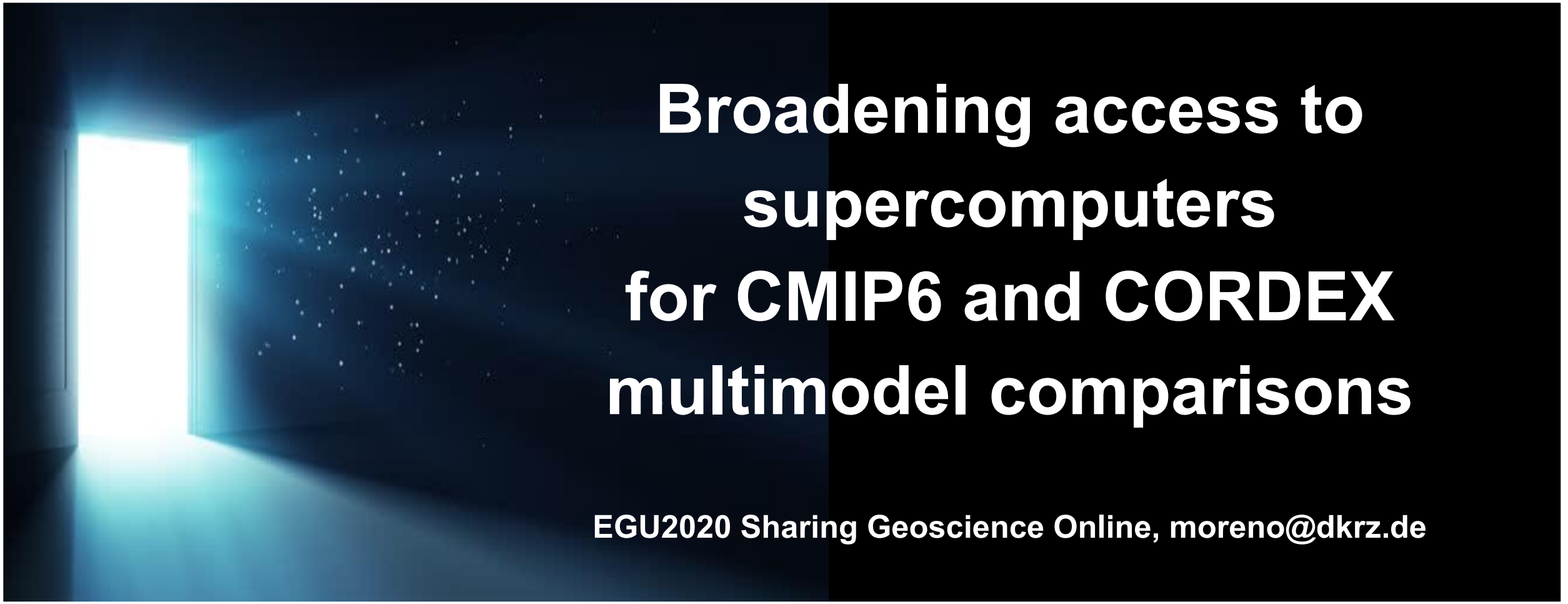

Broadening access to supercomputers for CMIP6 and CORDEX multimodel comparisons

EGU2020 Sharing Geoscience Online, moreno@dkrz.de

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IS-ENES3 is funded by the EU Horizon 2020 Research and Innovation program under the grant agreement No 824084

New free of charge server-side data-near computing service

The ENES e-infrastructure project IS-ENES3 H2020-INFRAIA addresses the Coupled Model Intercomparison Project (CMIP) challenges by developing, documenting, and deploying new and advanced models and tools, standards, and services to deal with unprecedented data volumes and model complexity.

