



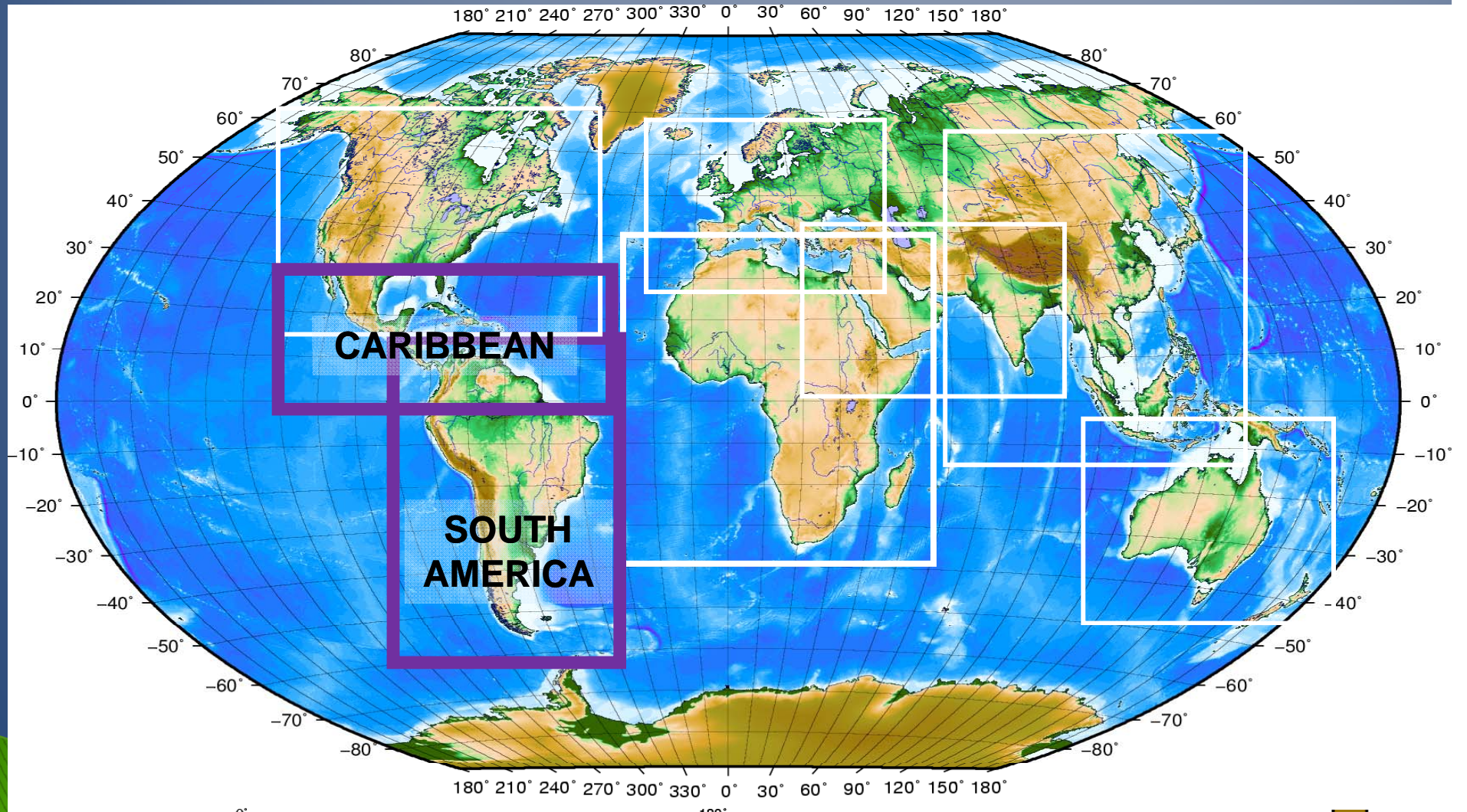
WCRP VAMOS/CORDEX Workshop on Latin-America and Caribbean

CORDEX LAC: Phase I - South America
September 11-13, 2013, Lima, Perú

Workshop general objectives -
Workshop expectations

S. Solman – R. Arritt- C. Ereño

CORDEX Domains



General objectives

Support science-based sustainable regional development and policymaking in the context of climate change

Water

Agriculture

Energy

Health

General objectives

Support science-based sustainable regional development and policymaking in the context of climate change

