



Ground Segment overview

Arnaud Claret

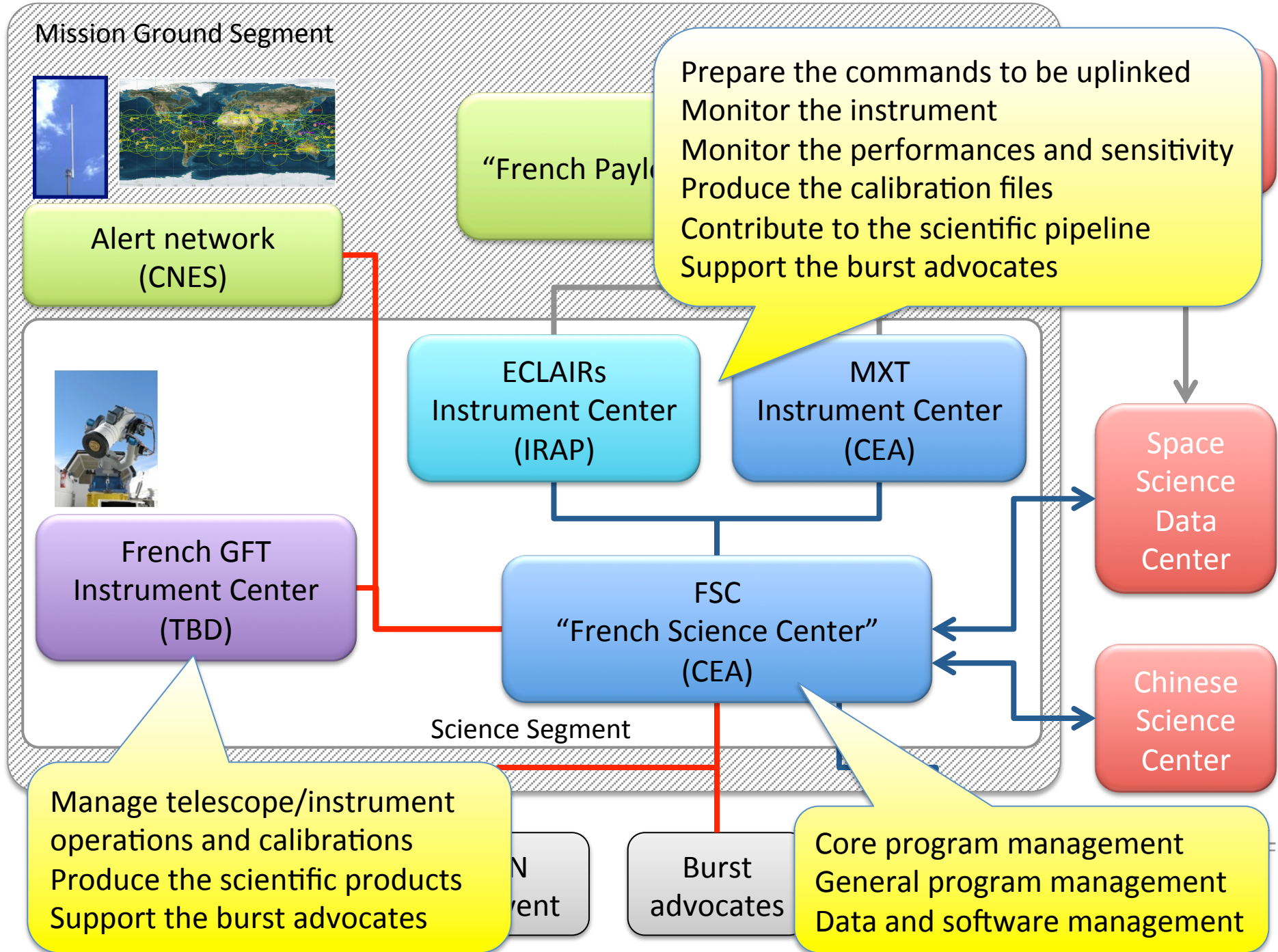
responsible for the French Mission Ground Segment

