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## Model error in data assimilation

*Wednesday, 24 May 2023 11:30 (1 hour)*

In this lecture, the impact of model error on variational data assimilation will be presented. This lecture will introduce weak-constraint 4D-Var as a way to account for model error in the data assimilation process. Several examples of results from simplified implementations in the IFS will be shown.

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

- describe the impact of model error on the data assimilation process,
- explain the difficulties in properly accounting for model error in data assimilation.

**Presenter:** LALOY AUX, Patrick (ECMWF)