



# CORDEX S. America perspective

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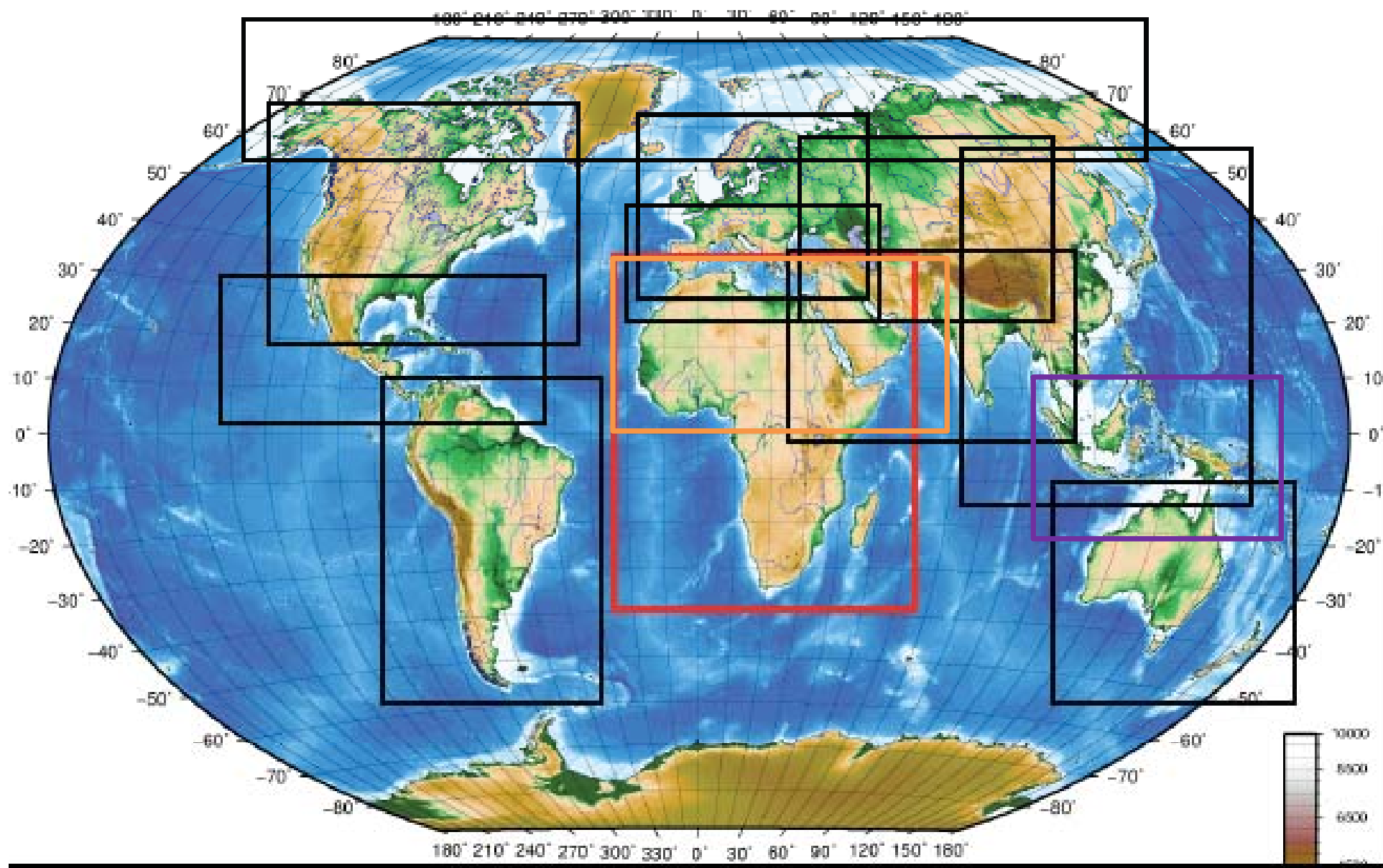


Kick Off Meeting of the WCRP LA & C Conference  
Scientific Steering Committee  
Buenos Aires, Argentina- 4-5 March, 2013

