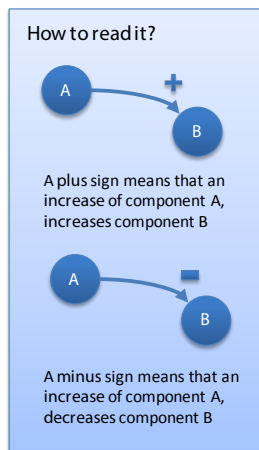




'Forrester' system mapping

The Forrester System Dynamics representation is a very useful technique to visualise and identify the system feedback loops and management levers as well as to define the scope and limits of the considered system.



Starting from a cognitive map, Forrester's approach brings the dynamics in the system, by identifying effects of one component on another. Putting together this type of representation demands an understanding of the socio-ecological systems and of its management levers. It helps identifying missing parts of knowledge.

This type of representation is also the basis to develop a numerical system model if necessary to better understand the system.

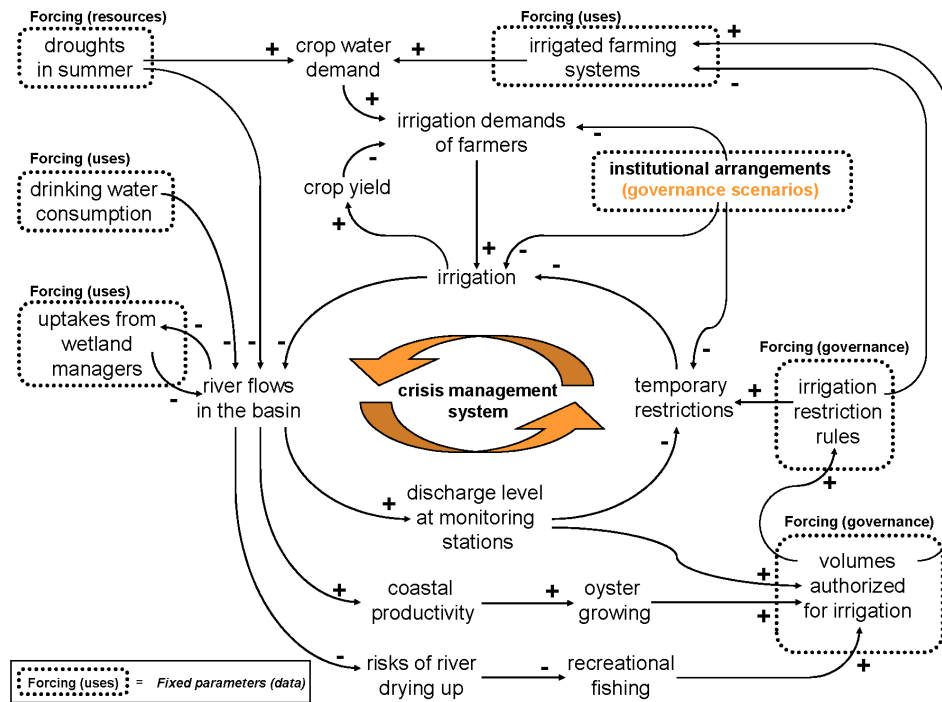


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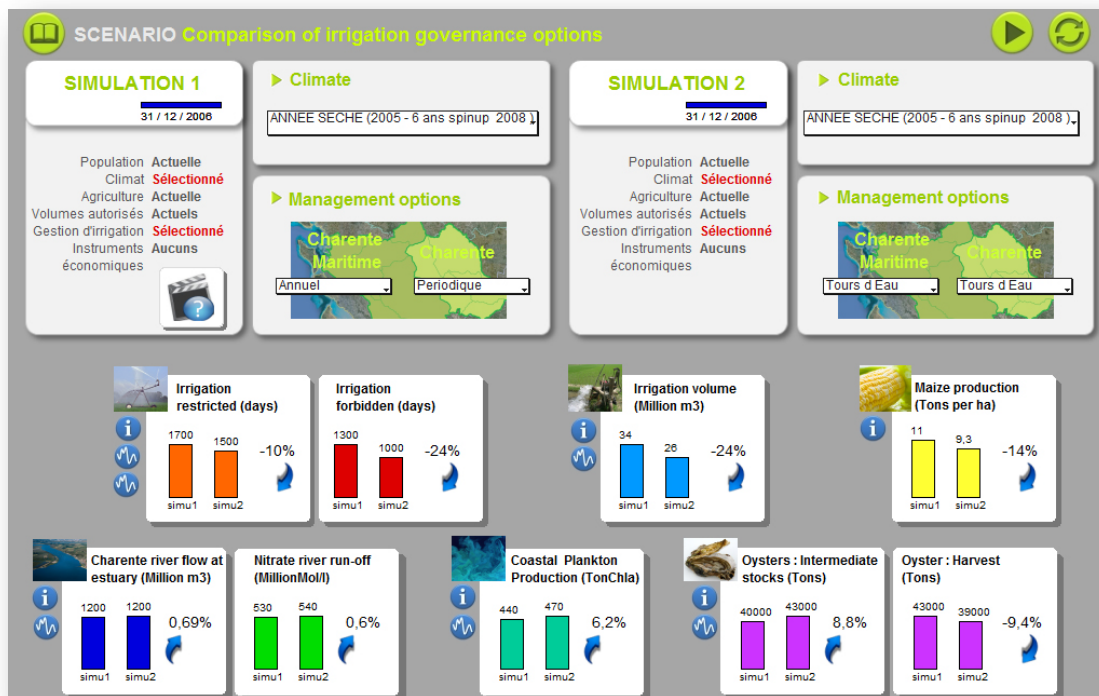
**VALMER Interreg 4A Channel project
(2012-2015).**

Coordination by M. Philippe, J. Ballé-Béganton and D. Bailly





Example from the SPICOSA project: The Charente River water mitigation system representation.



Example from the SPICOSA project: The Charente River water, outputs from the system model implemented using system dynamics approach.