Data-near server-side processing capabilities at the IS-ENES3 High Performance Computing centers are now made accessible to a broader user community.

moreno@dkrz.de

https://portal.enes.org/data/data-metadata-service/analysis-platforms

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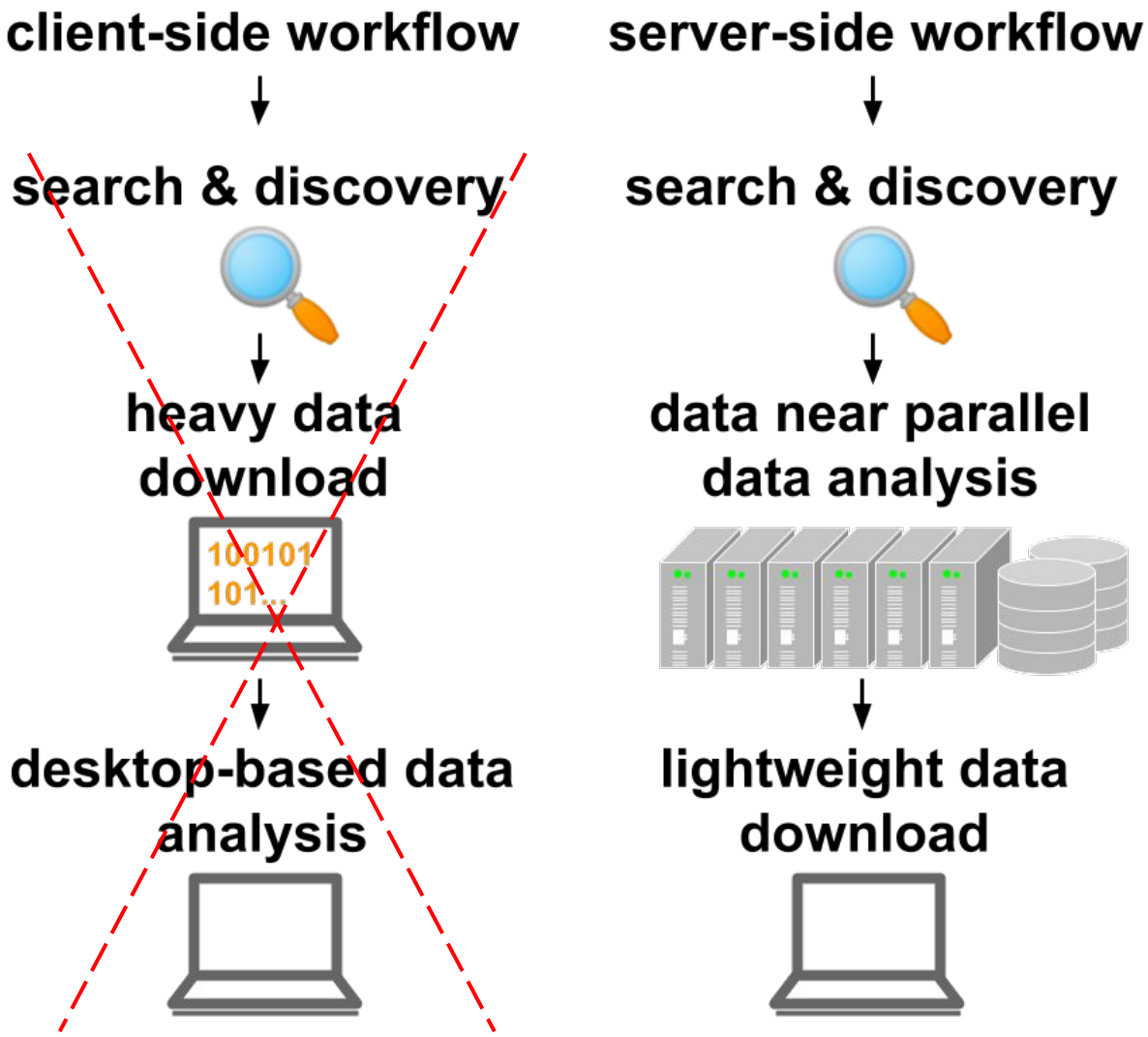
New free of charge server-side data-near computing service



