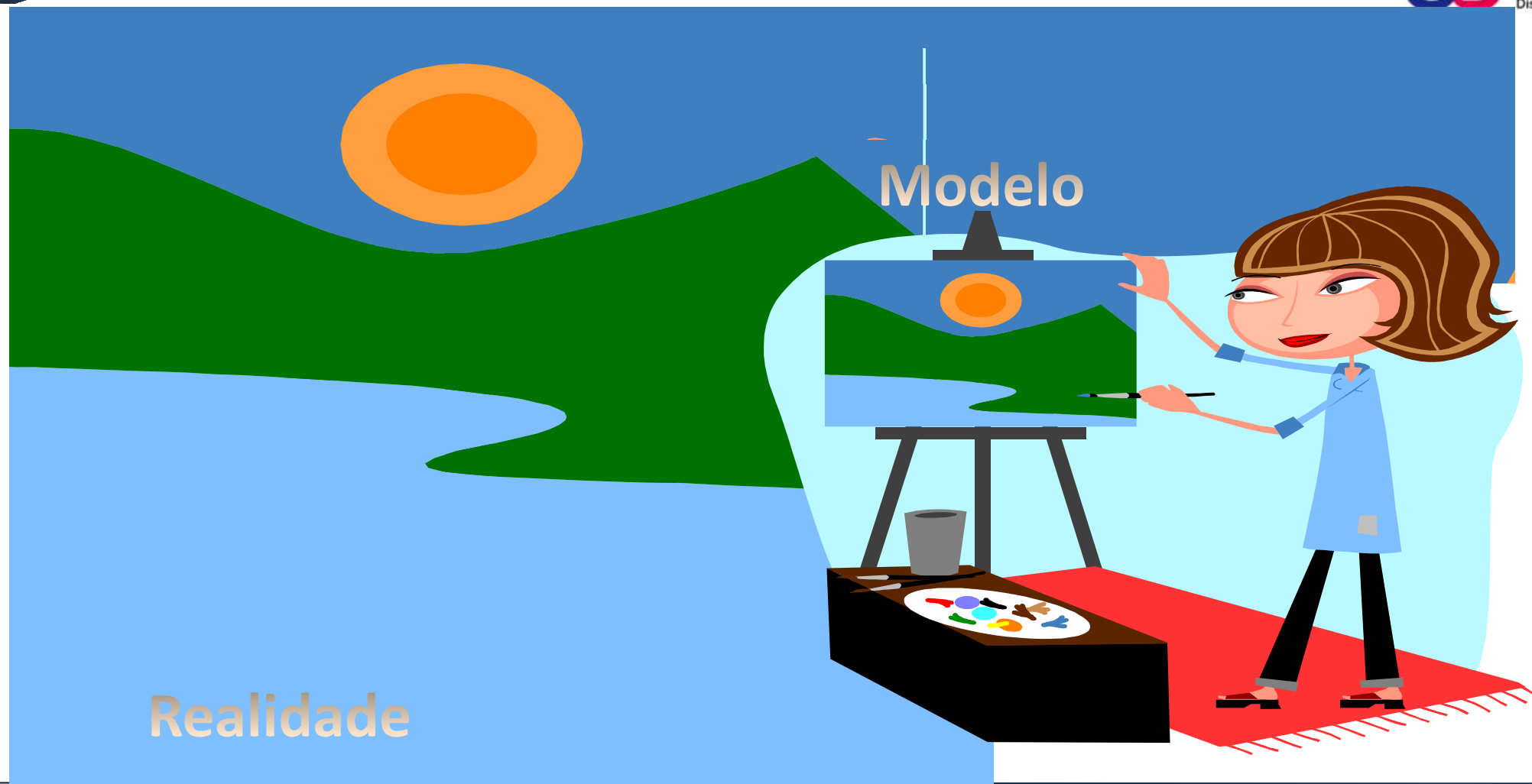
Evolução de uma embocadura



Realidade

