

Discussion: model interfaces

Model harmonisation / interoperability:

- . Do we want it?
- which guidelines for off-line and on-line integrated modelling?
 - modular modelling
 - code scripting practices (no COMMON blocks, direct parameter passing, ?)
 - flexible IO strategies to couple interfaces and CTMs
- Definition of standards for distribution of meteorological fields for AQ applications (weather forecast standards are not suitable) – which are the main parameters ?
- Harmonisation of continental scale air quality fields distribution
 - parameters, GRIB, netCDF ...
- Definition of guidelines for interface development and application.

Discussion: Possible Recommendations

- **Tasks to be covered:**
 - Grid matching ?
 - Use of NWP models turbulence/dispersion parameters ?
 - Include meteorological preprocessor capabilities ?
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- **Preferred computational approach and parameterisations.**
- **Basic advices on interface applications and major parameters to be verified**
- **Advanced approaches and formulations: introduction of high resolution land-use and roughness, urbanisation, ...**
- **Weak points and priorities for improvements ?**
- **Volunteer sharing of software implementing parameterisations for interfaces ?**
 - Can we build a public domain library software implementing recommended parameterisations? Funding ?