

Call for Members for CMIP6 VIACS Advisory Board Phase 2

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We request applications for Phase 2 members of the VIACS Advisory Board for CMIP6 who will join efforts to foster sustained, two-way engagement between the climate modeling and climate applications communities.



Background

The Vulnerability, Impacts, Adaptation and Climate Services (VIACS) Advisory Board was launched in June, 2015 as a Diagnostic MIP seeking to enhance two-way engagement between the climate modelers in the Coupled Model Intercomparison Project Phase 6 (CMIP6) and the many VIACS communities that apply climate model outputs. This voluntary effort was formally endorsed by CMIP6 (Aug, 2015) and the Global Programme of Research on Climate Change Vulnerability, Impacts, and Adaptation (PROVIA) (Sep, 2015). Phase 1 of the VIACS Advisory Board (2015-2018) focused primarily on establishing connections within VIACS communities, communications between VIACS and CMIP leadership, and informing the design of CMIP6 simulations (Ruane et al., 2016; Eyring et al., 2019).

Role of Advisory Board members in Phase 2

The VIACS Advisory Board is a non-funded community activity designed as a conduit that collects, interprets, and translates questions and guidance between VIACS and CMIP6. The VIACS Advisory Board seeks members who can help raise attention and give advice to emerging challenges and opportunities in VIACS application of CMIP6 outputs, and likewise develop and disseminate information to increase the efficiency and robustness of CMIP6 applications for societal benefit. We therefore seek leaders of major VIACS communities, including impacts sectors (e.g., agriculture, water resources, ecosystems, urban areas and built infrastructure, energy systems, health), major projects that already coordinate VIACS engagement, and supporting programs that facilitate application (e.g., downscaling, data processing and provision, scenarios). We encourage applicants who have proven ability to reach their respective communities in order to collect or disseminate VIACS-related communications. We also request that applicants have direct experience in accessing, processing, and applying CMIP data so that they may contribute to technical discussions.

Possible objectives and activities for VIACS Advisory Board Phase 2: 2019-2022:

Phase 2 will provide a VIACS-relevant perspective on the evaluation and application of CMIP6 outputs as new model and MIP outputs are posted and application efforts are designed and conducted. *Specific objectives and activities will be determined by the entire VIACS Advisory Board upon its initial convening. Activities may include:*

- Identifying key VIACS-relevant evaluation metrics for CMIP6 models in DECK and historical experiments.
- Highlighting and sharing successful or novel VIACS applications using CMIP6 MIP outputs.
- Recognizing common challenges in VIACS applications of CMIP6 outputs that may be addressed through closer interaction with CMIP6 modeling groups.
- Informing the creation of guidance documents on best practice use of CMIP6 outputs.
- Fostering demonstrations of VIACS applications using MIP outputs that are particularly suited to particular applications sectors or climate services (e.g., HighResMIP and agricultural applications; LUMIP and ecosystem applications; ScenarioMIP and Climate Services).
- Engaging VIACS representatives from Earth System Modeling groups participating in CMIP6.
- Acting as a point of contact for authors of the Intergovernmental Panel on Climate Change Sixth Assessment Report (IPCC AR6).
- Representing the VIACS perspective at international workshops and conferences.
- Developing a stronger web presence for the VIACS Advisory Board.

Application Materials and Process

This open application process seeks ~15 members for the VIACS Advisory Board Phase 2.

Applicants are requested to please send:

1. A short motivation statement expressing their interests and most relevant experiences in improving the connection between CMIP climate models and VIACS applications (max 2 pages)
2. Their *Curriculum Vitae* (CV; max 5 pages)

to alexander.c.ruane@nasa.gov and claas.teichmann@hzg.de by the **15th of August, 2019**.

Members will be selected by the VIACS AB co-chairs, in consultation with CMIP and *ex officio* VIACS AB Phase 1 members, and the application period will remain open until the Board is complete. We aim to strike a balance to ensure representation across sector, region, gender, the VIACS communities, institutions, crucial projects and programs, and career stages.

Applications from Phase 1 members seeking a second term are acceptable, and Co-Chairs will also be directly soliciting applicants to fill gaps to form a more representative Board.

We aim to convene Phase 2 of the VIACS Advisory Board in September, 2019. We would also appreciate your help in disseminating this announcement widely.

References

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- Eyring, V., P.M. Cox, G.M. Flato, P.J. Gleckler, G. Abramowitz, P. Caldwell, W.D. Collins, B.K. Gier, A.D. Hall, F.M. Hoffman, G.C. Hurtt, A. Jahn, C.D. Jones, S.A. Klein, J.P. Krasting, L. Kwiatkowski, R. Lorenz, E. Maloney, G.A. Meehl, A.G. Pendergrass, R. Pincus, A.C. Ruane, J.L. Russell, B.M. Sanderson, B.D. Santer, S.C. Sherwood, I.R. Simpson, R.J. Stouffer, and M.S. Williamson, 2019: [Taking climate model evaluation to the next level](#). *Nature Clim. Change*, **9**, no. 2, 102-110, doi:10.1038/s41558-018-0355-y.