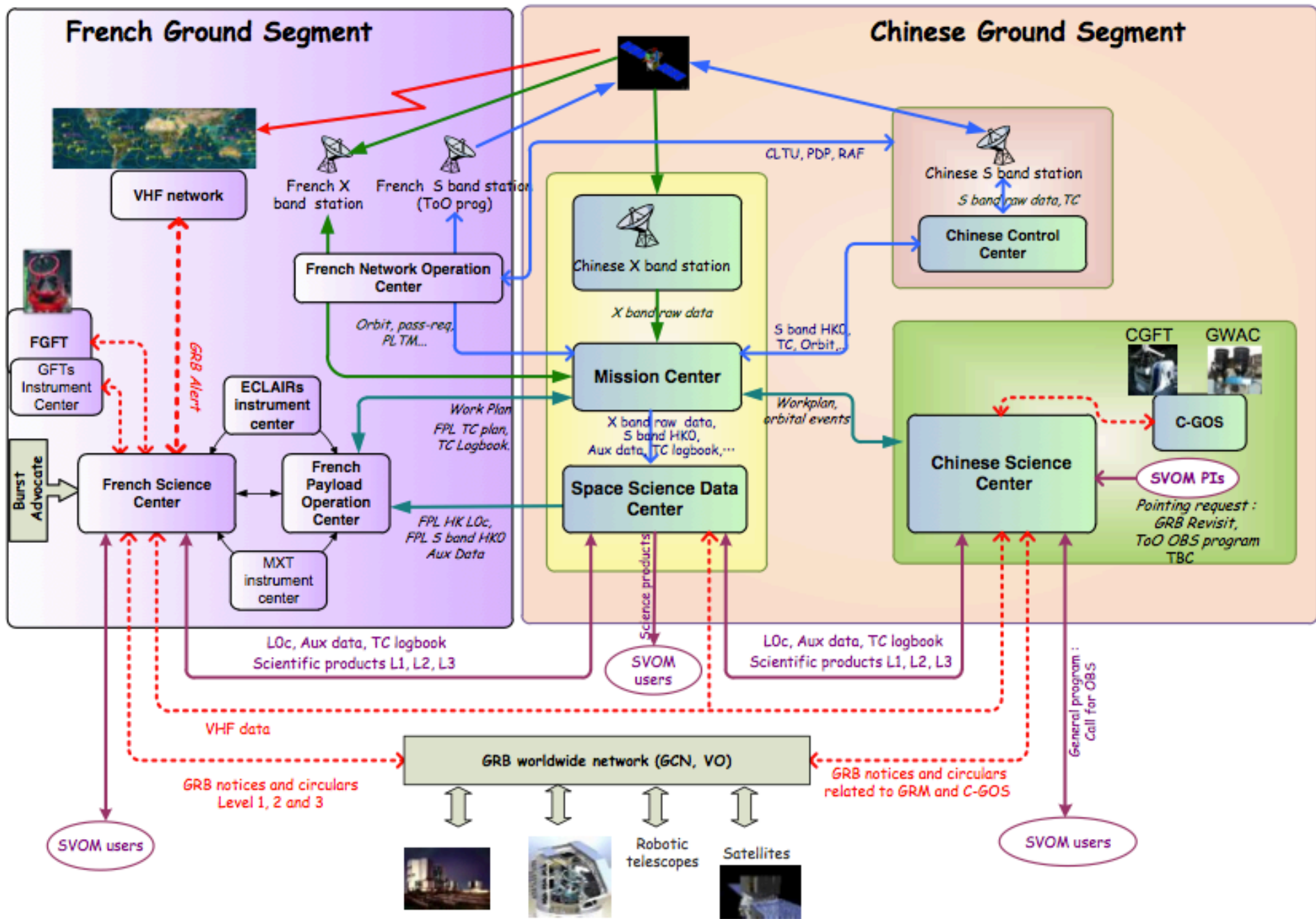
Introduction

Goal = present the general structure of the ground segment as an introduction to the following talk given by Andréa Goldwurm about the observation support

