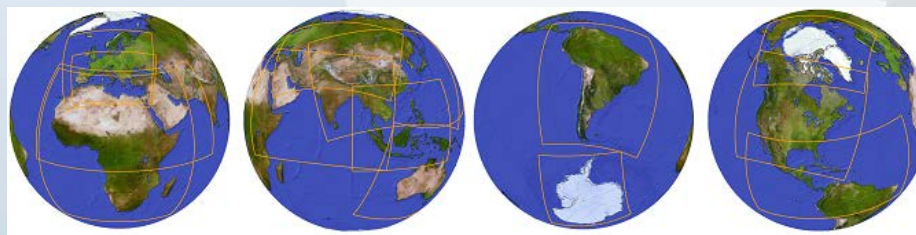


Opportunities for building bridges between CORDEX and biodiversity communities



Eleanor O'Rourke
International Project Office for CORDEX

The CORDEX vision is to advance and coordinate the science and application of regional climate downscaling through global partnerships.



- To better understand relevant regional/local climate phenomena, their variability and changes, through downscaling.
- To evaluate and improve regional climate downscaling models and techniques
- To produce coordinated sets of regional downscaled projections worldwide
- **To foster communication and knowledge exchange with users of regional climate information**

Previous regional downscaling cooperation projects



- The CLARIS project, with a very similar domain to current CORDEX South America domain, aimed to predict the regional climate change impacts on La Plata Basin, and at designing adaptation strategies for land-use, agriculture, rural development, hydropower production, river transportation, water resources and ecological systems in wetlands.
- The Rossby Centre at SMHI regional climate model, RCA, has produced CORDEX South America data downscaled from 5 GCMs, and shortly from 5 further GCMs.
- Rossby Centre has a long collaboration with CIMA in Buenos Aires who are running RCA.
- A collaboration with Lund University, who have integrated dynamical vegetation into RCA (RCA-GUESS) has also been initiated which is very relevant to areas such as the Amazon basin.



There is clearly great potential for EU-LAC collaboration for future biodiversity – CORDEX/regional downscaling projects....but some barriers include



- Difficulties in obtaining funding as most LAC countries are not within the official DAC list of ODA recipients reducing funding channel.
- Due to this lack of international, and national within LAC, funding the regional downscaling community in the region is not coordinated to its full potential.
- Only very limited data is openly available reducing the opportunities for users to access the downscaling data.
- The need for coordination of existing partnerships/collaborations to look towards future funding potential within H2020 and other EU funding mechanisms.

CORDEX, with the drive of the LAC community, could help overcome a number of these barriers.



Flagship Pilot Studies: An opportunity for collaboration?

- The CORDEX Science Advisory Team (SAT) is developing the framework for more targeted experimental setups, called “Flagship Pilot Studies (FPS)”
- These FPS will enable the CORDEX communities to better address a number of challenges that cannot be addressed within the current CORDEX framework and would focus on sub-continental scale targeted regions.
- Should be driven by the regional CORDEX communities, although sharing common protocols so as to allow easier exchange of know-how.
- Invitation for proposals will be launched before end of 2015.
- Perhaps an opportunity to develop a collaborative CORDEX-biodiversity community FPS within the South America region, with an EU-LAC collaborative team, addressing a topic of particular interest to likely funders?



ALCUE NET
Leading Activities, Deliverables and European Union Networks in Research and Innovation

Another opportunity for collaboration: ICRC-CORDEX 2016

WCRP



17TH-20TH MAY 2016 STOCKHOLM, SWEDEN

ICRC-CORDEX 2016



The International Conference on Regional Climate (ICRC)-CORDEX 2016 will bring together the international community involved in regional climate research focusing on high resolution climate information, and its applications to the vulnerability, impacts and adaptation community and the full spectrum of potential end users of regional climate information.

The conference programme is available and Call for Abstracts is now open at

www.icrc-cordex2016.org

Deadline for abstract submission and financial support applications is 2nd November 2015