



Contribution ID: 3

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## Assimilation Algorithms: (1) Basic concepts

*Monday, 22 May 2023 11:30 (1 hour)*

This lecture will explain the basic concepts of the assimilation algorithms. The terminology used in the next lectures will be introduced. Simple examples will conduce towards the formulation of the optimal minimum-variance analysis. The optimal interpolation method will finally be presented.

By the end of the lecture the participants should be able to:

- Recognize the notations used for the rest of the week
- Solve the optimal minimum-variance analysis problem
- Apply the optimal interpolation method

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