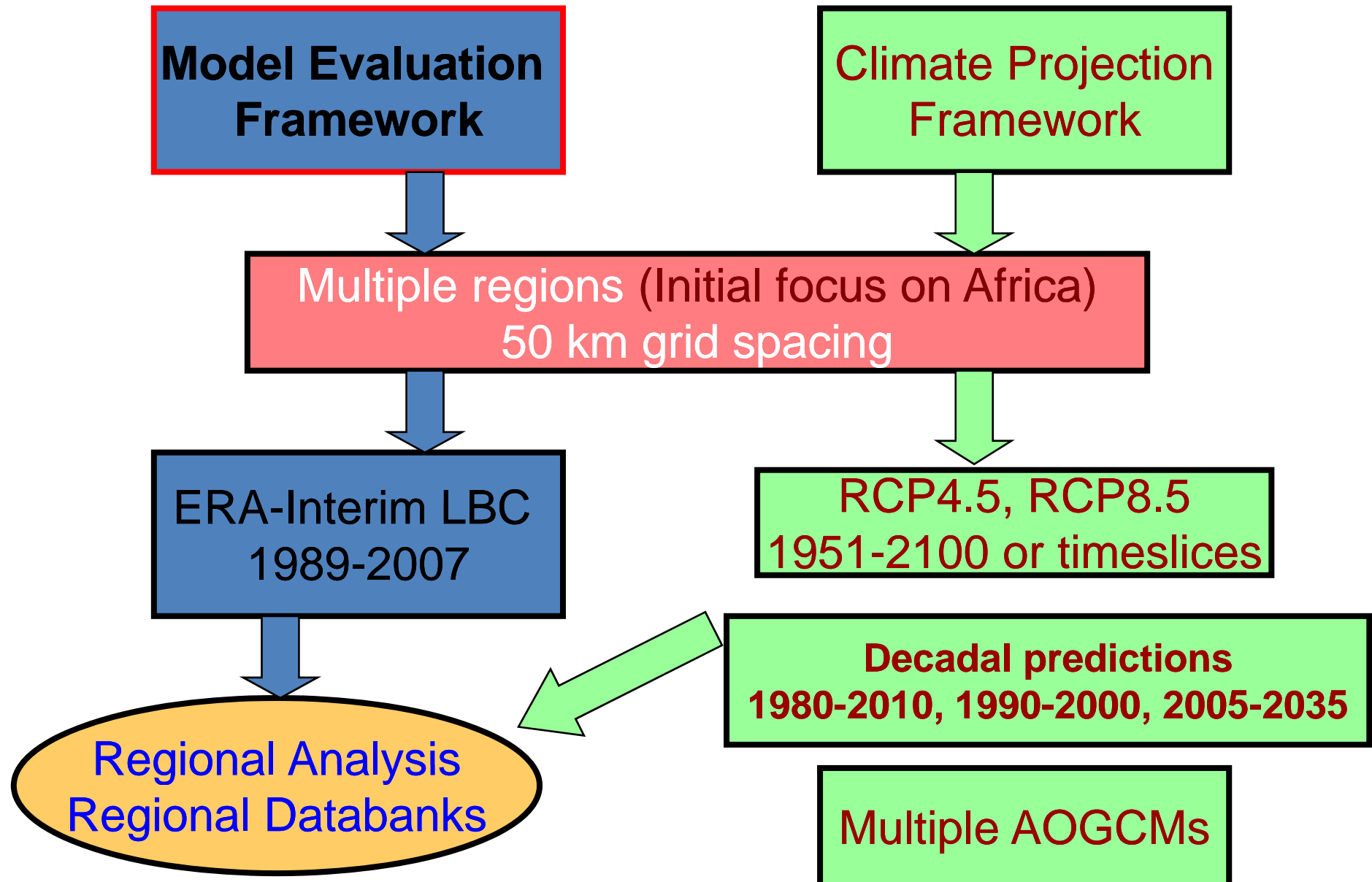
# COordinated Regional Downscaling EXperiment CORDEX

- **Modeling framework designed to provide global coordination of Regional Climate Downscaling for improved regional climate change adaptation and impact assessment**
  - Evaluate and improve RCD models and techniques
  - Provide a coordinated set of RCD-based projections/predictions for regions worldwide
  - Facilitate the communication with the IAV community.

