

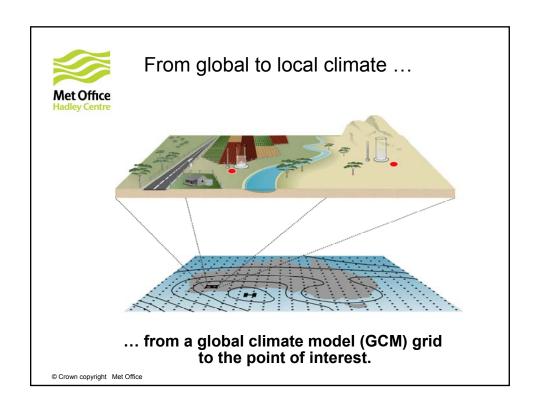


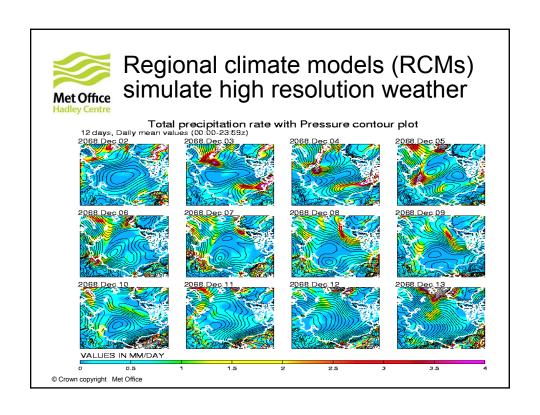
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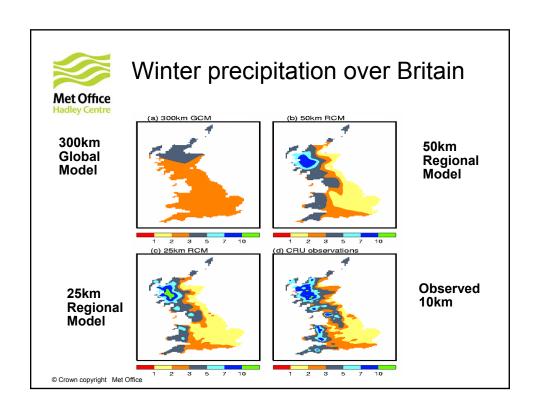
- Why regional climate modelling and PRECIS?
- · Capacity building and collaborations
- Climate research and climate scenario development
- · Awareness raising and impacts research
- Future potential

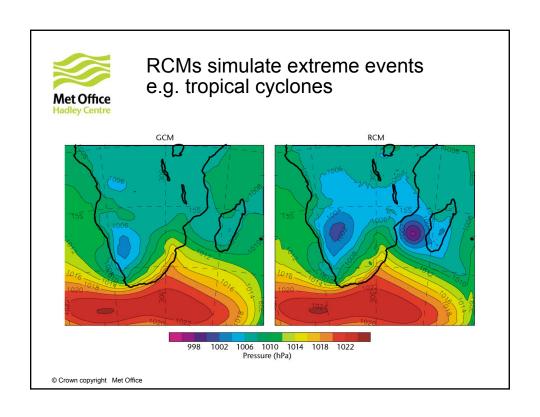


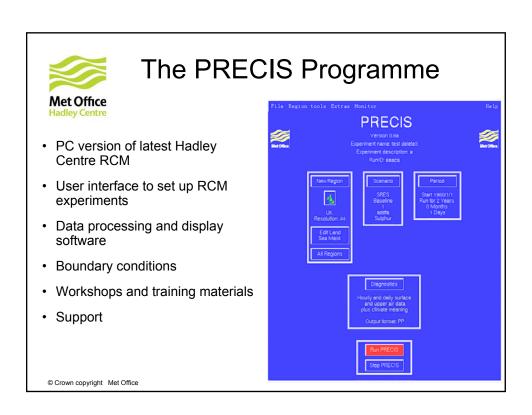
Why regional climate modelling and PRECIS?