Outline

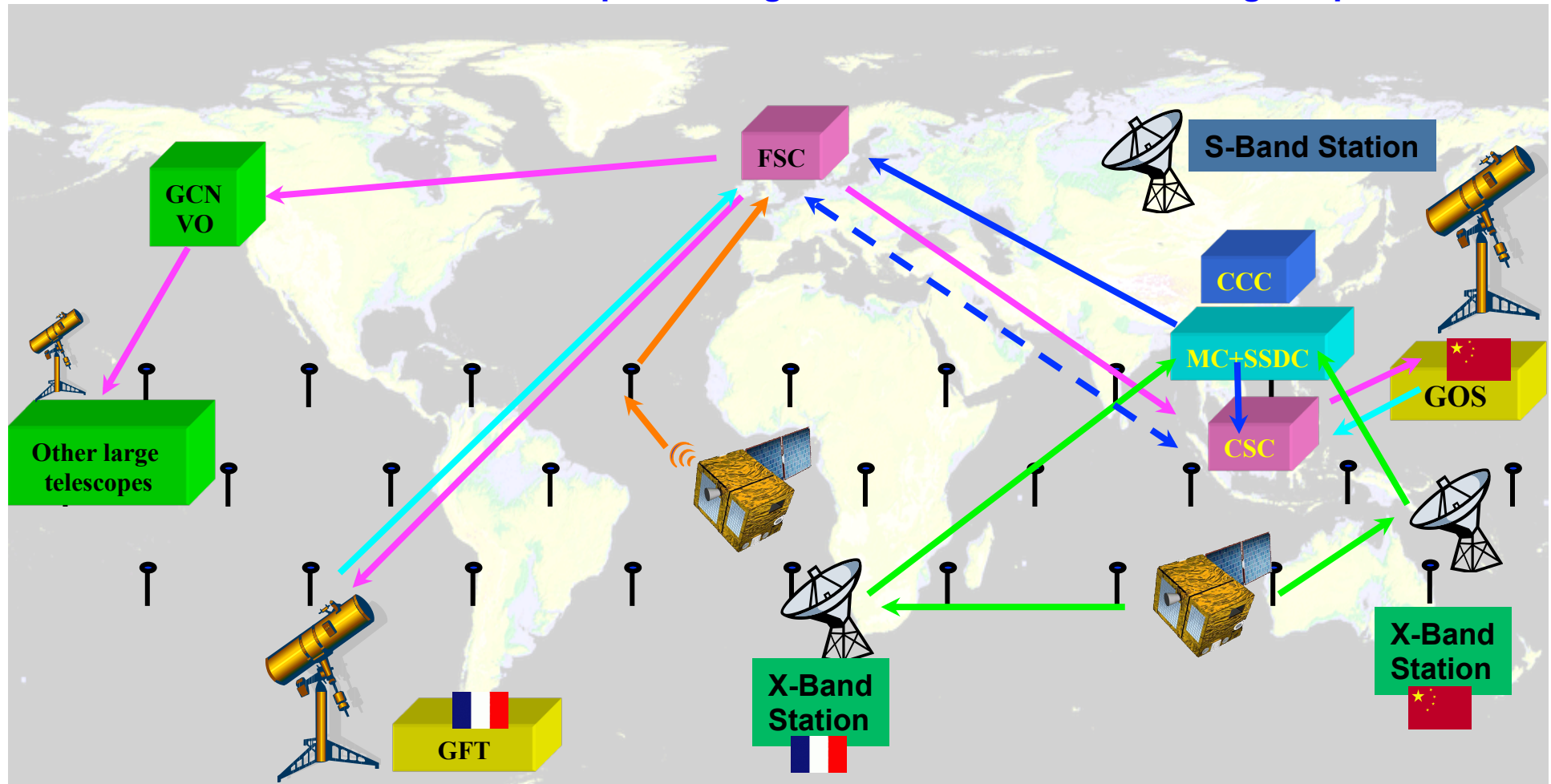
1. Architecture of the ground segment
 - French side only
 - French+Chinese sides
2. The VHF network, an opportunity for the general program
3. Schedule