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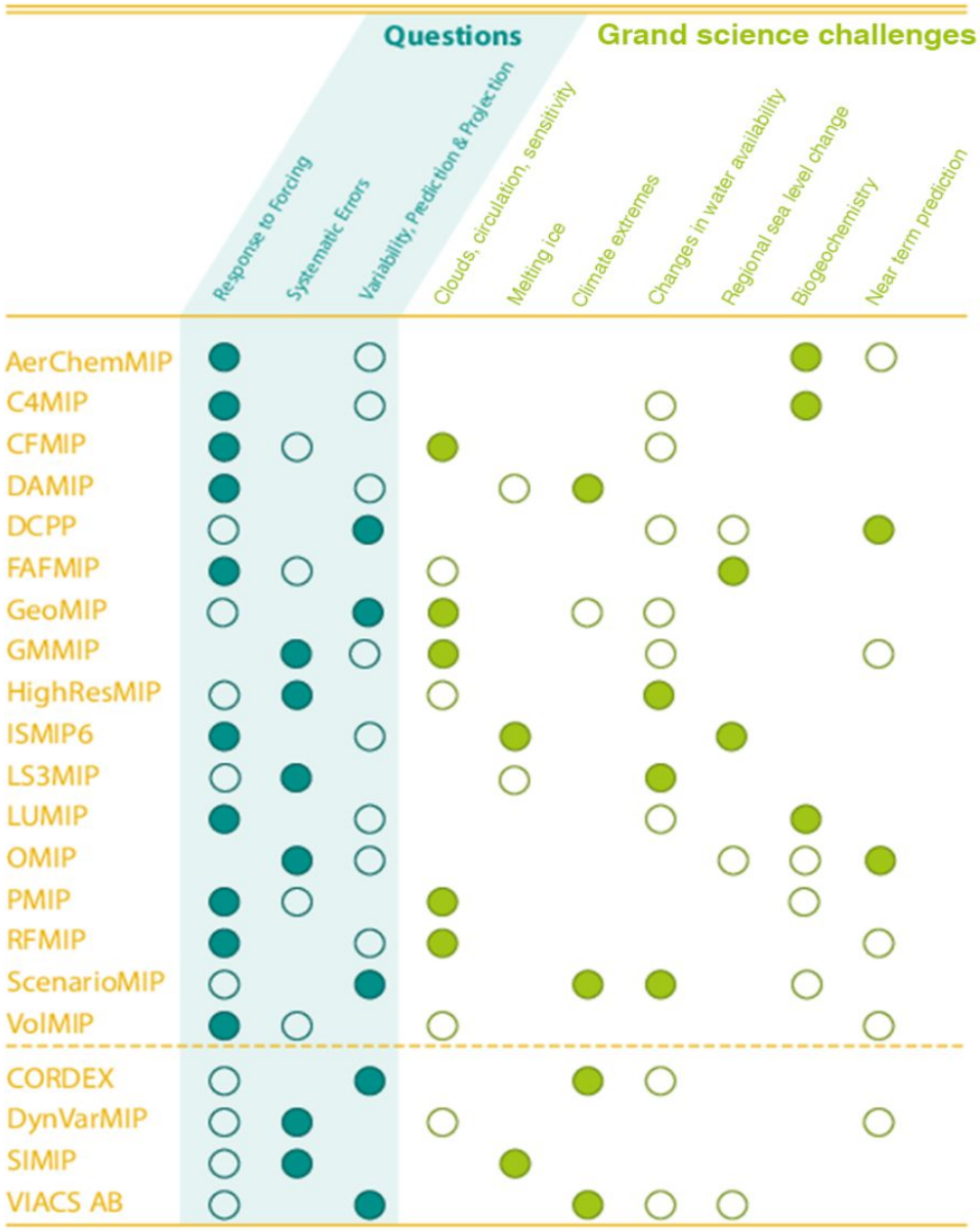

Eyring et al. (2016)

→ to directly access 7+ petabytes of CMIP5, CMIP6, and CORDEX data, the complete available pool, continuously growing and maintained

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→ **to minimize data transfer because the supercomputer is also holding the data and/or can replicate them**

→ to speed up the computation running your multimodel analysis in one of the IS-ENES3 world-class high performance computers