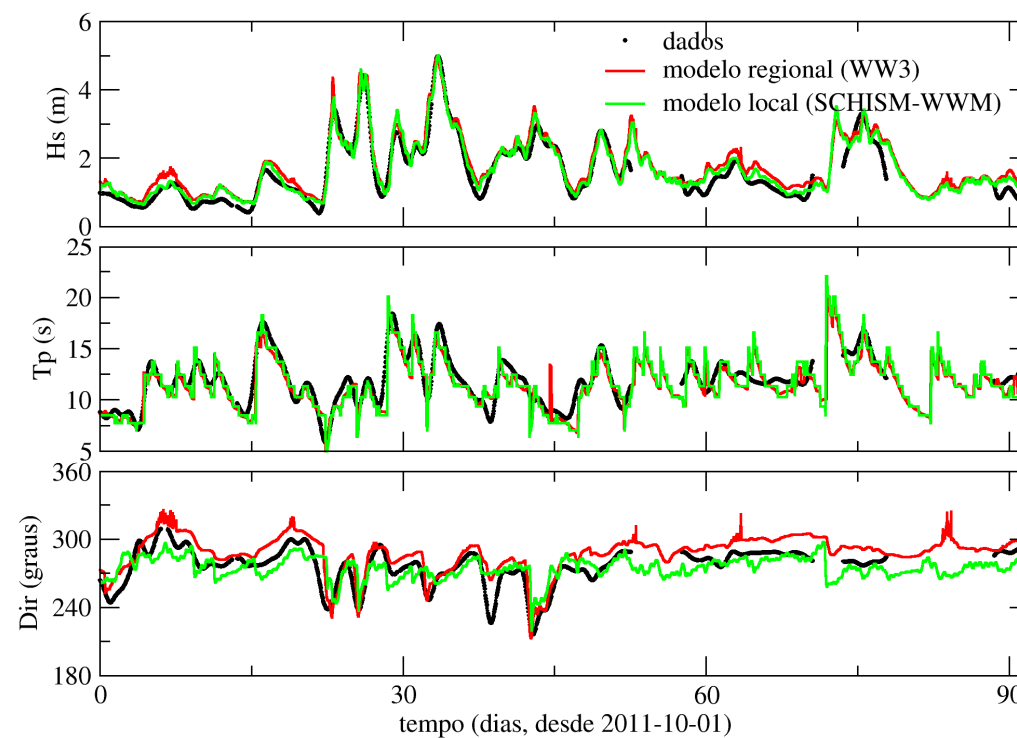
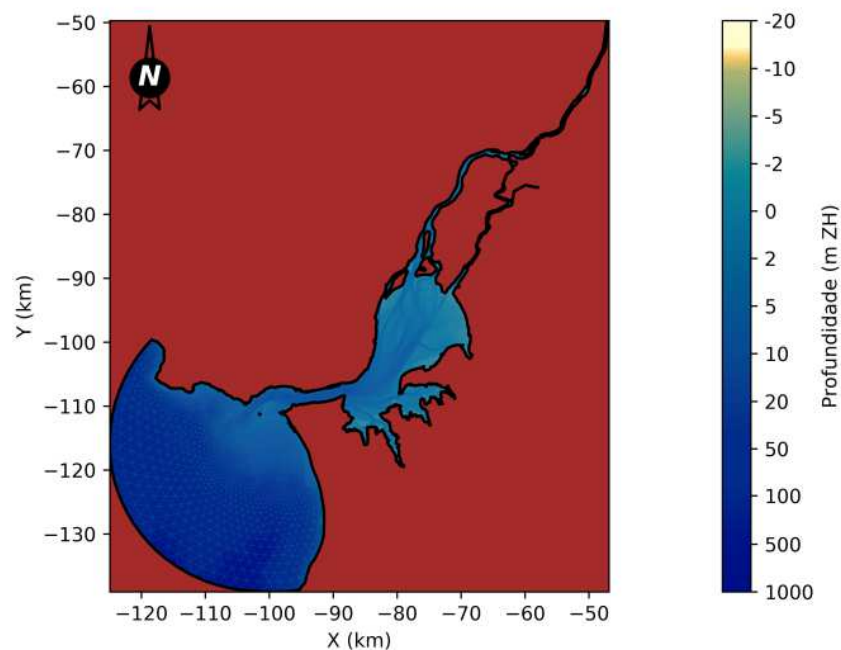


