

ECMWF workshop on Model uncertainty

Erland Källén, ECMWF

ECMWF forecast and assimilation ranges

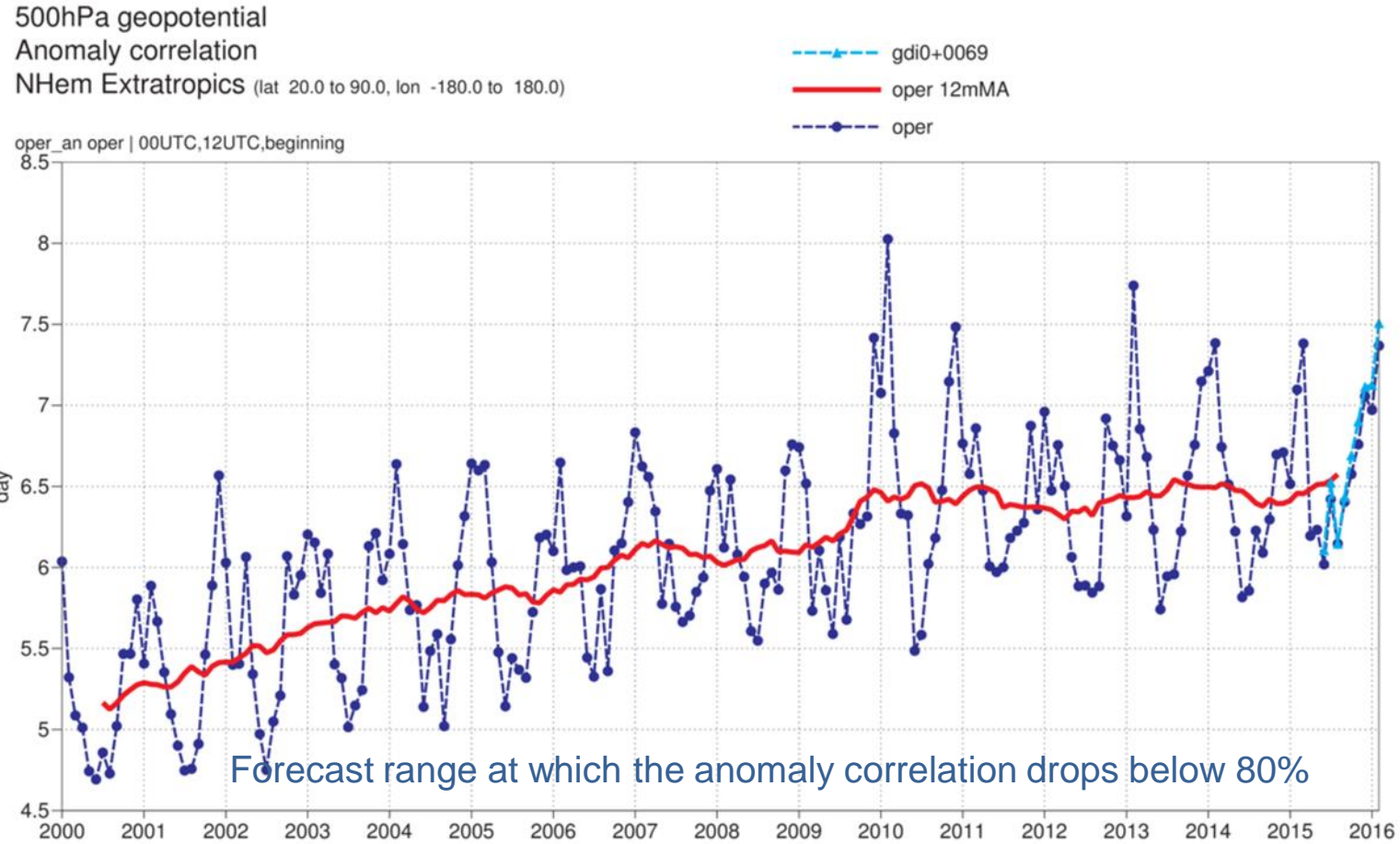
Medium range 3-10 days

Monthly range up to 45 days

Seasonal range up to a year

Reanalyses from 35 years up to century
time scale

Medium range forecast skill



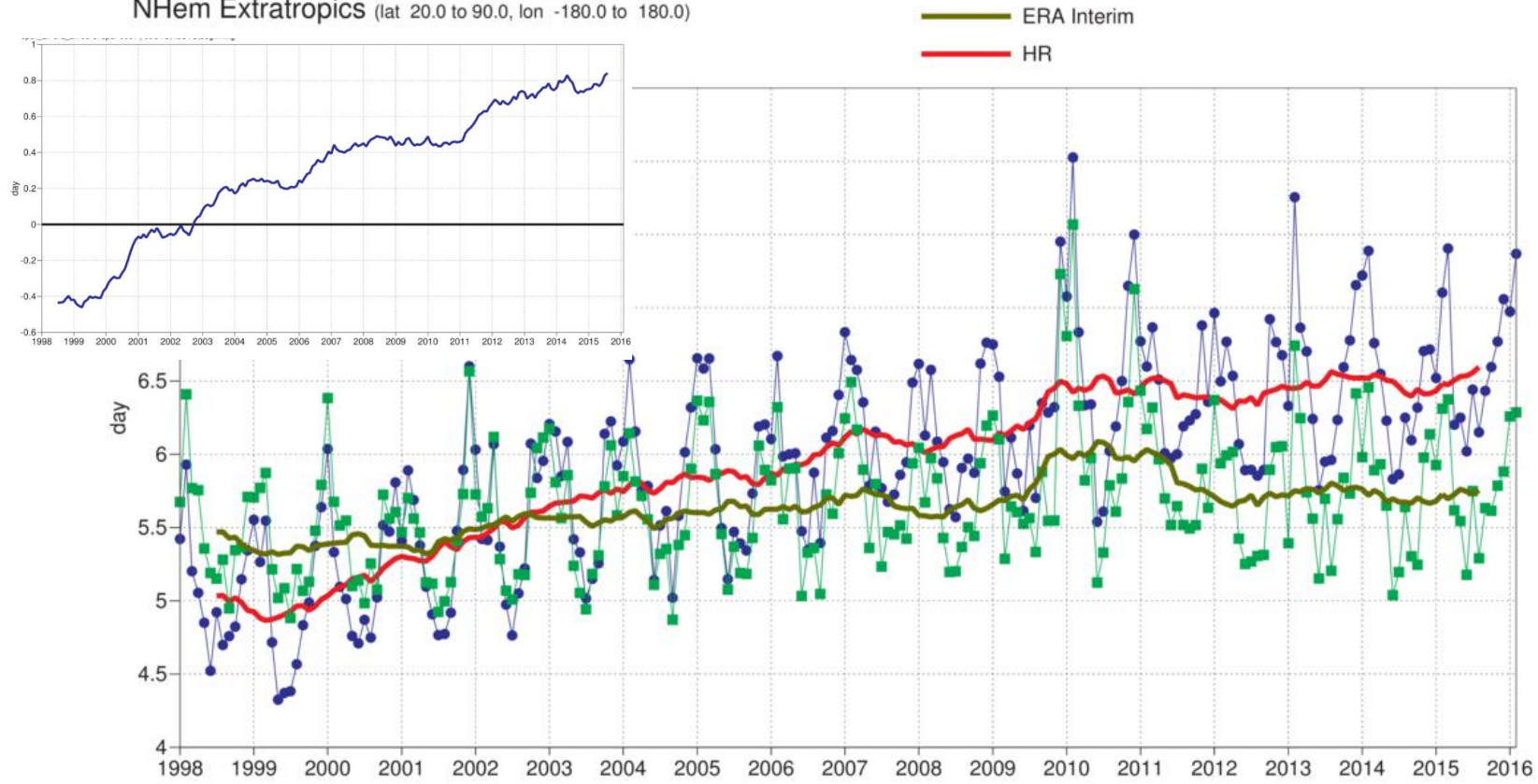
