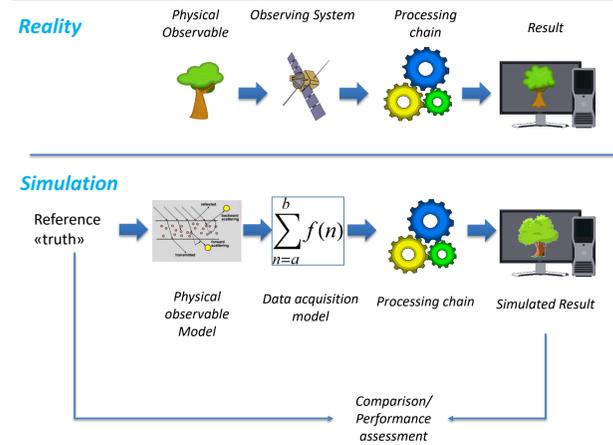


## End-to-End Simulation and Processing Concept

Aiming at determining the instrument performance, numerical simulation of the instrument, and the retrieval of the geophysical parameters from its output, is required. To this aim an End-to-End simulation chain is designed and developed.

The physical observable is replaced by a model in the simulation chain, that has a reference ground truth as input

- The observing system is replaced by a data acquisition mode in the simulation chain
- The processing chain is fed by the simulated raw data in the simulation chain
- The simulated results can be compared with the reference ground truth for performance assessment



## Aresys SAR Altimetry End-to-End Simulation and Processing Chain

