



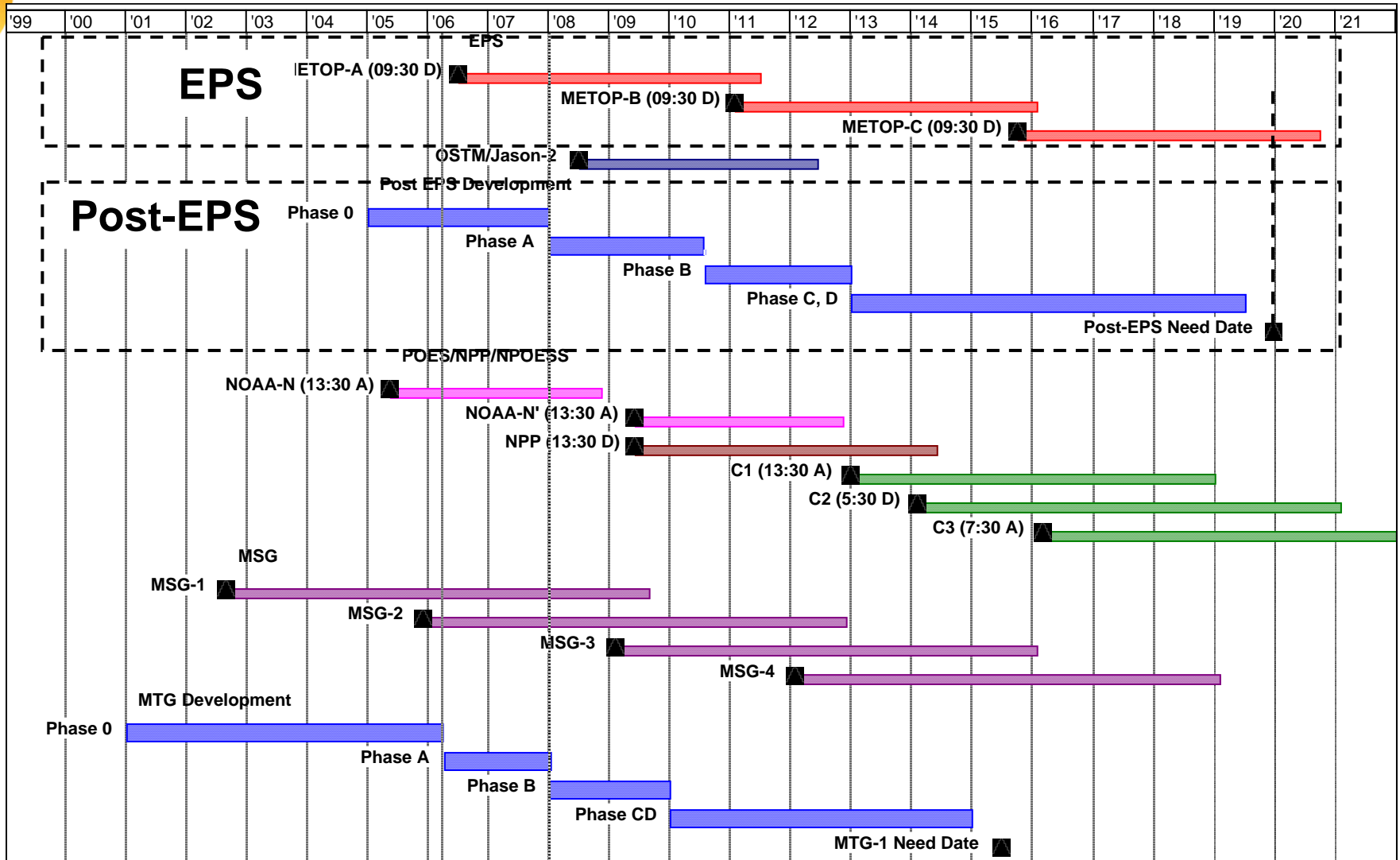
Post-EPS User Consultation Process

Topics

- **User Consultation and Future Programmes**
- **Post-EPS User Consultation**
- **Objectives of the Workshop**



User Consultation and Future Programmes (1)

