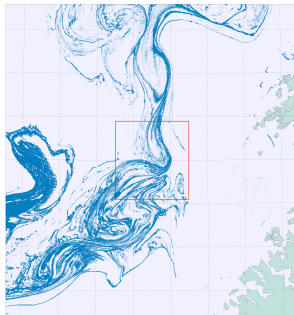
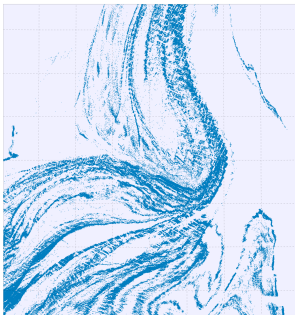
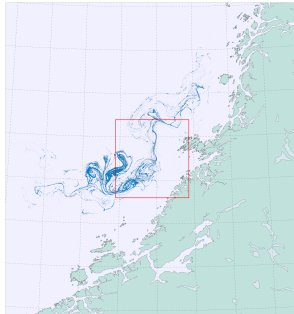
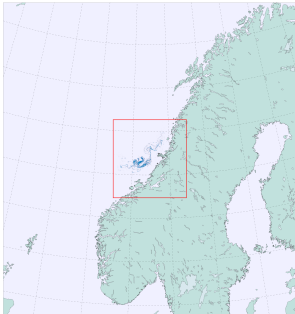


Parallel particle transport

Pollution transport in the ocean and atmosphere





We have:

- A prototype program for particle transport
- Runs on Vilje (the national supercomputer)
- Small and (relatively) modern Fortran code
- Uses MPI for parallelisation

We want to:

- Investigate scaling and tuning
- Investigate turbulent diffusion
- Investigate possible applications
 - Transport of ash in the atmosphere
 - Transport of radioactive material in the ocean or atmosphere
 - ...
- Look at possible extensions

Contact

tor.nordam@sintef.no