Recent changes of the ECMWF NWP system (6p.04)

New model cycles: One operational cycle (41R1)

- All sky mode for MHS
- SSMIS sounding moist channels over land and sea-ice
- ATMS surface-sensitive channels over land
- 2D operator for GPSRO
- Upgrade to RTTOV-11
- Plus many other data assimilation and model changes

> Operational changes of satellite data usage

- Many data usage changes due to outages and data problems
- Activation of FY-3B MWHS (see poster 1p.02 by Keyi Chen)
- Activation of NPP/CrIS (in addition to 2 IASI, AIRS and 1 HIRS)
- Activation of AMSR-2 and GPM/GMI (in addition to F17/SSMIS)

Main upcoming satellite changes (cycle 41R2)

- Major high resolution upgrade (affecting almost all data assimilation and forecasting components)
- Situation dependent observation errors for AMSUA (poster 5b.06 by Heather Lawrence)
- Activation of F-18 humidity sounding channels over ocean and extend all-sky mode to snowy land
- Improved IASI aerosol screening (poster 8p.04 by Reima Eresmaa)
- Update of RTTOV coefficient files for microwave instruments (see item 2.03 by Cristina Lupu)
- 25% increase of GPSRO observation errors

Grid res	HRES	LegA	ENS LegB/M'ly	4DVAR In 1 st 2		oops 3 rd	Outer	EDA 1 st	2 nd
128 km				TL255 TL	055	TI 255		TL159	TL159 TL191
64 km			TL319		319	TL399	TL399		
32 km		TL639	TCo319		L	12333	12399		
16 km	TL1279	TCo639)				TCo639]	
9 km	TCo1279								

