



# Demo time

notebook available at

[https://github.com/raphaeldussin/presentations/blob/master/MOM6\\_Webinar\\_May11\\_2020/demo\\_overflows.ipynb](https://github.com/raphaeldussin/presentations/blob/master/MOM6_Webinar_May11_2020/demo_overflows.ipynb)



# Concluding remarks

- Jupyter:
  - same user experience on every platform
  - easy to prototype analysis
  - deployment in production workflow with *papermill*
- Xarray:
  - easily write high level diagnostics
  - xgcm adds model staggered grid awareness
- Dask:
  - easily run performant parallel computations
  - chunking matter!!
- Zarr:
  - great compression
  - choice of chunking is also important
- Importance of community software dev:
  - no "one size fits all" monolithic package
  - contribute to existing packages