



TITLE : Cormas in 10 years!

Cormas is an agent-based modeling and simulation platform that deals with interactions among stakeholders about the use and management of renewable resources.

The philosophy is to use the platform with people who are not specialist of modeling. The development of the platform seeks to support companion modeling approach - a form of participatory modeling. The aim of the models and simulations built with the platform is to promote a shared vision of the system by taking into account the different viewpoints and concerns.

With Cormas, in 10 years, we want to have more responsive human-computer interactions. We will be able to use interactive gameboards with tangible objects during a participatory simulation, as well as multiple devices in to order to smoothen the way participants interact with a simulation. This will encourage spontaneous behavior, expression of emotions and empathy for more lively and interactive simulations. Collective design using executable UML and software blocks will be important innovations for making model development accessible to non-modeler. Artificial intelligence and high performance computing will be used to enhance hybrid simulation and model exploration. The aim is to be able to change the model and to explore all the possible trajectories of a simulation during the course of a participatory workshop with the stakeholders. In short, the development of Cormas in the 10 coming years will focus on the meaning of the model and on the interactions among participants.

[Video](#) by Pierre Bommel, Nicolas Becu, Bruno Bonte, Etienne Delay and Christophe Le Page

CoMSES Net Virtual Conferences

CoMSES Net is piloting annual virtual conferences where members of our community can submit videos and engage with each other on our research over a period of several weeks using this Discourse site.

ComSES 2018 : <https://forum.comses.net/c/conferences/comses-2018>

CoMSES Net, the Network for **C**omputational **M**odeling in **S**ocial and **E**cological **S**ciences, is an open community of researchers, educators, and professionals with a common goal - improving the way we develop, share, use, and re-use agent based and computational models for the study of social and ecological systems.