

Zentralanstalt für Meteorologie und Geodynamik 

ALADIN-LAEF (Limited Area Ensemble Forecasting) and requirements for ECMWF BCs

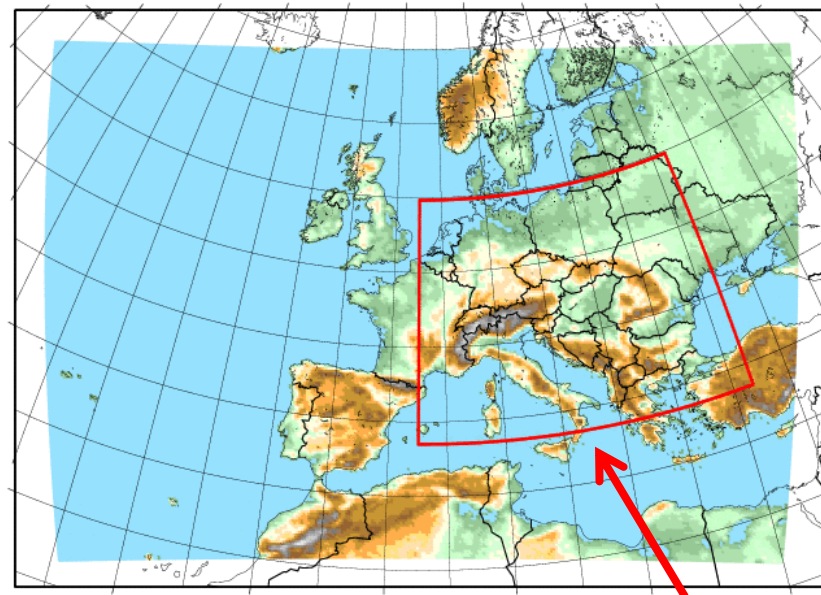
Y. Wang

ALADIN-LAEF: System characteristics

ALADIN-LAEF: 16 gestörte Mitgliedern + Kontrolllauf (IFS/T399) + deterministischer Lauf (IFS/T799, 6.5km).

Ensemblegröße	16+1+1
Horizontale Auflösung	18 km
Vertikale Auflösung	37 Schichten
Läufe/Tag	2 (00, 12 UTC)
Vorhersagezeitraum	60h
Output-Frequenz	1h
Modellzeitschritt	720s
Coupling Modelle	<i>ECMWF-EPS</i>
Coupling-Update	6h

