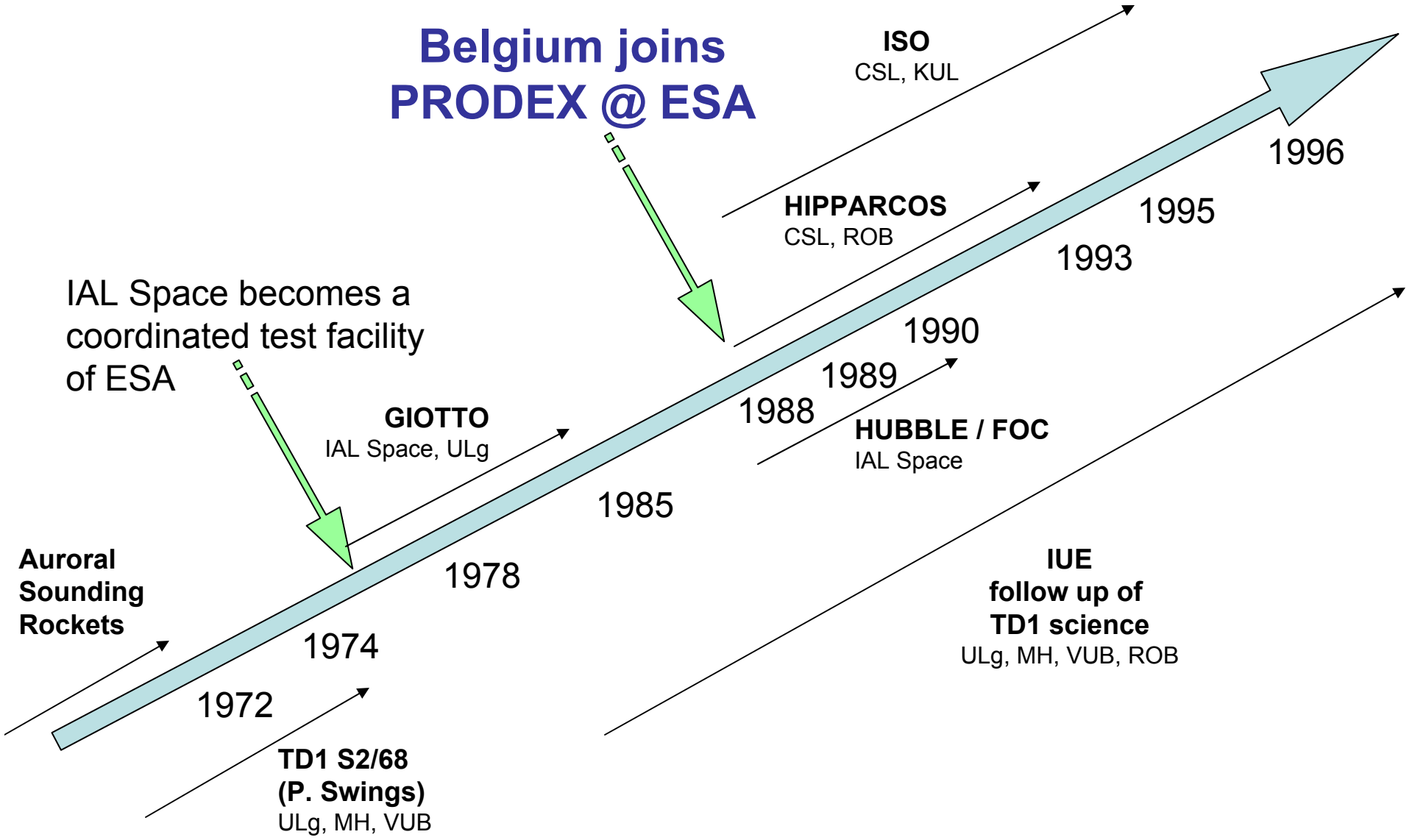

A Belgian Space Odyssey
or
The impulse of a
Belgian/French collaboration
CSL
JM. Defise, CSL

The pre-EIT era

Space Astrophysics activities in Belgium



The EIT era

Genesis…

EIT was proposed by IAS and selected for the SOHO payload in 1988.
After GOLF and SUMER, EIT had not enough resources for full development in France.

