



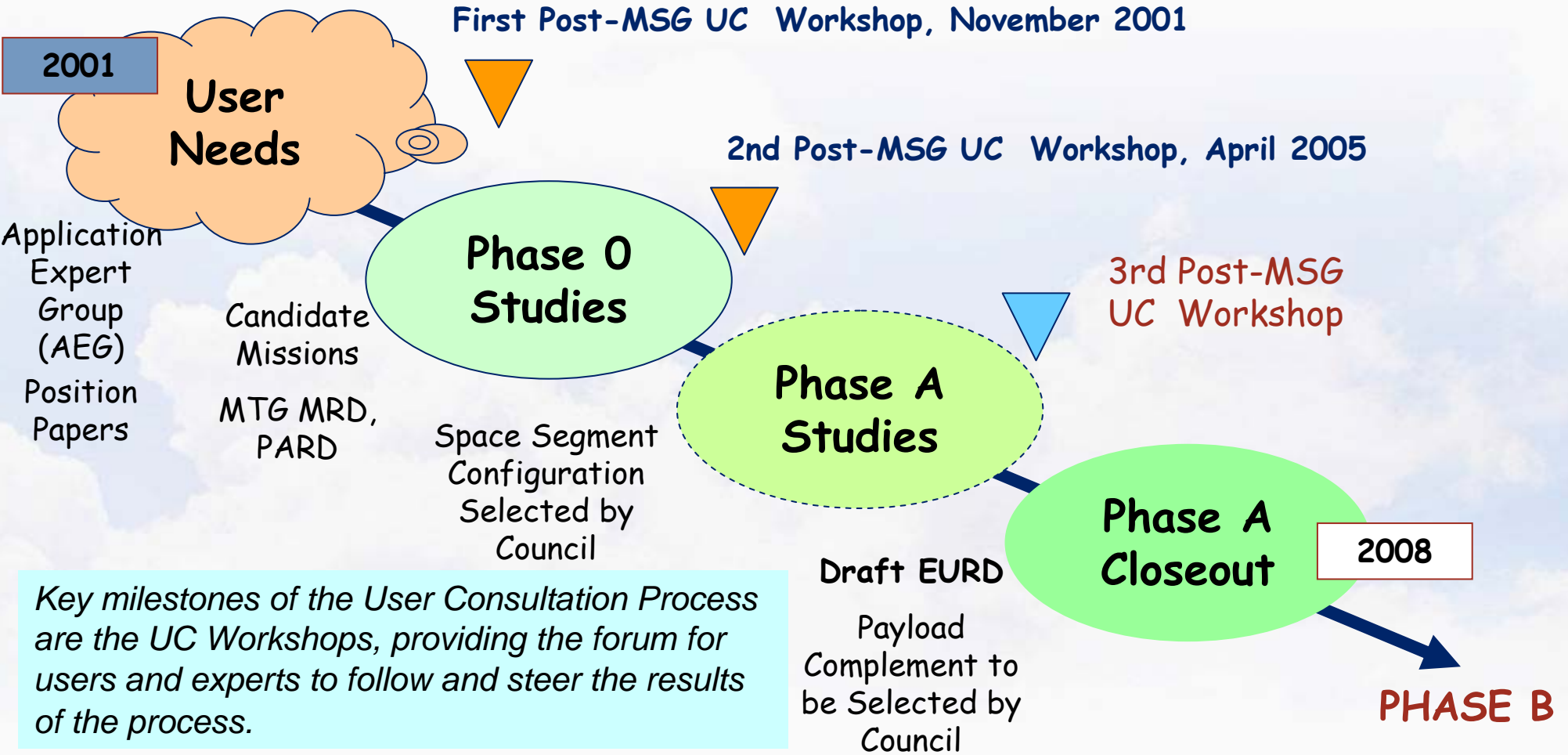
SAF Contribution to the MTG End User Requirements Definition

Lorenzo Sarlo

- From MTG User Need to User Requirements
- SAF Involvement in MTG EURD Preparation



