

# CC-TAME

## CLIMATE CHANGE: TERRESTRIAL ADAPTATION & MITIGATION IN EUROPE



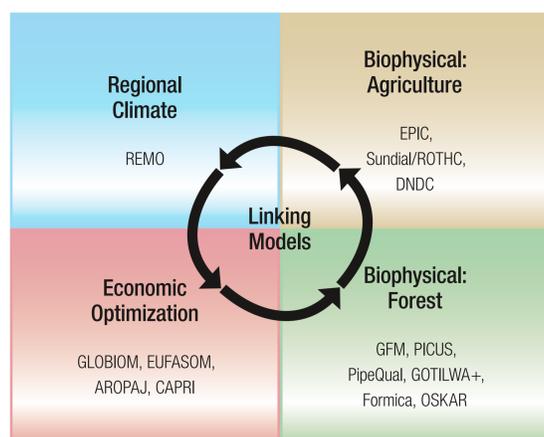
### BACKGROUND

The land-use sector will be seriously impacted by climate changes. Unlike other sectors, the terrestrial biosphere is not only a source of greenhouse gas (GHG) emissions but can also remove the GHG gas CO<sub>2</sub> from the atmosphere. Thus in the case of the land sector, opportunities to increase removals as well as reduce emissions must be considered. Opportunities include:

- Storage of carbon in plants and soils
- Production of biomass for bioenergy
- Use of biomass to substitute for more GHG-intensive products, such as concrete, aluminum, glass or steel

### WHAT IS CC-TAME?

CC-TAME is a three-year modeling project focused on providing support for domestic European climate policies. CC-TAME is financed by the European Commission's 7th Framework Programme and brings together 17 research institutions led by the International Institute for Applied Systems Analysis (IIASA). The project will link data rich, spatially-explicit climate, agricultural soil and yield, forest dynamics, and socio-economic models. The goal is to facilitate searches for effective climate change mitigation and adaptation policies that are coordinated across the land, energy, and industrial sectors.



### WHAT CAN CC-TAME PROVIDE?

The Common Agricultural Policy, Forest Strategy, and Biofuel Action Plans are among the primary avenues through which climate initiatives are likely to be achieved in Europe. CC-TAME's modeling effort can provide cost, GHG emission, and land use impacts of current and alternative measures. Information can be provided on, for example, impacts of climate change on tree growth and agricultural production as well as on impacts of policies. Outputs can include, for example:

- Maps of resource potential
- Trade-off analysis for meeting targets, e.g. carbon stocks versus biomass use for energy
- Optimal origin and use of biomass for bioenergy
- Least cost combinations to meet specific targets
- Impacts of policies on food and land prices

Support for international negotiations will be provided through assessment of EU policy impacts on the rest of the world (ROW), particularly impacts of bioenergy targets or use.

### YOUR VOICE COUNTS!

CC-TAME is a policy-science dialogue. Modeling requires making assumptions, selecting parameters, and defining the most important scenarios. Stakeholder interests and needs can and should play a major role in all these decisions. For this purpose, we seek a lively exchange with policy-makers and their advisors. We are most interested in obtaining your ideas and suggestions on how this project could best serve you.

- Which assumptions should be made for modeling?
- Which scenarios would you like to see modeled?
- What types of information do you most need?
- What level of detail (e.g., geographic specificity) is most important, for which questions?
- What is the most useful way for outcomes to be communicated?

We encourage you to contact us with suggestions:  
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### CONTACT

See [www.cctame.eu](http://www.cctame.eu) for current CC-TAME project information.

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### CONSORTIUM PARTNERS