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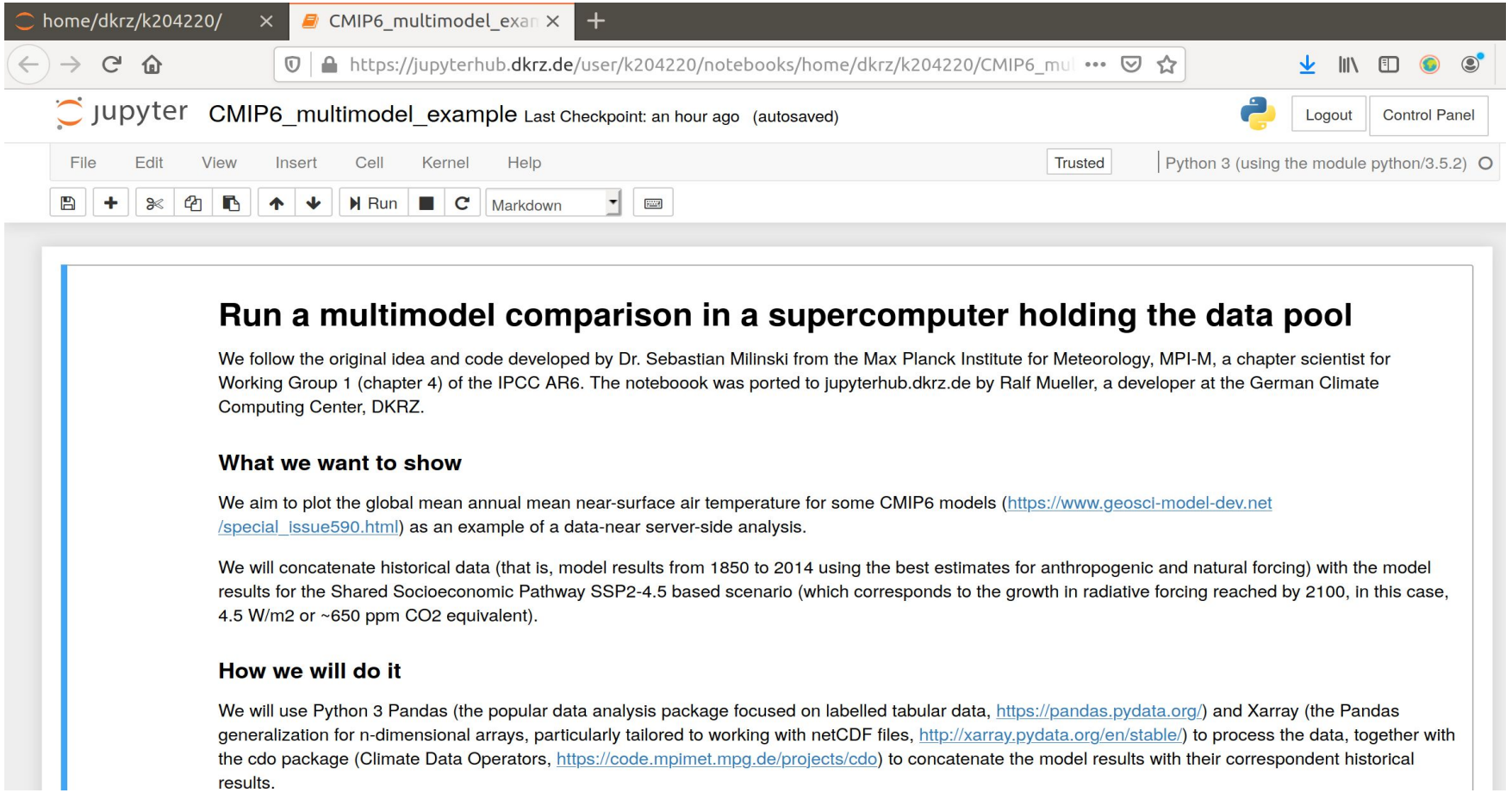
→ to run your own scripts and Jupyter notebooks