PI desperatly seeking
for a PM and a Project Team

Belgium & USA offered their contribution

EIT became the first Belgian PRODEX project

PROgramme de **D**éveloppement d'**EX**ériences scientifiques

The EIT era

- IAL Space (P. Rochus) provided the project office
- ROB (P. Cugnon) provided calibration and scientific support

- NRL (D. Michels) provided the detector and the electronics
- LM (R. Catura) provided technical and science support

Belgium & USA offered their contribution

EIT became the first Belgian PRODEX project

PROgramme de **D**éveloppement d'**EX**périences scientifiques

Development of EIT: a few challenges

Superpolished EUV optics

Thermal refocussing

Vacuum tight during launch

EUV cleanliness

EUV enhanced CCD

…

and

designing an instrument in Belgium with a French PI….

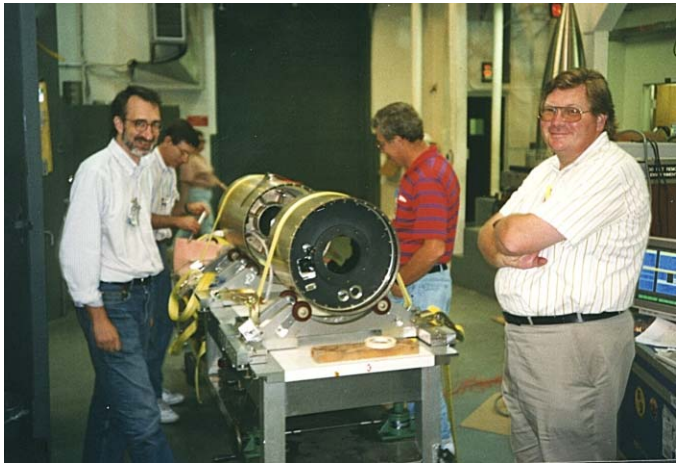
The post-EIT era with PRODEX (at CSL)

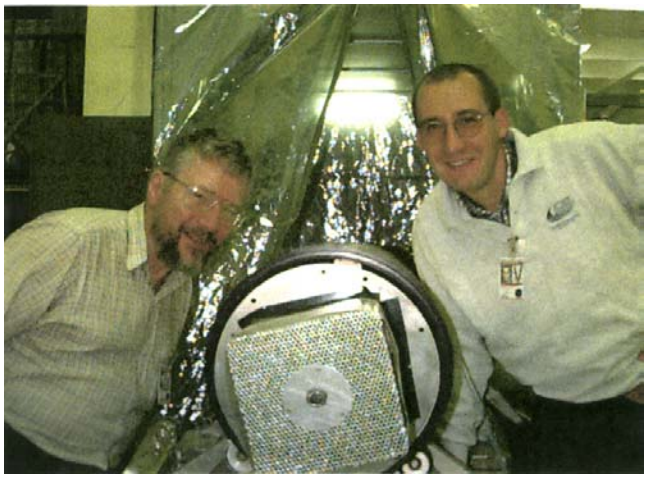
The success of EIT (development and science outcomes) has been a key factor: ***All the next Belgian scientific payloads have been developed within the PRODEX programme.***

A few derivatives with EIT collaborations/heritage:

EIT Calibration Rocket (1995-1997)

Built with spare hardware and launched in 1997, EIT CALROC provided a set of reference data for calibration of the SOHO/EIT data.



