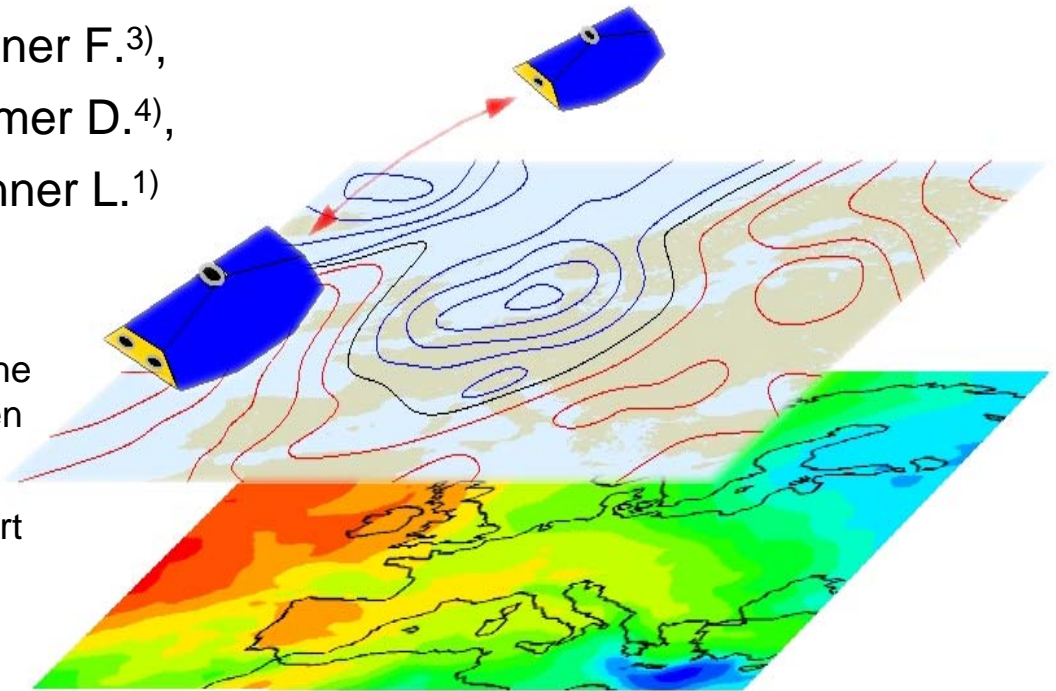


Introduction to the IDEAL-GRACE Project and General Status

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Schmidt T.³⁾, Schwarz G.²⁾, Stammer D.⁴⁾,
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Objectives of IDEAL-GRACE

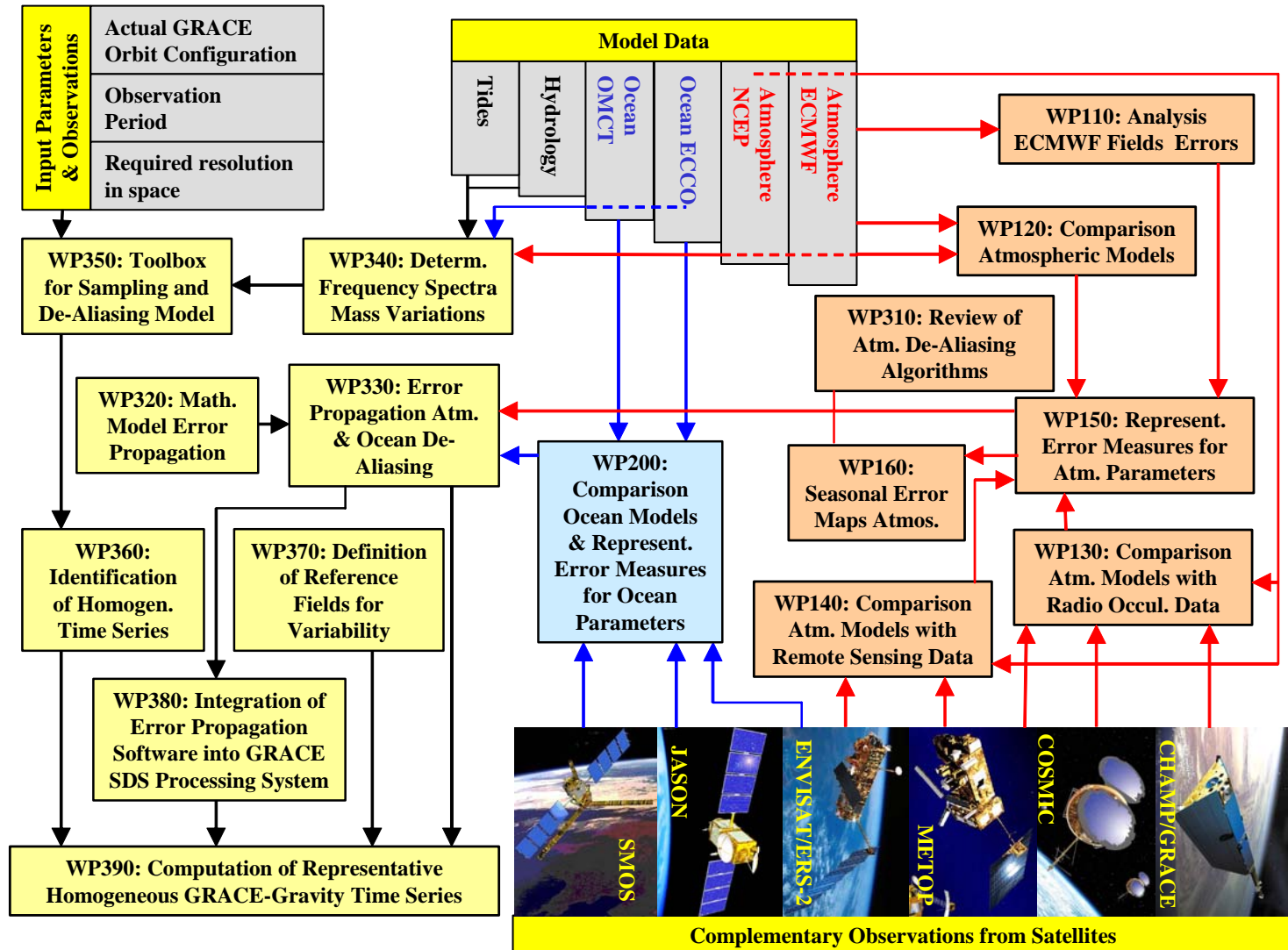
Overall Goal:

Improved **DE-AL**iasing for gravity field modelling with **GRACE**

Main Project Goals

- (1) Determine **representative error measures/uncertainties for atmospheric and oceanic input data** required for correction of high-frequency mass variations in GRACE processing.
- (2) Develop **propagation from atmospheric and oceanic errors to gravitational correction coefficients** and their uncertainties – Replace assumption of error-free de-aliasing in GRACE data processing.
- (3) Develop a **mathematical sampling and aliasing model** to analyze time variable gravity phenomena in view of satellite gravity field satellite missions.

Overview of IDEAL-GRACE



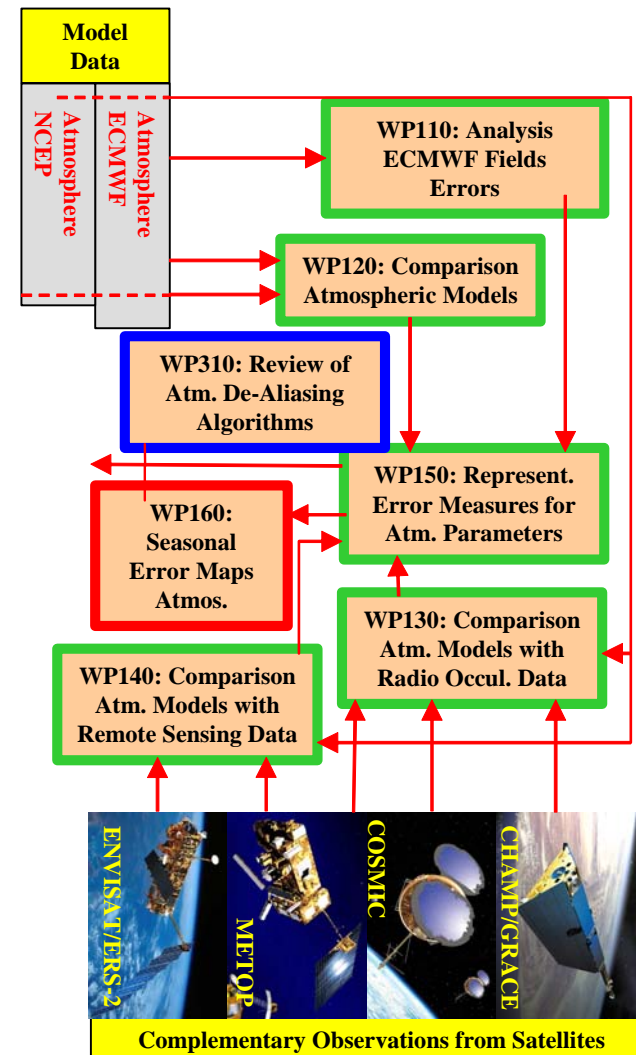
Status of IDEAL-GRACE: Atmosphere

Presentation by T. Schmidt et al.:
„The Determination of Representative
Errors for Atmospheric Parameters“

Poster by E. Fagiolini et al.:
„IDEAL-GRACE: Selected Results from
the First Phase“

Poster by Th. Gruber et al.:
„IDEAL-GRACE: Goals of the Second
Phase“

Presentation by L. Zenner et al.:
„Propagation of Atmospheric Model Errors
to Gravity Potential Harmonics – Impact on
GRACE De-Aliasing“



