

# PSyclone & NEMO Tutorial



# Tuesday Session 4 (90 mins)

- Introduction (20 mins)
  - NEMO, Performance characteristics, PSynclone approach, the mini-app
- **Hands on:** applying PSynclone to the tracer-advection mini-app (20 mins)
  - `cd PSynclone/tutorial/practicals/nemo/1_nemo_psyir`
- Transformations in the NEMO API (15 mins)
- **Hands on:** using PSynclone to add profiling to the mini-app (35 mins)
  - `cd PSynclone/tutorial/practicals/nemo/2_nemo_profiling`

Slack for questions/support with the hands-on sessions:

[https://join.slack.com/t/meteoswiss-group/shared\\_invite/zt-j7ry1st0-4TW0D9B\\_aug7tDa4zylrqQ](https://join.slack.com/t/meteoswiss-group/shared_invite/zt-j7ry1st0-4TW0D9B_aug7tDa4zylrqQ)

# Wednesday Session 1 (90 mins)

- **Hands on:** adding OpenMP to the mini-app (45 mins)
  - `cd PSystem/tutorial/practicals/nemo/3_nemo_openmp`
- **Hands on:** adding OpenACC to the mini-app (45 mins)
  - `cd PSystem/tutorial/practicals/nemo/4_nemo_openacc`

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