



# Working Group on Regional Climate

## 41st Session of the WCRP Joint Scientific Committee

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# Working Group on Regional Climate

- Mission: to coordinate regional climate research and science-based knowledge development for decision makers
- Fully active from 2013 to 2015/16 – last face-to-face meeting Dec 2015
- WGRC expertise and experience is embodied in two areas of recommendation:
  - Recommendations on a Framework for WCRP Regional Activities (JSC 38)
  - Implementation Framework for Frontiers of Climate Information (FoCI) Projects (JSC 37) - climate information for regions, framed by relevance to regional stakeholders, & approached through innovation in analysis & methods
- WGRC Co-Chairs (Clare Goodess/Bruce Hewitson) are TTRA members
- Preliminary recommendations include a *Proposal to replace the WGRC with a Working Group on Information for Regions and Society (WGIRS)*
- TTRA has also reviewed/updated the FoCI Project document



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# FoCI Projects concept aligns well with ideas for regional labs/case studies in LA My Climate Risk

- What are new and most promising approaches to distill decision- and scale-relevant climate information from across data sources, data types, and relevant scales of time and space through leveraging the multiple sources from the WCRP and related external programs?
- How can differences and contradictions between data sources be best assessed, understood, and reconciled (e.g. within a CORDEX multi-model ensemble, between RCMs and GCMs, or between model historical simulations and uncertain observations)?
- What innovative methodologies and analyses can be developed to advance the physical understanding of the combinatory roles of multi-scale climate processes that drive a region's climate in order to improve the relevance and defensibility of regional climate information for society?
- Which time scales are of priority for research in order to best inform the information needs of a region, and how should these time scales be identified?
- How can stakeholder knowledge about the information needs for their decision and policy challenges be better leveraged to inform the design and implementation of WCRP supported research?



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