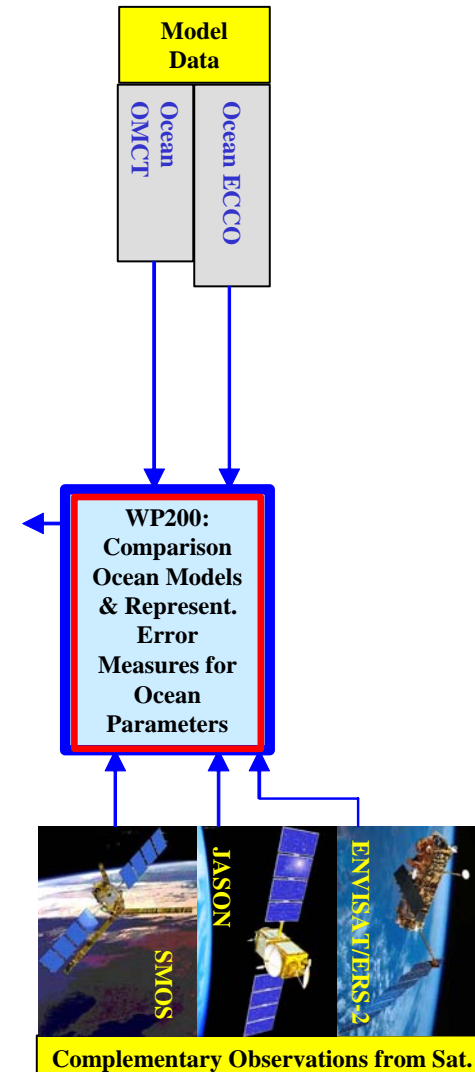
Status of IDEAL-GRACE: Ocean

Presentation by T. Schmidt et al.:
*„The Determination of Representative
Errors for Atmospheric Parameters“*

Poster by E. Fagiolini et al.:
*„IDEAL-GRACE: Selected Results from
the First Phase“*

Poster by Th. Gruber et al.:
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Phase“*

Presentation by L. Zenner et al.:
*„Propagation of Atmospheric Model Errors
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GRACE De-Aliasing“*



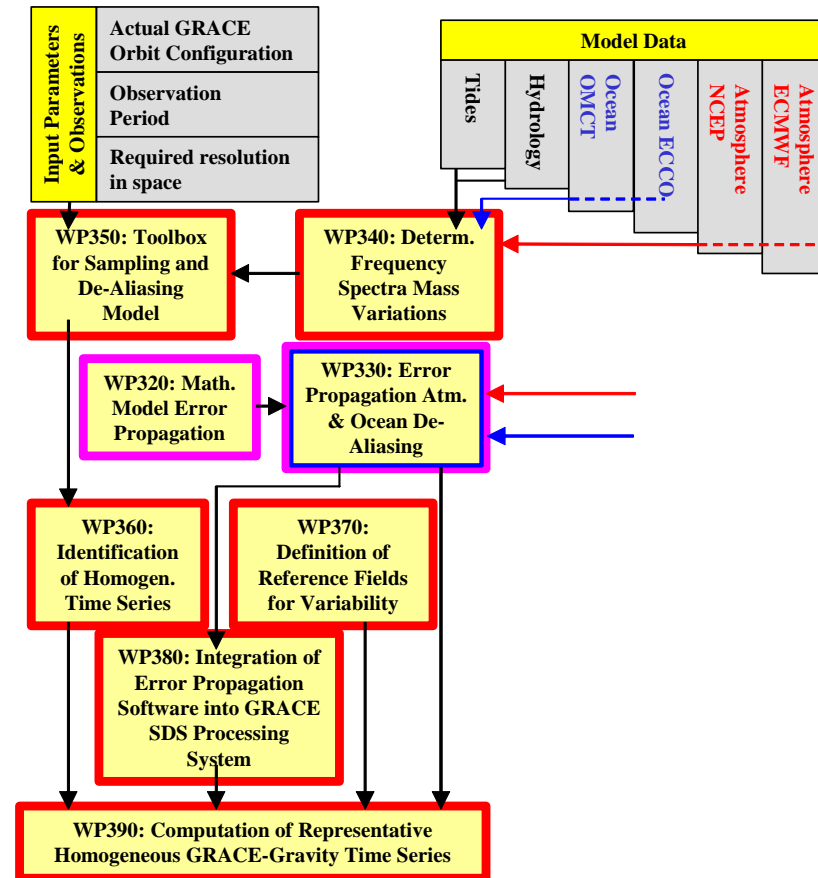
Status of IDEAL-GRACE: Geodesy

Presentation by T. Schmidt et al.:
„The Determination of Representative
Errors for Atmospheric Parameters“

Poster by E. Fagiolini et al.:
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Presentation by L. Zenner et al.:
„Propagation of Atmospheric Model Errors
to Gravity Potential Harmonics – Impact on
GRACE De-Aliasing“



Status of IDEAL-GRACE

