

Anna Pirani

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Employment History

2016-present Head

IPCC WGI Technical Support Unit.

Working with the IPCC Working Group 1 (WGI) Co-Chairs and Bureau in shaping and guiding the WGI contribution to the IPCC process. Management of the WGI Technical Support Unit (TSU) in the implementation of all aspects of the WGI contribution during the scoping, preparation, review and production of the Sixth Assessment Report to be published in 2021. Coordination across WGs and implementation with the WGI TSU, supported by WGII and III TSUs, of the IPCC Special Report on the impacts of global warming of 1.5°C above pre-industrial levels and related global greenhouse gas emission pathways to be published in 2018. Fostering integration across WGs, working in liason with WGII and WGIII and their TSUs, as well as the IPCC Secretariat.

2014-2016 Deputy Executive Director

International CLIVAR Project Office.

Support of Executive Director and CLIVAR Chairs in managing and implementing the activities of the CLIVAR Project and oversight of the implementation of the newly-established International CLIVAR Monsoon Project Office in India.

Coordination and management of the CLIVAR Research Focus on Decadal Climate Variability and Prediction. Co-ordination of the CLIVAR Ocean Model Development Panel and Climate Dynamics Panel. Enhancement of CLIVAR virtual institute paradigm, network development, outreach of CLIVAR activities including website development. Development of capacity growth strategy and activities.

Editor, CLIVAR Exchanges Newsletter.

2007-2014 Staff Scientist

International CLIVAR Project Office.

Coordination of CLIVAR panels and working groups on global climate modeling, seasonal prediction, ocean model development, African climate research and climate change detection and indices. Responsibilities included the management of panel activities, producing outreach material, implementing capacity development initiatives, and fostering networking and collaborative opportunities, organisation of international scientific meetings.

Responsible for the WCRP-WWRP-THORPEX survey on model development that assessed the current limits to collaborative progress across the process study/observational and climate and weather model development communities.

Organised the Africa Climate Conference 2013 and supported the implementation of the conference outcomes towards the establishment of the Africa Climate Research for Development Agenda (CR4D) in partnership with the Africa Climate Policy Centre and the African Ministerial Conference on Meteorology.

2004-2006 Post-Doctoral Scientist

CNRM-Meteo France, Toulouse, France.

Development of a new air-sea turbulent flux parameterisation as part of the MERSEA European Integrated Project for ocean forecasting, and its implementation into an ocean general circulation model.

Education

1999-2004 Ph.D. in Physical Oceanography

National Oceanography Centre (NOC), Southampton, UK.

Joint Studentship with the ECMWF and the UK Universities Global Atmospheric Modelling Programme (UGAMP).

1998-1999 M.Sc. in Oceanography

NOC, Southampton, UK.

1995-1998 B.Sc. in Environmental Sciences

University of East Anglia, Norwich, UK.

Selected Publications and Reports

- Cassou, C., Y. Kushnir, E. Hawkins, A. Pirani, F. Kucharski, I.-S. Kang and N. Caltabiano, 2017: Decadal climate variability and predictability: Challenges and opportunities, BAMS, doi:10.1175/BAMS-D-16-0286.1.
- Tompkins, A. M., et al., 2017: The Climate-system Historical Forecast Project: providing open access to seasonal forecast ensembles from centers around the globe, BAMS, doi: 10.1175/BAMS-D-16-0209.1.
- Griffies, S. M., et al, 2016: Experimental and diagnostic protocol for the physical component of the CMIP6 Ocean Model Intercomparison Project (OMIP), Geosci. Model Dev. Discuss., doi:10.5194/gmd-2016-77, in review.
- Danabasoglu, G. et al., 2016: North Atlantic Simulations in Coordinated Ocean-ice Reference Experiments phase II (CORE-II). Part II: Variability. Ocean Modelling, 97, 6590, doi:10.1016/j.ocemod.2015.11.007.
- M. E. Shongwe, A. Pirani and S. Bekele, 2014: Addressing Climate-Related Challenges and Information Needs in Africa: Africa Climate Conference 2013; Arusha, Tanzania, 15-18 October 2013. Eos Trans. AGU, 95(22), DOI:10.1002/2014EO220006.
- Danabasoglu, G. et al., 2013: North Atlantic Simulations in Coordinated Ocean-ice Reference Experiments phase II (CORE-II). Part I: Mean States, Ocean Modelling, 3, 76-107, doi:10.1016/j.ocemod.2013.10.005.
- The Steering Committee of the Africa Climate Conference 2013, 2013-present (living document): Africa Climate Science Frontiers: Addressing Priority Research Gaps to Inform Adaptation Decision-Making in Africa. Frontiers in African Climate Science Research and Applications. <http://africa-climate.org/frontiers-paper/>
- Clement, A., B. Kirtman and A. Pirani, 2011: Climate Literacy as a Foundation for Progress in Predicting and Adapting to the Climate of the Coming Decades, BAMS, 92, 633–635.
- A. Pirani and C. Jones, 2010: Report of the WCRP Workshop on Regional Climate: Facilitating the Production of Climate Information and its Use in Impact and Adaptation Work, WCRP Informal Report No. 9/2010.
- Griffies, S. M., et al., 2010: Problems and Prospects in Large-Scale Ocean Circulation Models, Proceedings of the OceanObs-09 Conference: Sustained Ocean Observations and Information for Society, Venice, Italy, 21-25 September 2009, Volume 2, Eds. J. Hall and D.E. Harrison and D. Stammer, ESA Publication WPP-306.
- Griffies, S. M., et al., 2009: Sampling Physical Ocean Fields in WCRP CMIP5 Simulations, WCRP Informal Report No. 3/2009, ICPO Publication Series No.137.
- Griffies, S. M. et al., 2009: Coordinated Ocean-ice Reference Experiments (COREs). Ocean Modelling, 26, 1–46.
- B. Kirtman and A. Pirani, 2009: The State of the Art of Seasonal Prediction Outcomes and Recommendations from the First World Climate Research Program (WCRP) Workshop on Seasonal Prediction, BAMS, DOI: 10.1175/2008BAMS2707.1
- B. Kirtman and A. Pirani, 2008: WCRP Position Paper on Seasonal Prediction, WCRP Informal Report No. 3/2008, ICPO Publication No. 127.