

WCRP/Future Earth Joint Statement – Appendix 1

Important synergies between programs of WCRP and FE include:

- AIMES collaborated with the WCRP [Working Group on Coupled Modelling \(WGCM\)](#) through joint scientific steering committee meetings to foster new experimental designs for CMIP5 and CMIP6 that incorporate societal and biogeochemical dimensions. Currently, the AIMES working group 'Modeling Earth Systems and Human interactions' is working across ESM, IAM, and other human systems modeling groups to provide recommendations for CMIP7 scenario design. The WCRP [Advisory Board on Vulnerability, Impacts, Adaptation and Climate Services](#) was developed by an AIMES steering committee member. AIMES leadership are also involved in the WCRP Joint Scientific Committee, serve on the WGCM steering committee, and are involved in the new WCRP Lighthouse activities "Safe Landing Climates" and "Digital Earths." This engagement supports communication and synergistic activities between AIMES and WCRP to balance the biogeochemical/human/ecological focus of AIMES modeling and observation activities with WCRP's physical climate focus.
- GCP: In April 2017 WCRP and the [Global Carbon Project \(GCP\)](#) signed a [Scientific Partnership Agreement](#) that involves sustained communication and mutual research planning at several levels, starting from the director and steering committee level and extending as necessary and useful into the project and working group levels of both WCRP and the GCP. e.g. shared calendars, mutual representation on steering committees, coordinated activities and workshops ([News: WCRP and the Global Carbon Project sign scientific partnership](#)). WCRP sponsors GCP, and WCRP JSC member Pierre Friedlingstein is lead author for the long term trends section of the Global Carbon Budget.
- PAGES: In April 2015 WCRP and ([PAGES](#)) signed a [Scientific Partnership Agreement](#) to maintain a mutual collaboration and develop explicit activities of mutual interest on the enhancement of climate and paleoclimate research.
- SOLAS GRP is sponsored by WCRP and participates in the program "Integrated Ocean Carbon Research (IOC-R) Working Group" together with WCRP (and IMBeR & GCP). WCRP is advising, and funding, research actions of SOLAS and taking part in its SSC meetings. <https://www.solas-int.org/science/sponsored-science.html>. SOLAS is also involved in the WCRP Data Advisory Council's activities on air-sea fluxes and contributed significantly to a comprehensive report on the topic.
- The Urban Knowledge-Action network Development Team played a pivotal role in shaping a report together with the World Climate Research Programme named the "Global Research and Action Agenda on Cities and Climate Change Science" as an output from the Cities IPCC. More can be found in the following link: <https://www.wcrp->

climate.org/WCRP-publications/2019/GRAA-Cities-and-Climate-Change-Science-Full.pdf

- WCRP worked with Future Earth and the Integrated Research on Disaster Risk (IRDR) to set up the Knowledge-Action Network on Emergent Risks and Extreme Events following a workshop in Tokyo in 2017 ([see video](#)). By collaborating through the KAN, WCRP and partner programmes are to provide integrative synthesis capacity across disciplines by a mix of inter-/trans-disciplinary expertise, and share experiences and methodologies in research and stakeholder engagement with societal actors (business, administration, policy, NGOs).
- WCRP is one of the “sponsors” of the Ocean KAN. So far, no official document references this agreement and it is through a personal engagement (Mike Sparrow, Acting Head of the WCRP Secretariat and currently Mauricio Mata from WCRP’s CLIVAR (Climate and Oceans) Core Project) that WCRP, like the other sponsors, is engaged in the KAN and advises it. Nevertheless, the KAN will be established soon (early 2021) and an agreement will be sought with WCRP to officialise a sponsorship. 1 WCRP representative will be in the “IPO host selection committee of the Ocean KAN”
- Two members of Future Earth’s 10 New Insights in Climate Science 2020 Editorial Board are from WCRP’s Joint Scientific Committee (JSC) 2019-2020 (Detlef Stammer and Helen Cleugh). A conversation is ongoing about WCRP becoming a formal partner to the publication.
- Future Earth partner, the European Space Agency’s Climate Office, which [supports scientific activities of Future Earth research networks](#), works strategically with WCRP via its Climate Science Advisory Body of which the WCRP secretariat is a member.
- Future Earth is a co-lead in the development of the [Partnership of Resilience and Preparedness \(PREP\)](#), and the PREP team is working with WCRP to establish WCRP as a formal part of this partnership, and to work to establish data flow processes that would allow greater visibility and access to critical WCRP data-sources (e.g. CORDEX).
- WCRP, with additional partners, has repeatedly partnered with the Global Carbon Project in the development of the United in Science Report.
- Monsoon Asia Integrated Research for Sustainability (MAIRS-FE) is also collaborating with WCRP CORDEX on coordinated regional modelling initiatives.