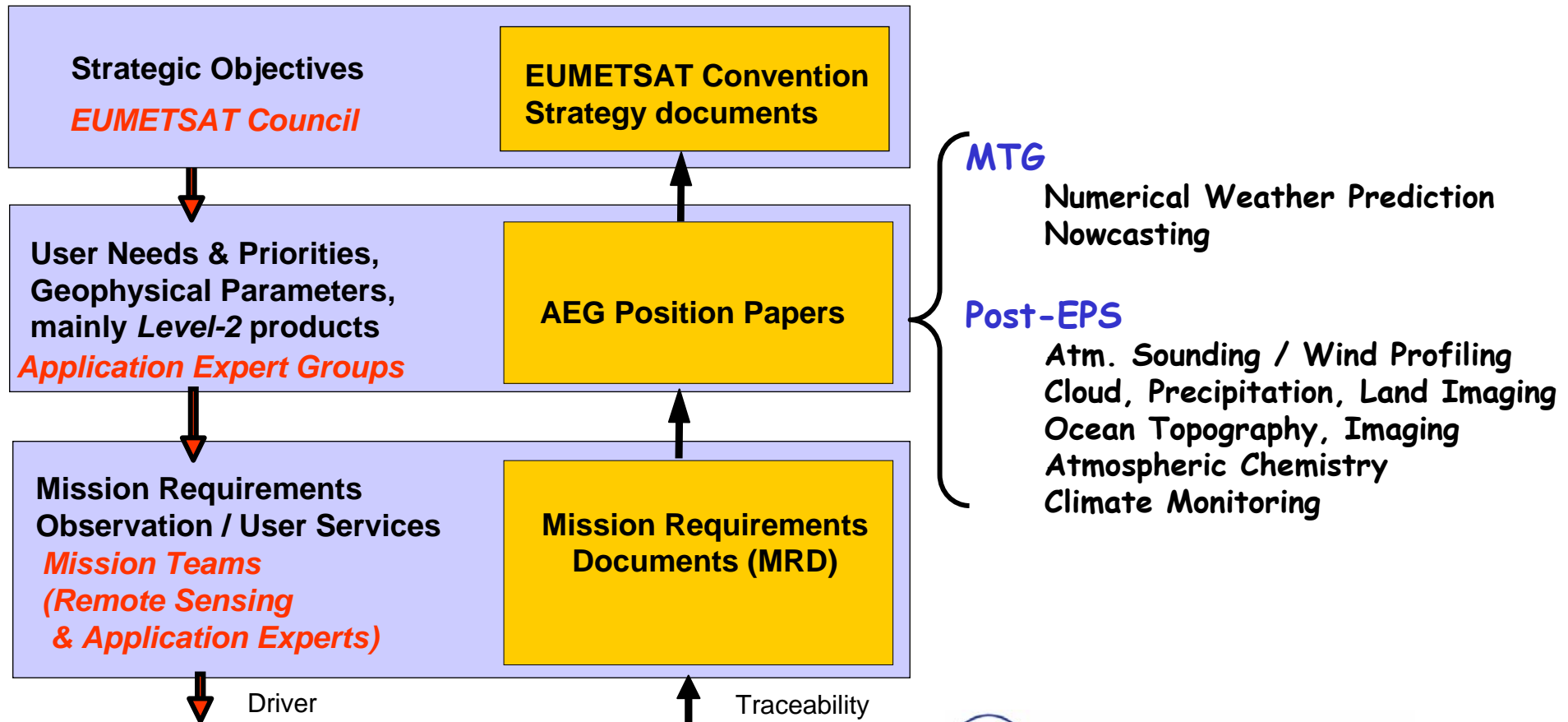




User Consultation and Future Programmes (2)

