



## **A multidisciplinary approach to modelling: Can scientific modelling guide policies?**

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The presentation will invite discussions on possible actions to be taken in the 7th framework programme that could help stimulate input from scientific modelling to decision making on how to tackle 21st century challenges like global climate change.

Large scale simulation of various environmental, technological and social systems necessitates novel ways of interaction between researchers across a variety of different disciplines (modelling in sustainability, for instance, will need to bring together models from geosciences, climate models and models that allow better understanding the impact of humans on these systems). Such interaction should also include stakeholders (users, decision makers) and will be facilitated by information technology, in particular high throughput research infrastructures like GEANT. In parallel, research will be needed on methodological foundations for modelling of interaction-based systems (modelling across different computational systems, predictability, stochastic versus deterministic modelling etc.).