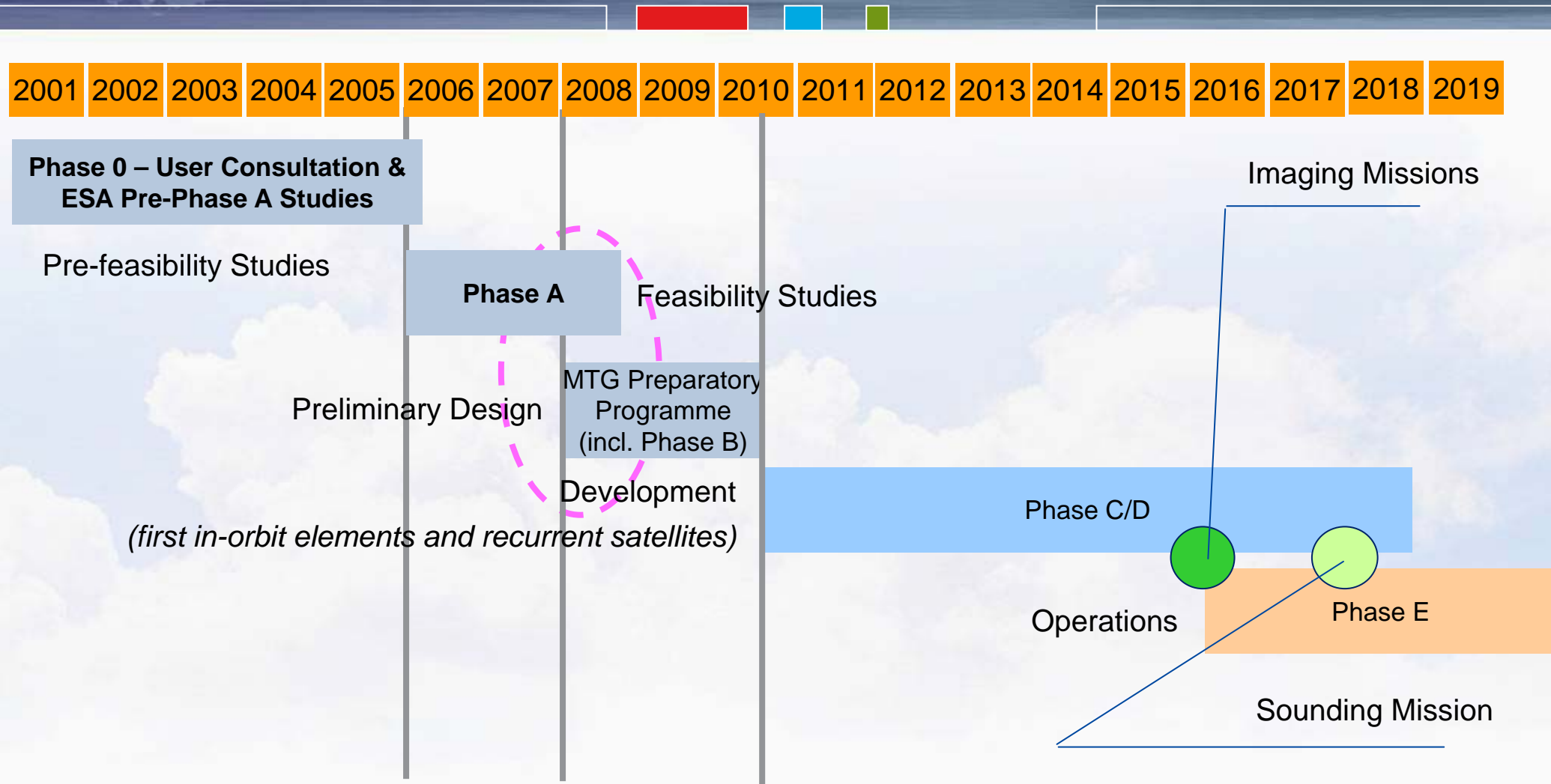
From AEG Position Papers to EURD



Key milestones of the User Consultation Process are the UC Workshops, providing the forum for users and experts to follow and steer the results of the process.