Medium range forecast skill – Normalised with reanalysis

HRES and ERA Interim 00,12UTC forecast skill

500hPa geopotential

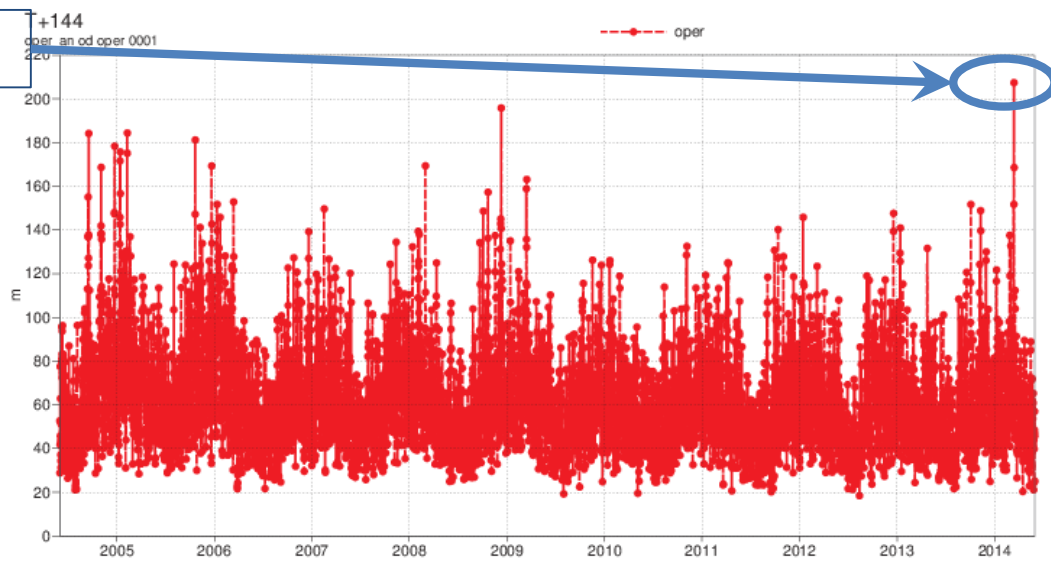
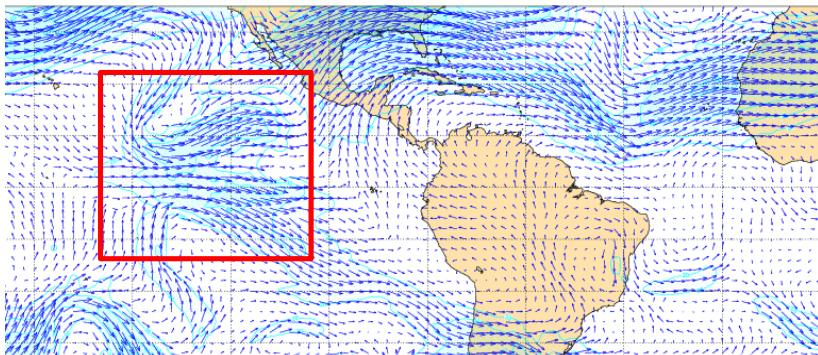
Lead time of Anomaly correlation reaching 80%

NHem Extratropics (lat 20.0 to 90.0, lon -180.0 to 180.0)



A poor forecast

200 mb winds on 15 March 2014



error propagation

