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### Session Three

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### **Regional Climate Change Scenarios for South America-The CREAS project**

The CREAS (*Regional Climate Change Scenarios for South America*) constitutes a regional effort aimed to provide high resolution climate change scenarios in South America for raising awareness among government and policy makers in assessing climate change impact, vulnerability and in designing adaptation measures. CREAS runs three regional models nested in HadAM3P (a GCM used in PRUDENCE): Eta for Climate Change Studies –Eta CCS, RegCM3 and HadRM3P. CREAS explores issues such as: the challenge of using regional climate projections to develop plausible scenarios for future changes at daily time scales for extreme events; an assessment of current methods of scenario development for regions where data is available; assessments of vulnerability in regions and key sectors in South America.