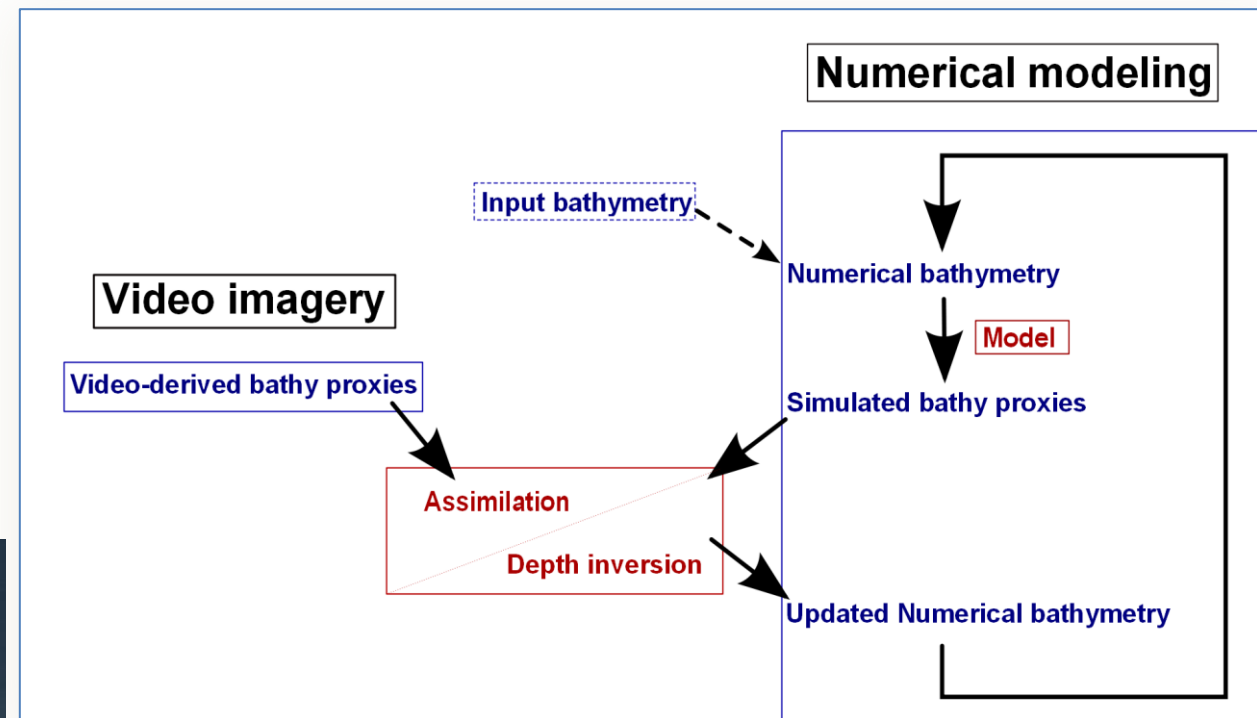
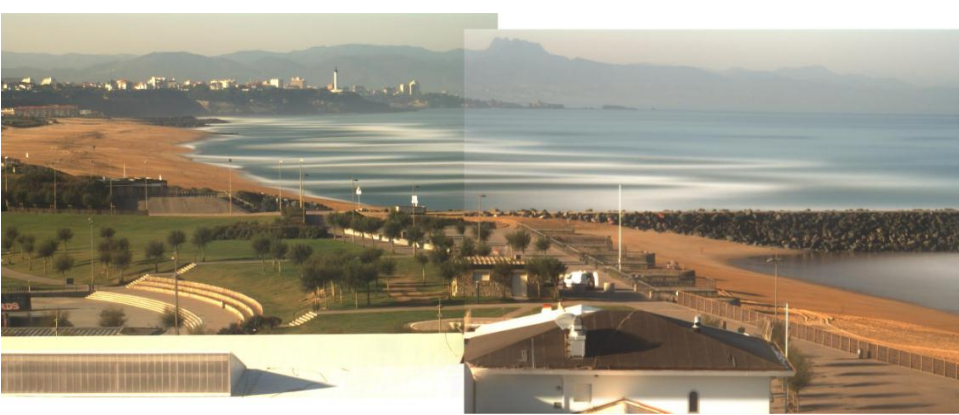
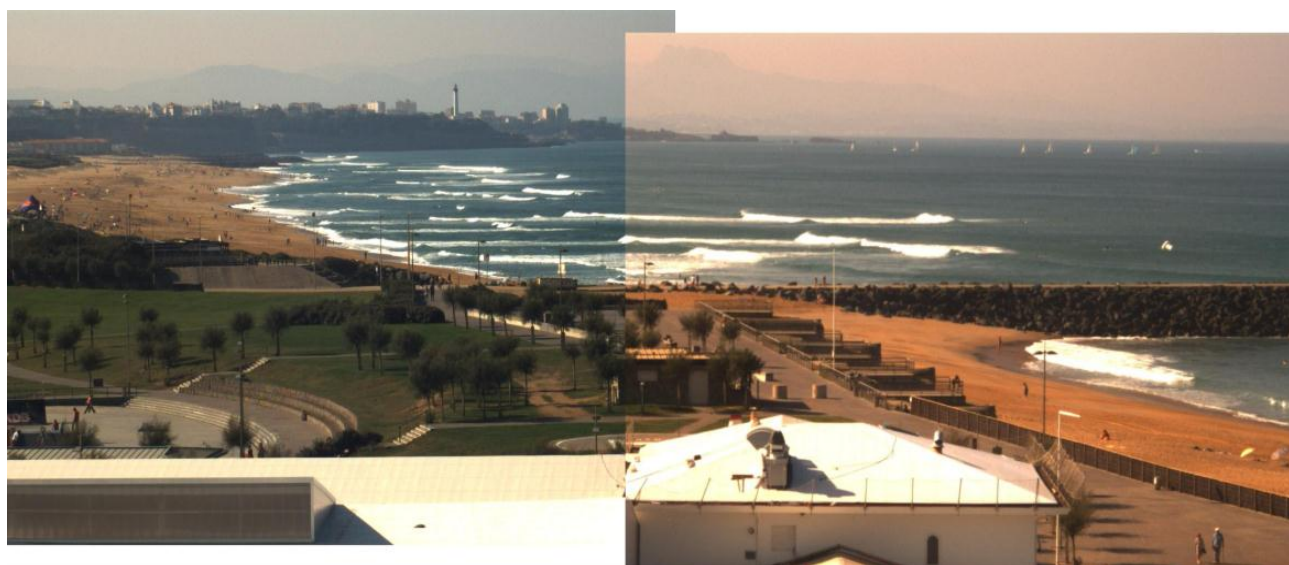


Implementing data-model assimilation techniques to the Basque Coast Beaches: preliminary results

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Data-model assimilation scheme:

$$\underline{\psi}^a = \underline{\psi}^b + \alpha(\underline{p}^{\text{obs}} - H\underline{p}^b)$$

- Notation:
- $\underline{\psi} = [\underline{p}^T, \underline{h}^T]^T$ the state variable
 - $\underline{p} = [\underline{c}^T, \underline{q}\underline{b}^T, \underline{b}\underline{i}^T]^T$ the corrective variable
 - α the Kalman's gain, i.e. trust in observation