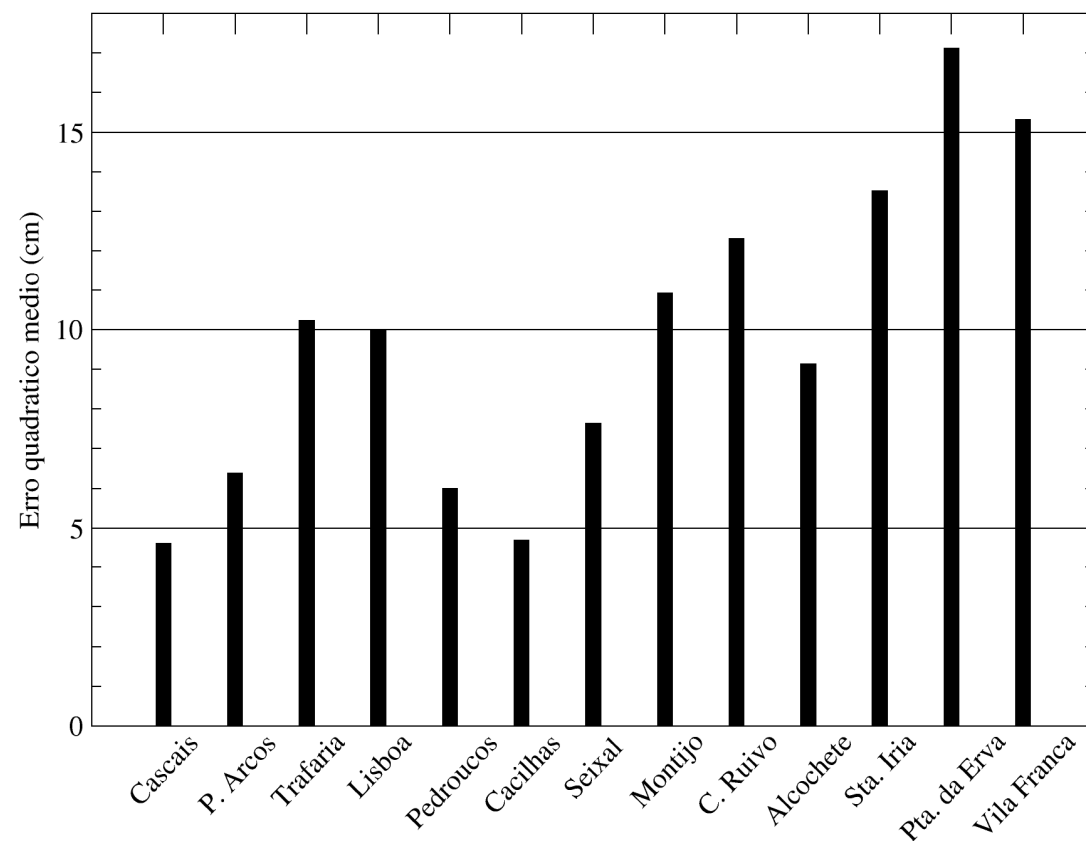
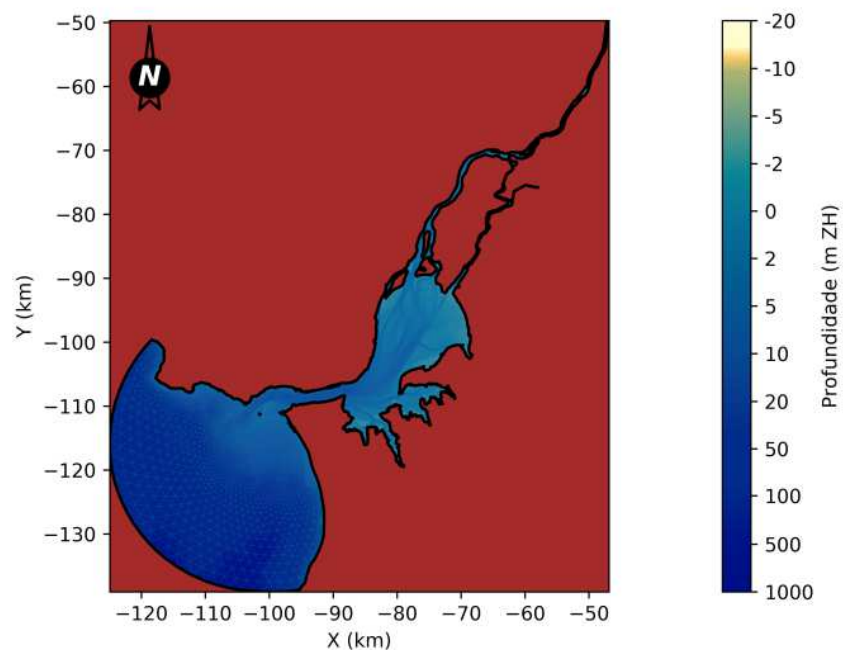
Modelo