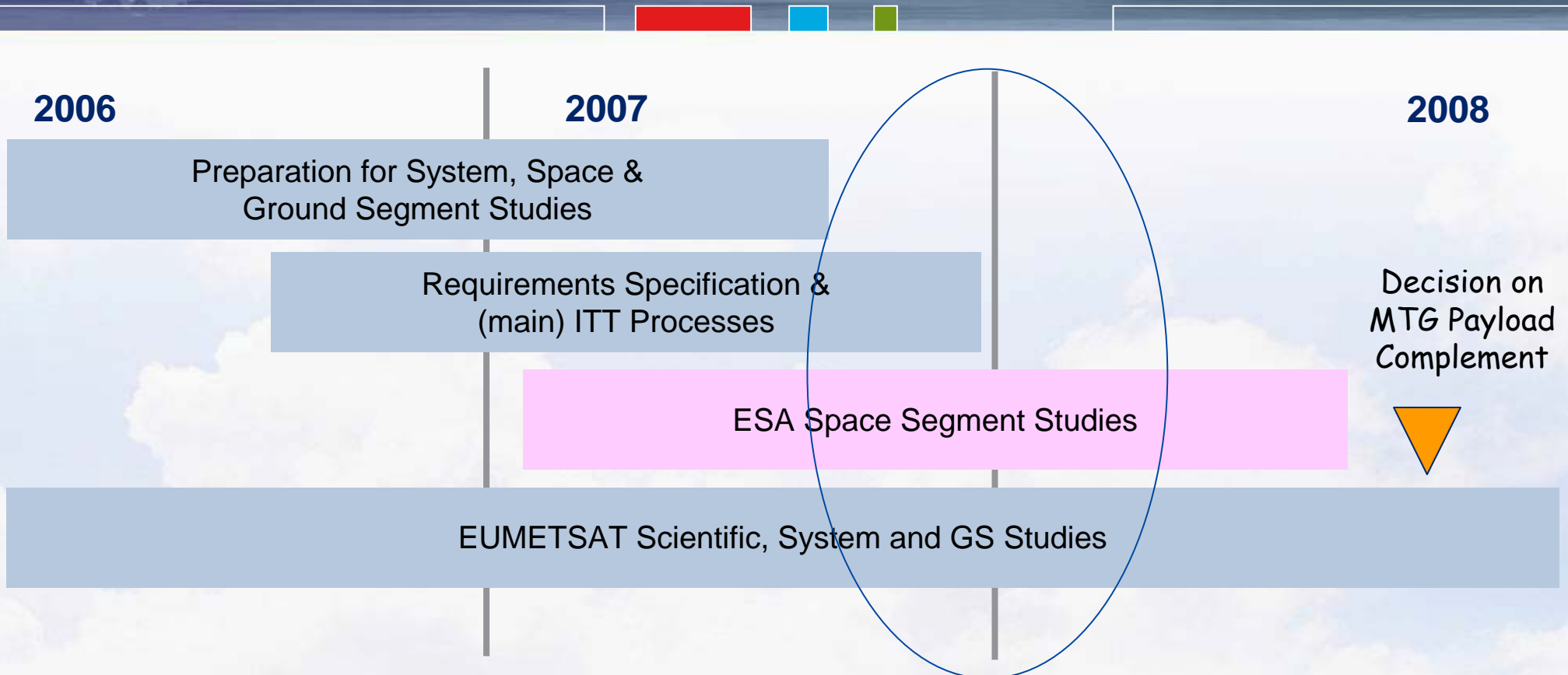


Timeline





MTG Phase A



ESA Space Segment Studies started in February 2007

Phase A reviews at System and Segment Level (Preliminary Concept Review, PCR; Preliminary Requirements Review, PRR)



From AEG Position Papers to EURD

User Consultation

- > 150 User Representatives involved
- 3 Workshops conducted since 2001
- The 2nd UC Workshop (CH, 2005) provided very relevant recommendations for the definition of the in-orbit configuration of MTG
- This 3rd Workshop aims to discuss on benefits of the MTG Missions and close the UC process
- Further Workshops will be organised in the future to keep users informed on progress of MTG
- More than 30 Scientific Studies conducted in support of this process

MTG Expert Team

- 7 meeting done since 2004
- Support to Mission Requirements definition and consolidation
- Consulted for all relevant requirements descoping necessary to eliminate hard design drivers
- Maintained during Phase A
- Application Working Groups to be established for Phase B



Major Achievements

- The Phase-0 Mission Definition Review confirmed the **MTG candidate Missions** and their relative priorities (spring 2006)
- The **MTG In-orbit Configuration** has been selected in spring 2007
 - 3-axis stabilised platforms
 - Twin-satellite concept (MTG Imaging Satellite and MTG Sounding Satellite configurations)
- MTG Preparatory Programme Proposal agreed by EUMETSAT Council and voting process expected to be completed soon
- ESA GMES Sentinel 4 (Chemistry) Phase 0 Studies on-going with proper synchronisation with MTG Phase A, to enable decision by end of Phase A on embarking the instrument on MTG.



Major Achievements

- **The Phase A Mission and System Engineering activities well progress; the System Preliminary Concept Review process will be completed in January 2008**
- **The ESA Phase A Space Segment Studies completed their first part with the Space Segment PCRs completed in November**
- **Large effort spent in 2006 to eliminate unwanted/unnecessary design drivers from the MTG Mission Requirements; *highly effective support of the Mission Experts Team*; related descoping endorsed by EUMETSAT Council in December 2006**
- **Phase A Requirements have been further consolidated in line with PCR results and recommendations of the Mission Experts Team**



Establish MTG End-user Requirements

- **As a major output of Phase A, the objectives of the MTG Missions shall be agreed with EUMETSAT Delegates and users**
 - *selecting those requirements from the Mission Requirements Document (MRD) pursued for implementation through the MTG Programme, and thus*
 - *refining them in the MTG End User Requirements Document (EURD)*
- ***Aim is to establish a preliminary version of the End User Requirements Document (EURD) by end of Phase A***
- **MTG EURD will be consolidated in Phase B (by mid 2009) to support proposal for the EUMETSAT MTG Development and Operations Programme**



MTG End-user Requirements

- **Users view**
 - ➔ **End-to-end perspective**
 - ➔ **Basis for MTG Validation**
- **Initial set of committed products**
 - ➔ **Will include requirements on the contribution of the Satellite Application Facilities (SAF) Network**
 - ➔ **Continuity of SAF Product Services**
 - ➔ **New SAF Products and related Services**



MTG EURD