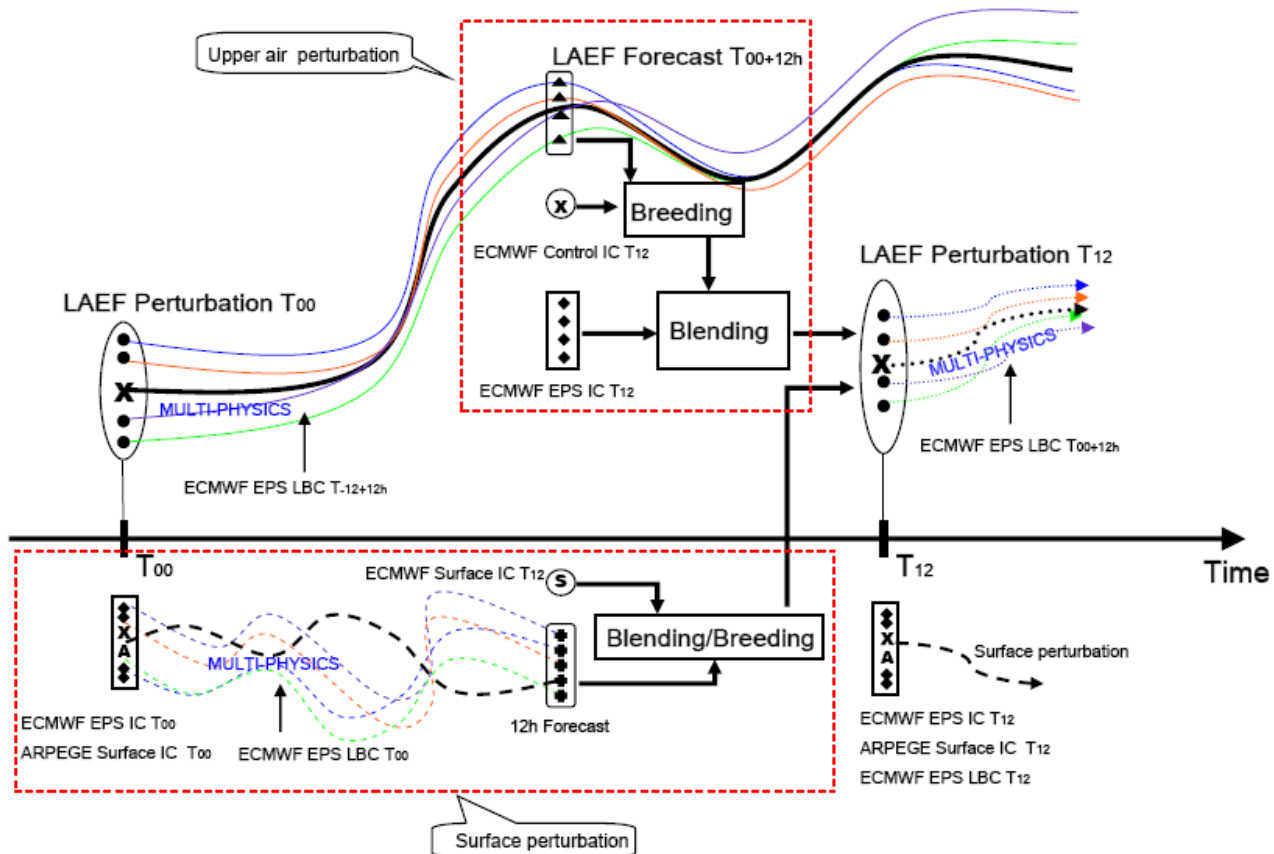
ALADIN-LAEF Domain & Topography



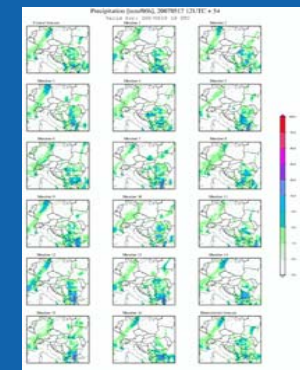
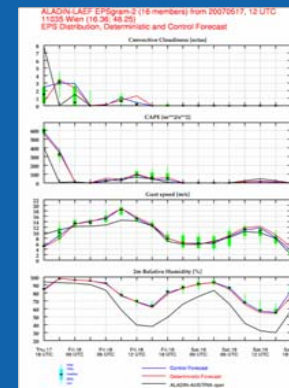