Near real time network for CP

5s 30s 5min 6h data processing + burst advocates + exchange of products

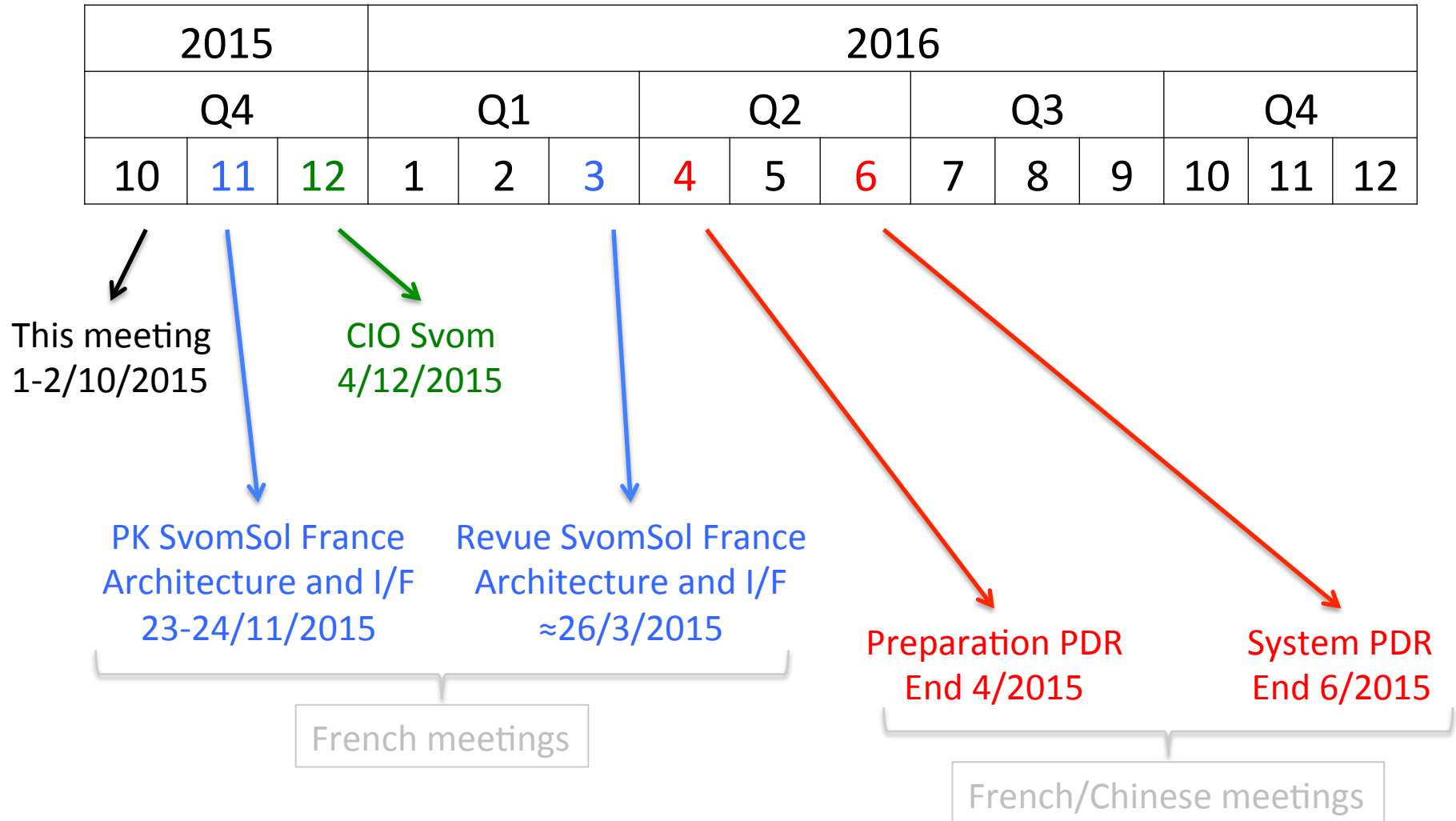


If detected, the variability of a limited number (1-4) of known sources listed in the on-board catalogue can be reported through the recurrent VHF messages downlinked every 20s

Master schedule

- Phase B
 - Still 9 months until end of phase B (June 2016)
- Phase C-D
 - Development \approx 3 years (2017-2020)
 - Tests will start 1-2 years before launch
 - Crucial for all which is related to real time analysis
 - Less crucial for products of general program
 - Still crucial for the management of the GP observations
- Launch expected in 2021

Next milestones



PK SvomSol France

- 2015 November 23-24, at CNES Toulouse
- Main objective
 - Architecture and interfaces
 - To be presented for each “product”
 - CDCF or STB, + IRD (draft)
 - Preliminary design, performances
 - Development plan, validation, planning
 - Organization
- Work to be done before
 - Work packages, to be finalized
 - Pipeline
 - Definition
 - Organization
 - **Data simulators**



Thank you!