Assimilating **GPS RO** data in **HIRLAM**

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Proposal of EUMETSAT fellowship work

Bending angle or refractivity to assimilate?
- **Advantages and drawbacks of the different products.**
- **HIRLAM characteristics.**

Conclusions and objectives

Assimilating **GPS RO** data in **HIRLAM**

Objectives:
  - **Assimilate refractivity in HIRVDA (3D-Var System), first with a 1D observation operator.**
  - **Set of impact experiments.**
  - **Include a 1D operator for bending angle.**
  - **2D observation operator for refractivity and bending angle.**

Methodology

Current and future work:
  - **software to develop.**