“TODOS OS MODELOS TEM ERROS...”

...MAS ALGUNS PODEM SER ÚTEIS”



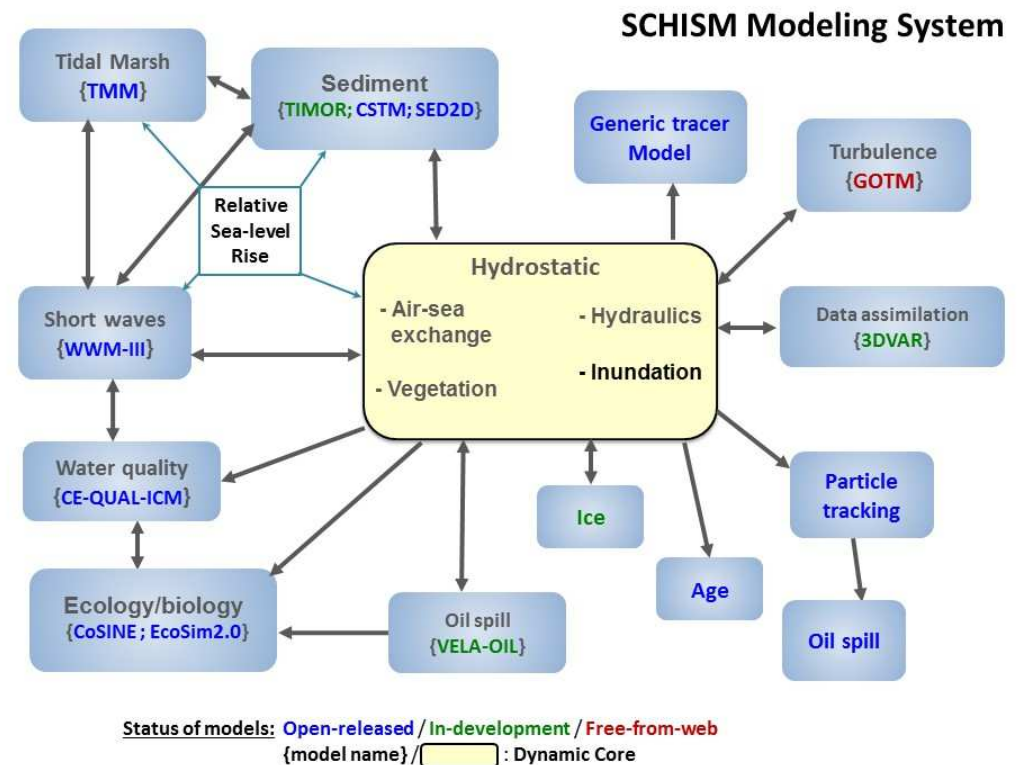


Introdução ao modelo SCHISM

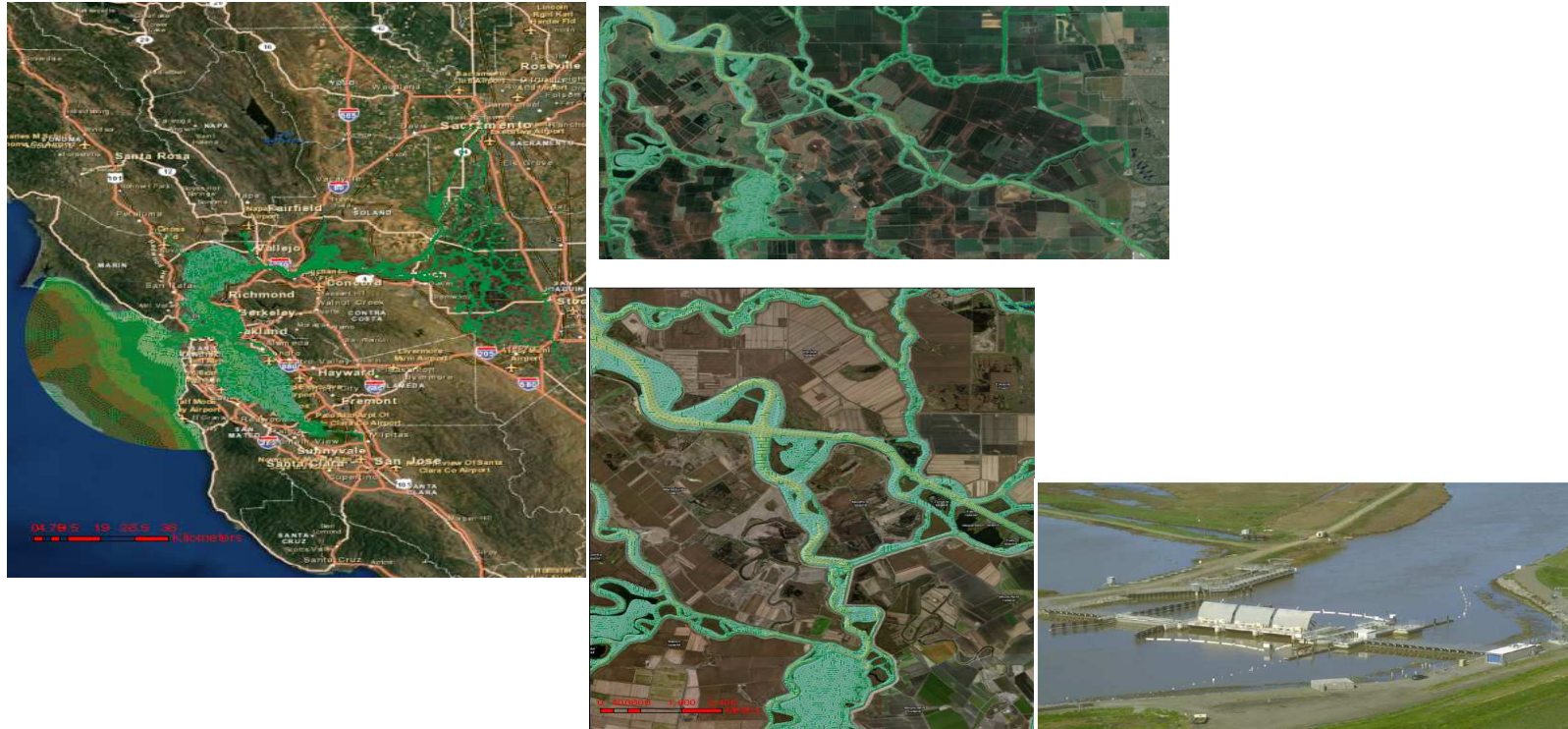
Semi-implicit Cross-scale Hydrosceince Integrated System Model



- Marés e sobre-elevação devida a tempestades
- Agitação marítima e sua interação com a circulação
- Circulação 3D baroclínica
- Tsunamis
- Dinâmica sedimentar e morfodinâmica
- Dinâmica de ecossistemas, biogeoquímica e qualidade da água
- Derrames de hidrocarbonetos



Fonte: <http://ccrm.vims.edu/schismweb>



Fonte: Prof. Joseph Zhang

Obrigado pela atenção!

Perguntas?



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