Outputs from the PRECIS modelling system

- PRECIS can provide:
 - · climate scenarios for any region
 - · an estimate of uncertainty due to different emissions
 - · an estimate of uncertainty due to different GCMs
 - an estimate of uncertainty due to climate variability
- Data available from PRECIS
 - comprehensive for atmosphere and land-surface
 - grid-scale box average quantities
 - · maximum time resolution one hour

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Current outputs from the PRECIS Programme

- Detailed climate scenarios using the UKCIP02 methodology for the main developing country regions
- Detailed simulation of the recent climate (last 50 years) for many developing country regions
- Basic capacity building and technology transfer enabling mitigation and adaptation activities via:
 - scientific and technical support for applying PRECIS to scenario development and climate research
 - ad hoc advice on using scenarios in impacts assessments, developing collaborations and research proposals



Capacity building and collaborations

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Activities are initiated via PRECIS workshops

- PRECIS workshops focus on:
 - Background science including uncertainties
 - Interpretation of PRECIS results by regional experts
 - · Construction of regional climate change scenarios
 - Building capacity in countries/regions using PRECIS
- PRECIS is supplied with:
 - A handbook covering the background science, system description and the uses and limitations of PRECIS
 - A technical manual explaining technical details about the system and how install and to use it









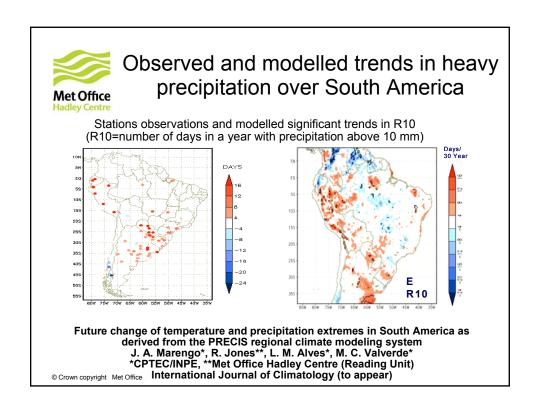


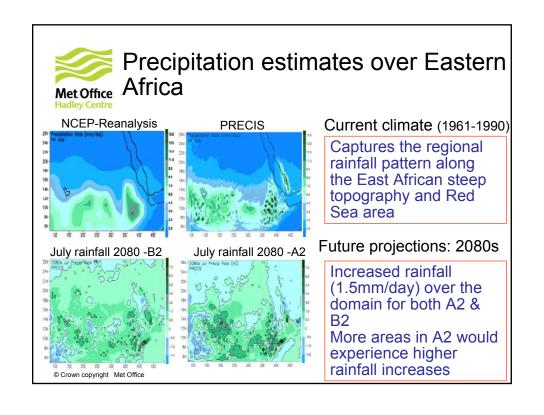
Current user/network/project status

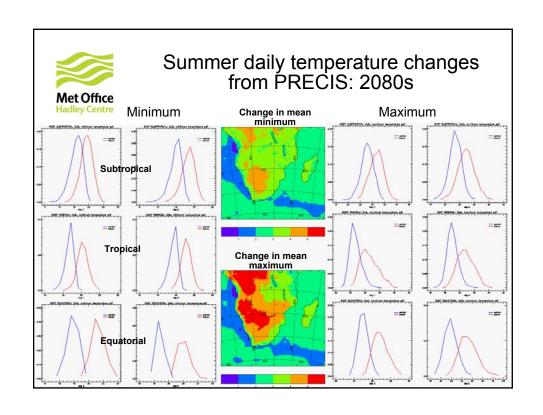
- **Met Office**
 - Over 200 trained users from over 60 countries from workshops in S Africa, UK (x5), Cuba (Belize), Bhutan (India), Brazil (Argentina), Turkey, Ghana, Malaysia, **Kenyá**
 - Developing country regional networks across the globe
 - Projects and focal points: Belize/Cuba CCCCC/INSMENT, India IITM, China CAAS, Brazil/Argentina CPTEC/CIMA, S. Africa/Kenya U Cape Town/ICPAC, SE Asia - MMD/START
 - Links with international agencies (UNFCCC, UNDP-NCSP)Future potential
- Strengthened scientific capacities in developing countries for participation in international projects © Crown copyright Met Office WAMME)

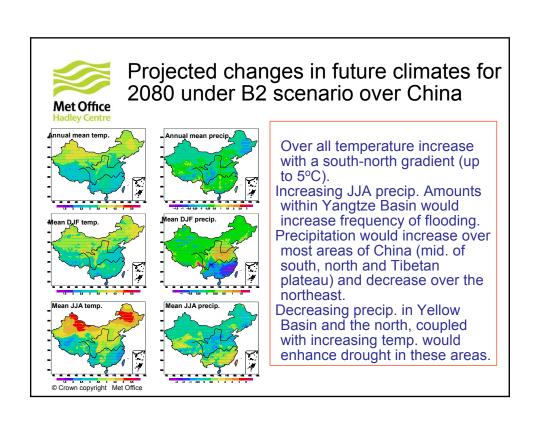


Climate research and climate scenario development











Awareness raising and impacts research