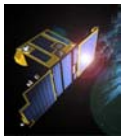


The post-EIT era with PRODEX (at CSL)

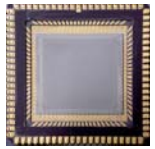
The HELIOSPHERIC IMAGERS of SECCHI/STEREO

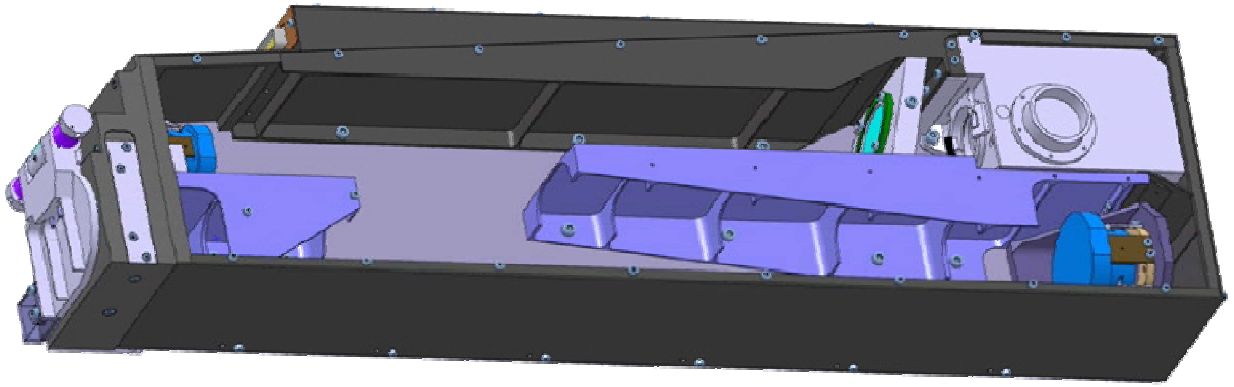
The post-EIT era with PRODEX (at CSL)

SWAP on PROBA-2



- EUV telescope to be launched on a micro-S/C for technological demonstration
- Launch scheduled for mid 2007

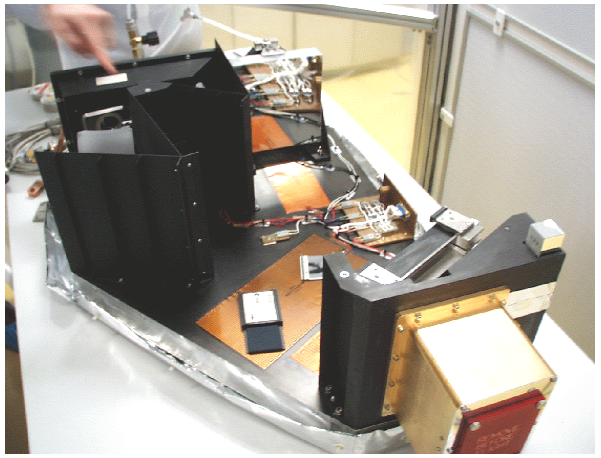


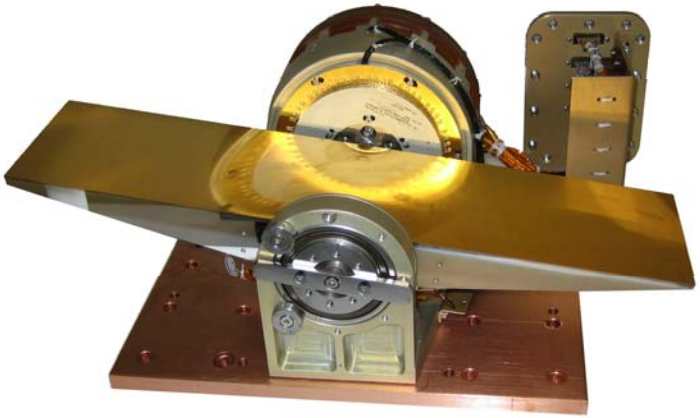


λ = 17.5 n

The post-EIT era with PRODEX (at CSL)

- The FUV Spectrometer on IMAGE
- The XMM NEWTON-OM (Optical Monitor)
- The INTEGRAL/OMC (Opt. Monitor)
- Contribution to COROT (Baffle & Equipt bay)
- HERSCHEL PACS (grating & electronics)
- JWST MIRI (optics & structure, electronics)





FROM CSL FOLKS !