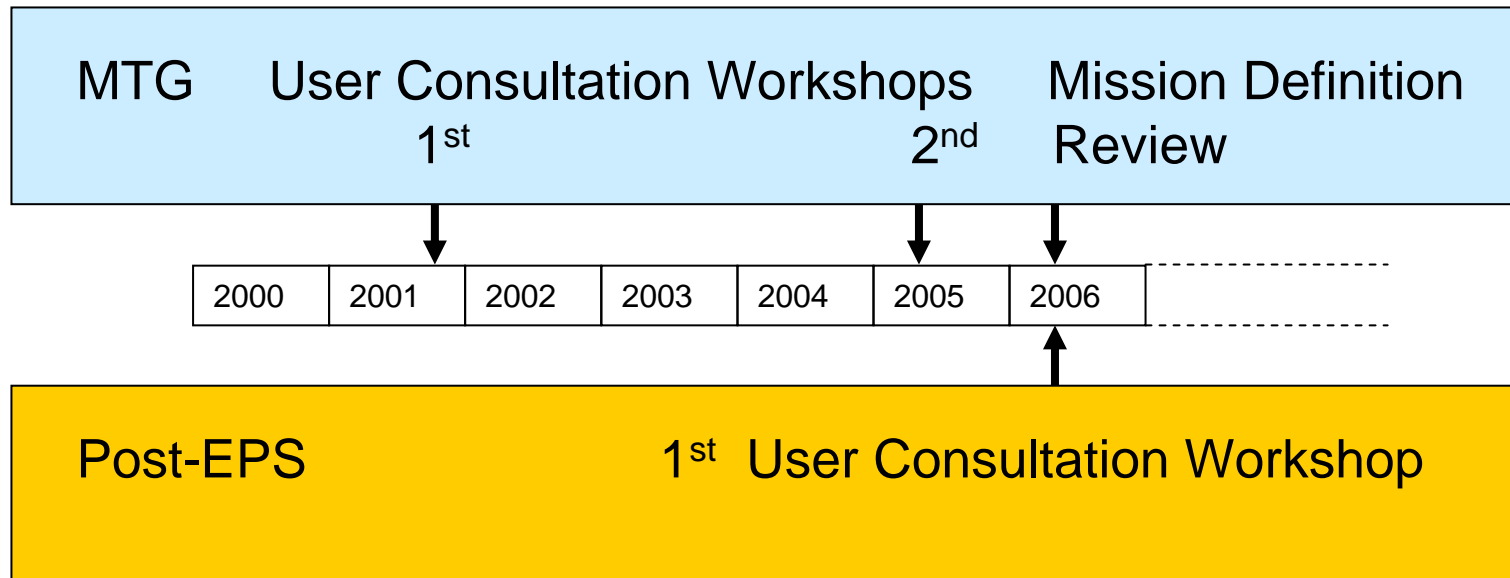
Requirements & Logic

Documents



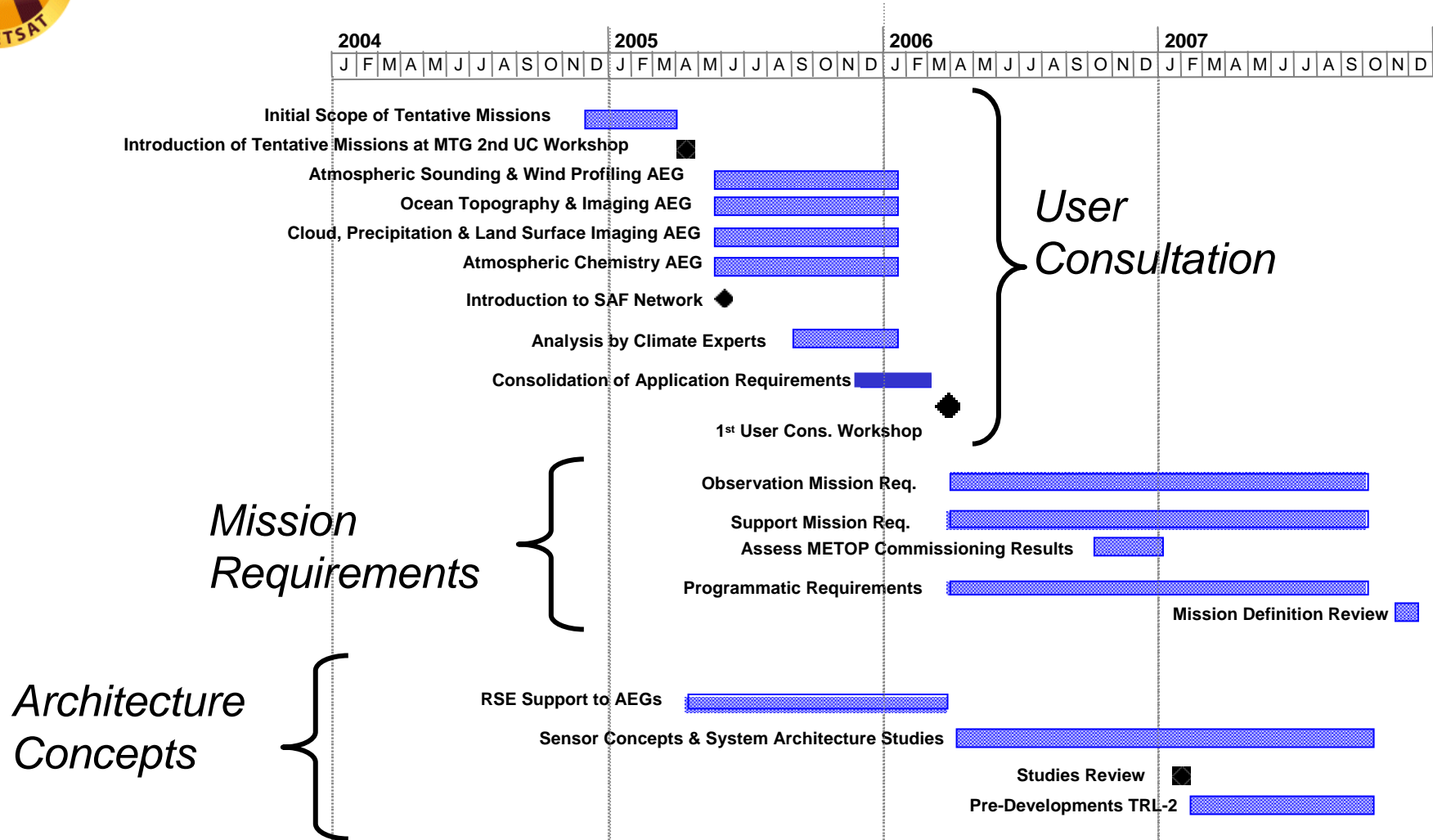


User Consultation and Future Programmes (3)





Post-EPS User Consultation (1)





Post-EPS User Consultation (2)

- The approach for the **Post-EPS preparatory activities** was approved by the EUMETSAT Council in November 2003
- Focus on **establishing mission requirements**
 - Starting point was the outcome of the MTG user-consultation
 - Relevance:
 - Based on 25 Year Strategy of EUMETSAT customers
 - User needs/priorities from application, technology-free perspective
 - Assessment of observing techniques suitable from GEO/LEO
 - Can be updated on demonstration of new capabilities



Post-EPS User Consultation (3)

- Need for expansion of user consultation **from MTG to Post-EPS**
- **Applications:**
 - Oceanography (partially addressed in Global NWP only)
 - Atmospheric chemistry & carbon cycle (focus was $\Delta T < 1$ hour)
 - Land surface analysis at large scale (met. applications only addressed)
 - Hydrology
 - Climate monitoring (focus was on GEO missions, no specific requests for products other than NWP and NWC)
- **Observing techniques:**
 - Full assessment of LEO capabilities (focus was GEO)



Post-EPS User Consultation (4)

Application Experts Groups (AEG):

- Atmospheric Sounding and Wind Profiling
- Ocean Topography and Ocean Imaging
- Cloud, Precipitation and Land Surface Imaging
- Atmospheric Chemistry
- Climate Monitoring

Tasks:

- Identify the evolution of the application and the contributions of space-based observations
