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From satellite data to models of the geomagnetic field

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The aim of this poster is to show the logic steps that start from the download of satellite data, then go to selection, validation and verification of data and, finally, produce an ensemble of models through appropriate data inversion. Last, but not least, step is the choice of the final model, through selection and validation of the best model by means of comparison with previous models, data not used for modelling, and expected statistical properties. To put in practice the above mentioned, we show the case of a construction of an European model for both main and anomaly Earth magnetic fields.