

Project: **963**

Project title: **Volcanic Forcing Model Intercomparison Project (VolMIP)**

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Report period: **2016-01-01 to 2016-12-31**

In 2016, no simulations for the CMIP6 (Coupled Model Intercomparison Project, Phase 6, Eyring et al., 2016) endorsed project VolMIP (Model Intercomparison Project on the climate response to Volcanic forcing, Zanchettin et al., 2016) have been carried out.

MPI-ESM simulations for VolMIP could not be performed in 2016, because the MPI-ESM piControl for CMIP6 does not exist so far and is now expected for early 2017. Furthermore no VolMIP simulation have been submitted to the CMIP6 data archive until now. It is assumed that a multi-model analysis of the first VolMIP experiments can be carried out in summer 2017.

References

Eyring, V., Bony, S., Meehl, G. A., Senior, C. A., Stevens, B., Stouffer, R. J., and Taylor, K. E.: Overview of the Coupled Model Intercomparison Project Phase 6 (CMIP6) experimental design and organization, *Geosci. Model Dev.*, 9, 1937-1958, doi:10.5194/gmd-9-1937-2016, 2016.

Zanchettin, D., Khodri, M., Timmreck, C., Toohey, M., Schmidt, A., Gerber, E. P., Hegerl, G., Robock, A., Pausata, F. S. R., Ball, W. T., Bauer, S. E., Bekki, S., Dhomse, S. S., LeGrande, A. N., Mann, G. W., Marshall, L., Mills, M., Marchand, M., Niemeier, U., Poulain, V., Rozanov, E., Rubino, A., Stenke, A., Tsigaridis, K., and Tummon, F.: The Model Intercomparison Project on the climatic response to Volcanic forcing (VolMIP): experimental design and forcing input data for CMIP6, *Geosci. Model Dev.*, 9, 2701-2719, doi:10.5194/gmd-9-2701-2016, 2016.