Example running at https://jupyterhub.dkrz.de
Repo of test cases: https://gitlab.dkrz.de/k204220/multimodel_comparison_CMIP6/



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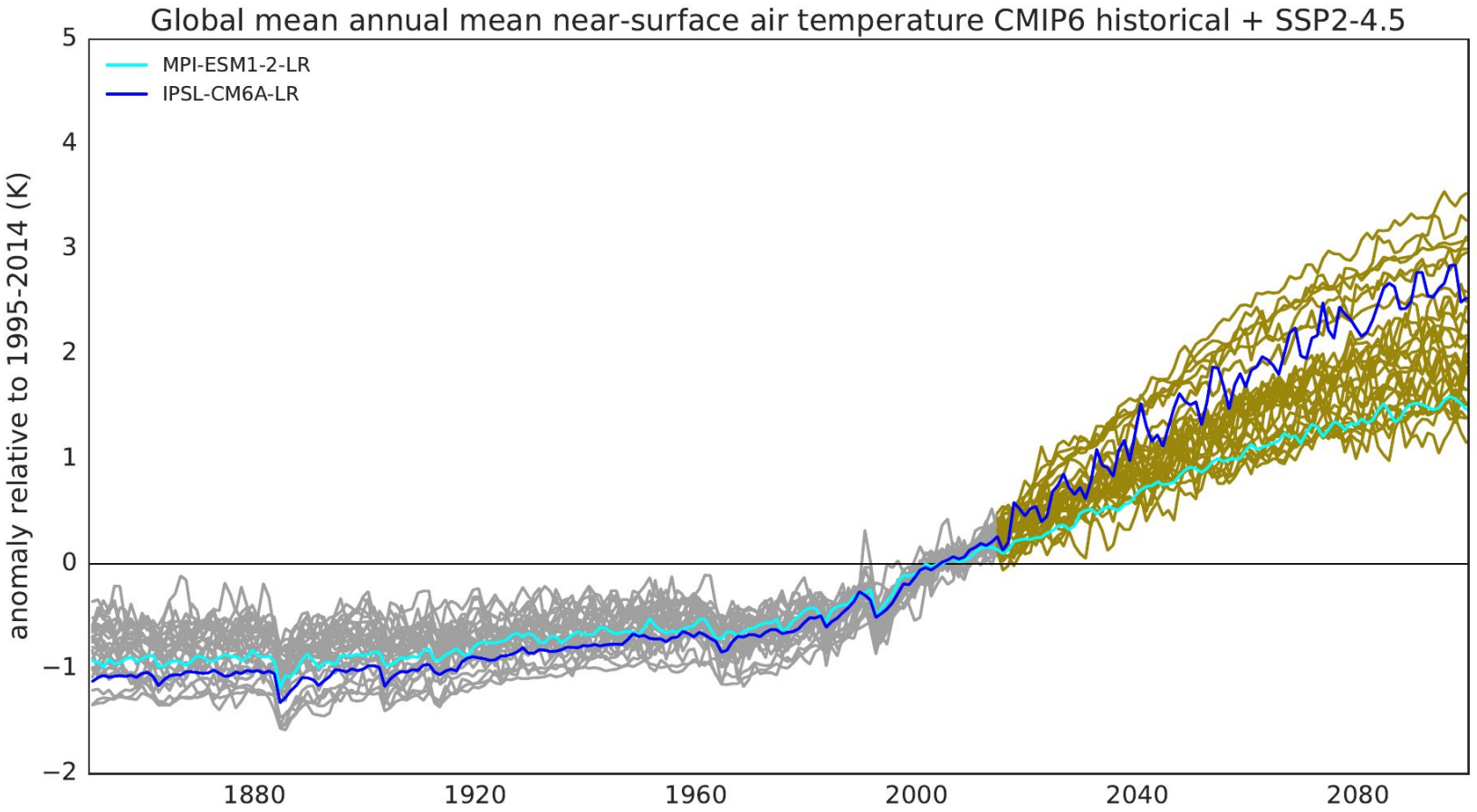

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OPEN CALL
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