# CORDEX Domains



# CORDEX Phase I experiment design



# Management of CORDEX

- CORDEX is a project within the Working Group on Regional Climate (WGRC) - M. Rixen from WCRP assuming a coordinating/promoting role
- Science Advisory Team (SAT) formed by:
  - F. Giorgi (co-chair)(MED), C. Jones (co-chair) (EURO, MENA), C. Goodess (Impacts), W. Gutowski, B. (N. America), Hewitson (Africa), K. Krishnan (S. Asia), W.T. Kwon (E. Asia), S. Solman (S. America).
  - Possible additions from other CORDEX regions (Australia, Arctic, Arab., C. America)

## Forthcoming CORDEX activities

**11th-13th September  
2013**

***(1) CORDEX Workshop on Latin-America and  
Caribbean: Phase I-LA  
IGP, Lima, Perú.***

**4th-7th November  
2013**

**INTERNATIONAL CONFERENCE ON REGIONAL  
CLIMATE - CORDEX 2013  
Brussels, Belgium**

**April 2014 (dates  
TBD)**

***(1) CORDEX Workshop on Latin-America and  
Caribbean: Phase II -Caribbean  
ONAMET, Dominican Republic***

# **Forthcoming CORDEX activities:South America and the Caribbean**

## **(1) CORDEX Latin-America and Caribbean – CORDEX LAC: Regional Climate Downscaling over South America, Central America and the Caribbean: A coordinated effort to pursue Vulnerability, Impacts and Adaptation studies in the region**

Joint WCRP –CLIVAR/VAMOS Proposal submitted to ICSU – co-sponsored by WCRP CORDEX, IAI, IGP, CIMA, ICTP, ONAMET, CCCCC, ICSU-ROLAC

**Aim:** to promote the development of a multi-disciplinary core team of scientists across the region and engage with this team with the dual objective of conducting comprehensive scientific analyses while also building capacity within the region.

### **Objectives:**

- to identify the existing climate downscaling knowledge in the region
- to promote synergies among scientific teams devoted to model evaluation and regional climate change assessment.
- to integrate the climate and VIA communities in the region

# **Forthcoming CORDEX activities: South America and Caribbean**

## **CORDEX Latin-America and Caribbean – CORDEX LAC**

- 2 Training Workshops (around 30 participants each)
- Open Call

**- 4<sup>th</sup>-7<sup>th</sup> September 2013 (Lima, Perú)**

- The primary focus is on designing standard analysis procedures for the CORDEX South America and Central America outputs contextualized by the VIA needs, on applying these methods, and on training the VIA participants on their limitations to interpretation.

**- Abril 2014 (Santo Domingo)**

Special focus on the Central America and Caribbean region and on already identified VIA needs for the region.



# Forthcoming CORDEX activities

## INTERNATIONAL CONFERENCE ON REGIONAL CLIMATE (WCRP-European Commission-IPCC) - CORDEX 2013

*4th-7th November 2013, Brussels, Belgium* [CORDEX conf flyer1.pdf](#)

### Key Topics:

- Methodologies for regional downscaling, evaluation, analysis, integration and interpretation
  - Evaluation of CORDEX regional downscaling: present climate and future changes
  - User needs; the driver of CORDEX downscaling
  - Regional climate change impacts, societal vulnerabilities and adaptation/mitigation options
  - Future priority areas for regional downscaling and CORDEX
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- **Registration abstract submission and financial support applications: 15<sup>th</sup> January 2013 to 1<sup>st</sup> April 2013.**

# WCRP LA & C Conference

## March 214

### **Expected CORDEX-LA&C workshops outcomes:**

- Increased networking and dialogue amongst scientists and policy makers
- Enhanced synthesis and relevance of regional climate information and projections
- Improved channels for sharing climate change information in a timely manner
- Improved understanding of potential vulnerabilities and impacts of global change at the regional scale
- Inputs for Climate and Applications research frontiers for the WCRP LA & C Conference