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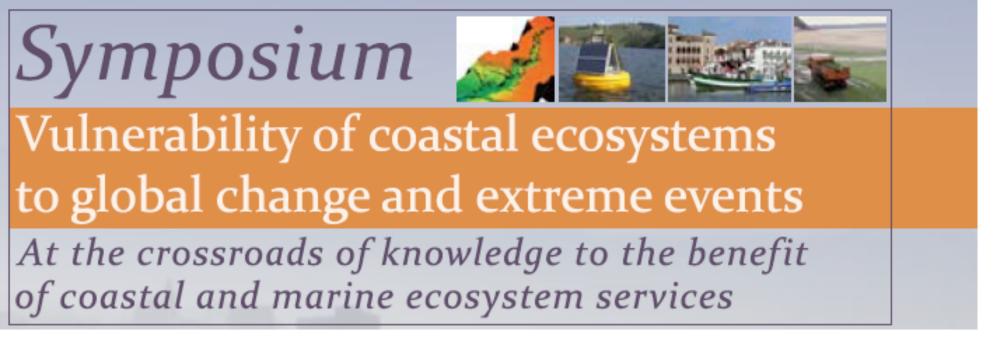
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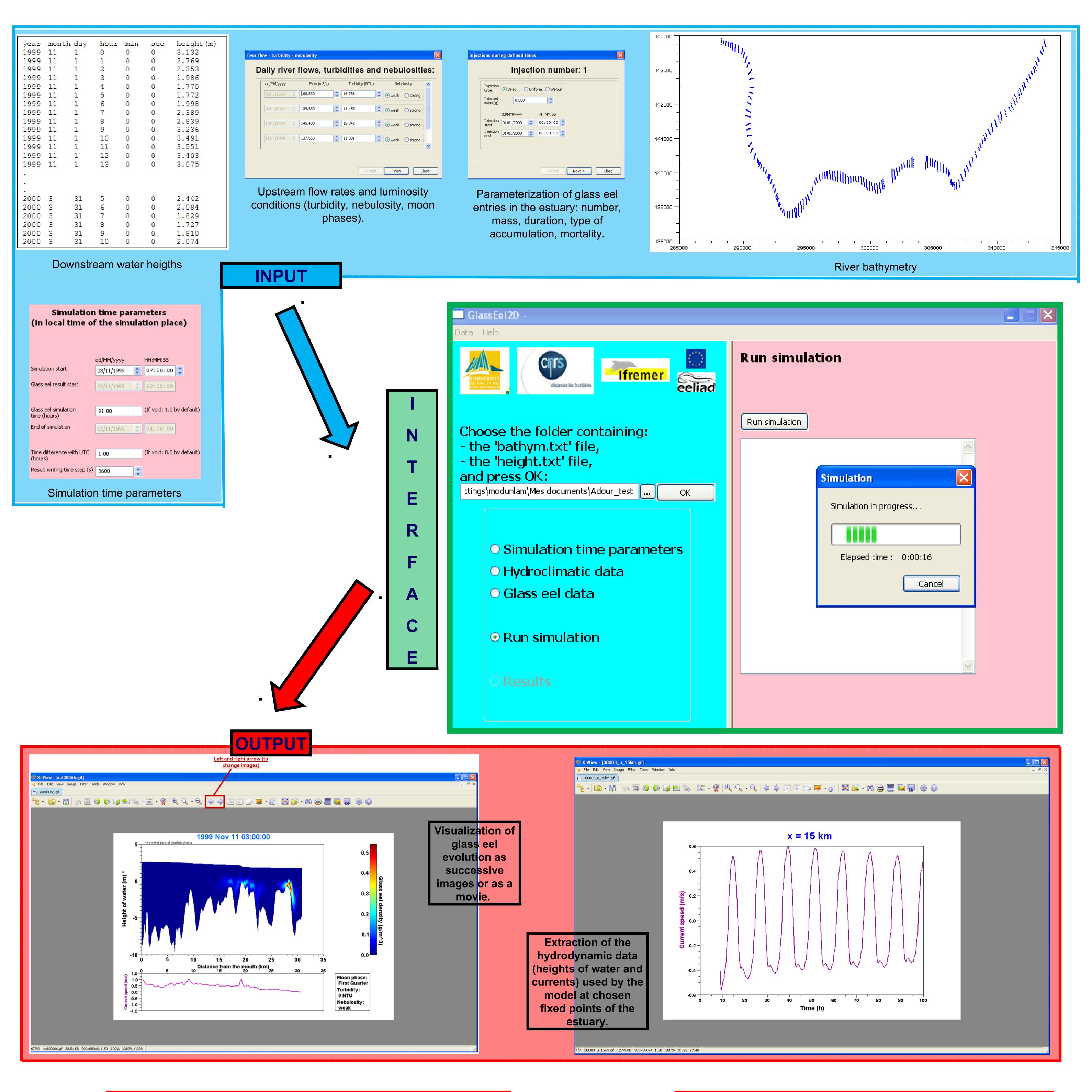




# "GlassEel2D": a software to simulate glass eel behavior in estuaries

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"GlassEel2D" is the Graphical User Interface of a code implementing the two-dimensional glass eel behavior model described in [1], allowing the simulation of glass eel migration in tidal estuaries. As shown as below **specific hydroclimatic input data** are needed by the GlassEel2D interface to produce results.



### **POSSIBLE APPLICATIONS**

This tool can be used by managers:

- to estimate the upstream migration speed of glass eels according to hydrological data,
- to detect the environmental conditions that stop or slow down their displacement into the estuary,
- to assess the catchability of glass eel runs in estuaries according to the hydroclimatic conditions observed a given day and a given fishing season.

### REFERENCES

[1] Analysis and visualization of the glass eel behavior (Anguilla anguilla) in estuary and estimate of its upstream migration speed. P. Prouzet, M. Odunlami, E. Duquesne and A. Boussouar. Aquatic Living Resources, vol. 22 n. 4, October/December 2009. DOI: 10.1051/alr/2009041.