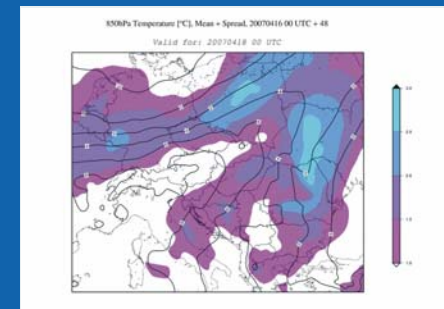
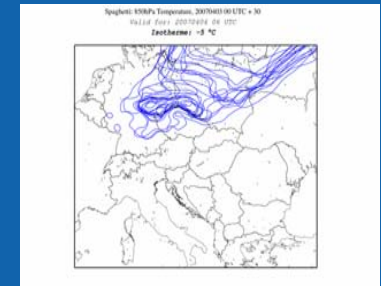
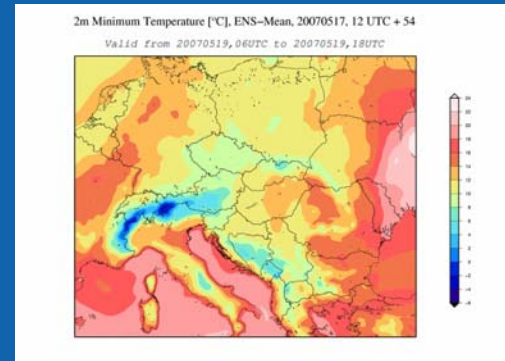
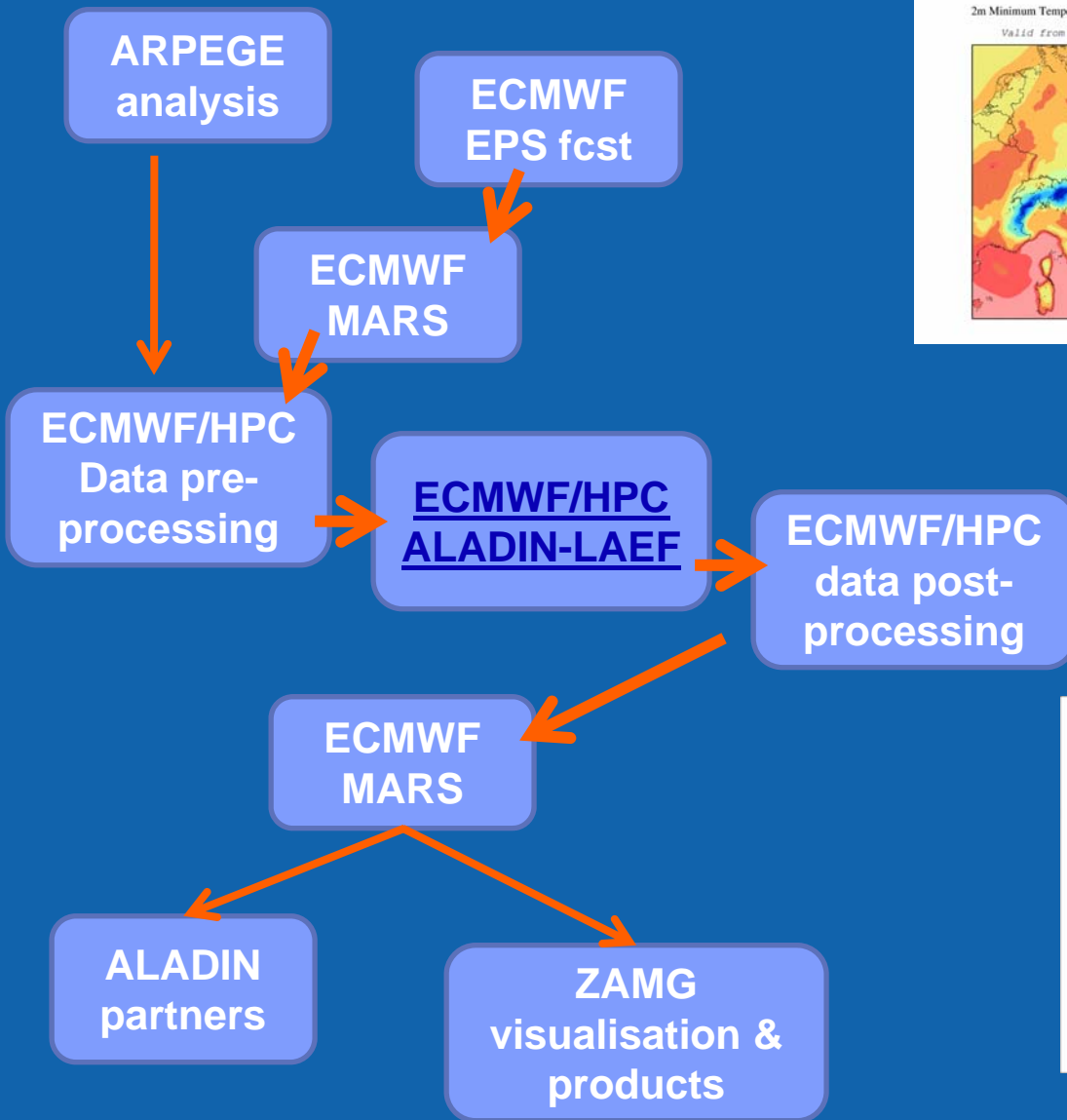
Produkt & Verifikation

