

# Short summary on ECMWF SAC

SAC (Scientific Advisory Committee): 2.5 days meeting, C-SRNWP PM invited as observer since 2010:

- Reports and plans within operations and research
- Generally SAC supported ECMWF plans for 2012 and for the long term (it meets the strategy). Critics: more diagnostics on scientific blocking points

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## Plans

- Data Assimilation: week constraint 4DVAR (OOPS), Ensemble Data Assimilation, Ensemble Kalman Filtering (scalability)
- Dynamics: Fast Legendre Transform, resolution increase (10 km in 2015, 5 km in 2020)
- Physics: improve the new moist physics scheme, tackle grey zone convection
- EPS: SV to be kept for the time being besides EDA (keep skill for medium forecast ranges), stochastic physics (multi scheme), spectral backscattering scheme

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Outlook on HPCF upgrades:

- Power 7 upgrade 2012-2014
- New procurement to have a new generation HPCF system from 2015 on (energy consumption and computer hall size!)

SRNWP related issues:

- EPS BC Optional project („we” have to act if we would like something to happen)
- ECMWF is also interested in OPERA products (for the time being 2D rain rate in 1D + 4DVAR). Shall we act jointly towards OPERA?