Develop a regional capacity building effort with interdisciplinary focus on climate, impacts and user needs

General objectives

Develop a capacity building effort

Identify locally

Promote synergies

between climate and VIA scientists to develop an integrated framework for designing adaptation strategies to climate change

Evaluate climate downscaling projections

targeted scaled adaptation for impact assessment analysis

General objectives

Develop a capacity building effort

Identify regionally focused VIA analysis, user-knowledge needs

Evaluate regional climate model downscaled projections

Provide targeted downscaled information for impact assessment analysis

Identify regionally
focused VIA
analysis, user-
knowledge needs

- ▶ Review of VIA on-going analysis on key sectors (hydrology, agriculture, water resources, health, among others)
- ▶ Identify VIA needs

General objectives

Develop a capacity building effort

Identify regionally focused VIA analysis, user-knowledge needs

Evaluate regional climate model downscaled projections

Provide targeted downscaled information for impact assessment analysis

Evaluate regional climate model downscaled projections

- ▶ Review of global and regional climate downscaling data sources.
- ▶ Review of regional capacity on producing regional climate downscaling data within the CORDEX South America and Caribbean domains.
- ▶ Identify metrics for the analysis of regional climate downscaling products for model evaluation, assessment of regional climate change projections and associated uncertainties.

General objectives

Develop a capacity building effort

Identify regionally focused VIA analysis, user-knowledge needs

Evaluate regional climate model downscaled projections

Provide targeted downscaled information for impact assessment analysis

Provide targeted
downscaled information
for impact assessment
analysis

- ▶ Identify potential regional climate extremes with major impacts on society
- ▶ Identify key variables, file formats and channels for data availability for impact assessment studies

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CORDEX LAC: Phase I - South America

- ▶ Develop the analysis framework and the skills of participants with a special focus on South America.
- ▶ Provide skill development for the participants in analysis and interpretation of CORDEX downscaled model historical ERA-interim simulations and scenario runs.
- ▶ Demonstrate standard analysis procedures for the CORDEX South America and Central America outputs contextualized by the VIA needs, application of these methods, and train the VIA participants on model capabilities and limitations.

Workshop agenda

- ▶ Background papers and invited plenary speakers will provide the context for main topics of regional concern.
- ▶ Participants presentations will identify on-going studies.
- ▶ Interaction amongst participants will be encouraged in order to develop a bottom-up approach built on a vulnerability-focused vision.
- ▶ Training sessions will contribute to a regional framework for climate services.

Workshop agenda

- ▶ SESSION 1: Overview and goals (WCRP, VAMOS and CORDEX)
- ▶ SESSION 2: Vulnerability, adaptation and impacts
- ▶ SESSION 3: Modeling studies
- ▶ SESSION 4 Training modules

Workshop agenda

DAY1	DAY 2	DAY 3
SESSION 1: Overview and goals (WCRP, VAMOS and CORDEX)	SESSION 3: Modeling studies	SESSION 3 (cont)
SESSION 2: Vulnerability, adaptation and impacts	<ul style="list-style-type: none"> Invited speakers 	<ul style="list-style-type: none"> Presentations on modeling studies from participants (oral)
<ul style="list-style-type: none"> Invited speakers 	<ul style="list-style-type: none"> Presentations on VIA and modeling studies from participants (oral and poster) 	SESSION 4 Training modules <ul style="list-style-type: none"> VIA applications and training -group projects
<ul style="list-style-type: none"> Presentations on VIA studies from participants (oral and poster) 		General discussion – Outcomes of workshop, feedback from training groups and way ahead – CLOSING

Expected outcomes

- ▶ The formation of new professional expertise at the interface between the climate and application communities
- ▶ Improved hands-on training and analysis skills
- ▶ Increased networking and dialogue amongst scientists and policy makers
- ▶ Enhanced synthesis and relevance of regional climate information and projections
- ▶ Improved channels for timely sharing of climate change information
- ▶ Improved understanding of potential vulnerabilities and impacts of global change at the regional scale
- ▶ Enhanced awareness by regional authorities of the need for adaptation and early response actions
- ▶ The group trained through this capacity building and education action would become regional experts to further train and advise a future expanded effort on CORDEX analysis and interpretation of regional climate change responses and related VIA aspects.