ALADIN-LAEF

Schematic of ALADIN-LAEF configuration

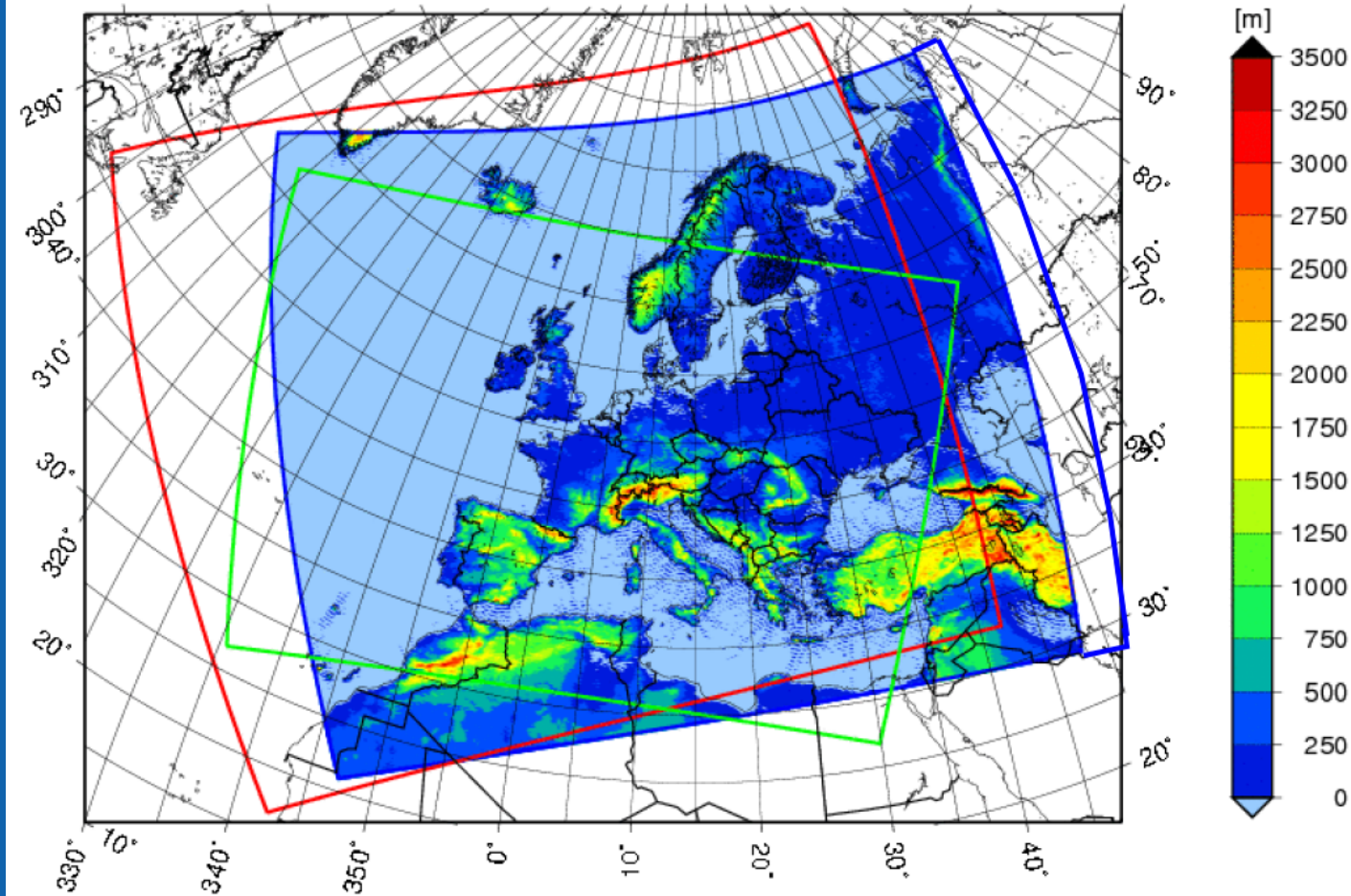


ALADIN-LAEF



ALADIN-LAEF: Domain

ALADIN-LAEF (new, old) vs GLAMEPS



ALADIN-LAEF: Requirements for ECMWF EPS BCs

Domain: Europe+Part of Atlantic+Turkey

Integration: up to 60-72 hour

BCs:

EPS LBC, EPS IC and Control for 00 and 12 UTC runs