



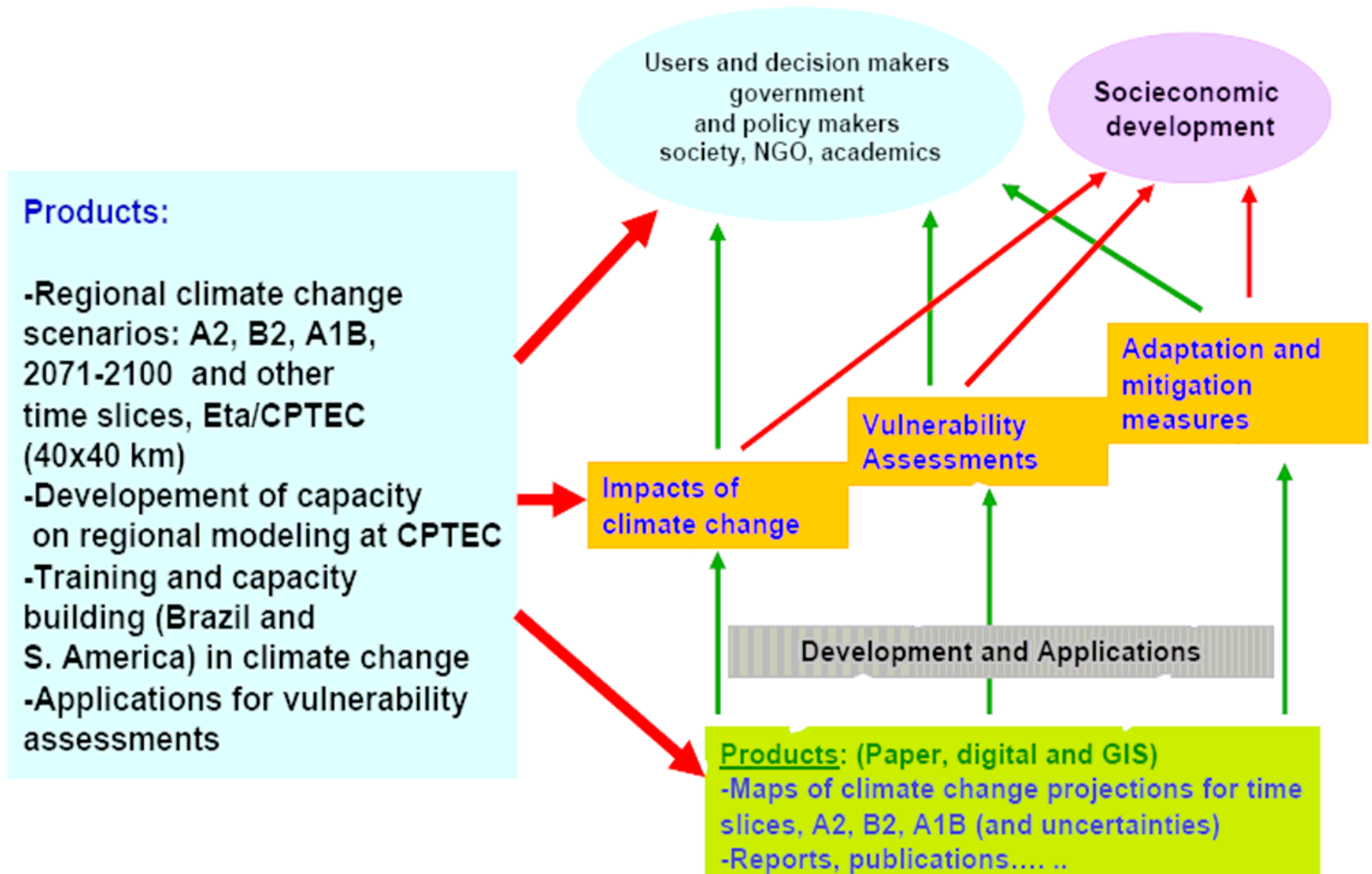
Activities in Brazil related to Regional Modeling and Climate Change Scenarios

NWP - Bonn, 7th June 2008

Downscaling and Regional Model ETA/CPTEC

- Need for “downscaling” methods applicable to climate change scenarios from global climate models.
- Objective: obtain more detailed climate projections for states, watersheds or regions, at a higher spatial resolution than that provided by a global climate model, which is crucial for studies of the impacts of climate change in key areas.
- CPTEC has developed a **regional climate model (Eta/CPTEC)** that can be applied to South America (to be expanded to Latin America and the Caribbean) to generate detailed climate predictions, including for climate change.
- Eta/CPTEC model: run based on the coupled global climate model of the Hadley Centre (HadCM3H) and of the Max Planck Institute.

Downscaling and applications



Regional Training

- Training courses in regional climate modeling (Eta/CPTEC model).
- July 2008: experts from 18 countries in Latin America will participate in a training activity in Brazil (supported by RIOCC and ECLAC, financed by the Governments of Brazil and Spain).
- Exchange of experience with other countries in the region.
- Next phase (2009): Training activities on the use of the downscaled climate change scenarios for agriculture, health and other key areas - vulnerability assessment.