- Collect and review user requirements establishing a prioritised list of geophysical variables
- Present and discuss findings in open workshops



Post-EPS User Consultation (5)

Work done and Achievements to date:

- Investigation and analysis of relevant sources including MTG (NWC, NWP), WMO, IGOS (Ocean, Carbon Cycle, Atmospheric, Chemistry, Water Cycle themes), GOOS, GMES (Ocean, Land, Atmospheric Chemistry themes), GCOS
- Nine AEG meetings held to discuss and establish user requirements and priorities within each group
- Two AEG workshops held to consolidate and harmonise requirements across AEGs
- Five position papers generated

being presented and discussed in this workshop



Objectives of the 1st Post-EPS User Consultation Workshop

- Present, discuss, and endorse the AEGs Position Papers *(if/where necessary, identify need for updates)*
- Exchange information on relevant future programmes of other organisations (WMO, EC, ESA, NOAA, GEMS)
- Start work on Post-EPS Mission Requirements as inputs for ESA industrial studies on sensor and system concepts.



Concluding words *(to begin the work with)*

EUMETSAT wants to remain user-driven

Links to users and application experts are a main asset

After this workshop, will have (or will be nearer to)
a complete, up-to-date, well documented set of user requirements,
as a basis for:

- Post-EPS Mission Requirements
- Participation in GMES
- Discussions with NOAA on future systems

Post-EPS information, including the proceedings of this workshop, will be available on <http://www.eumetsat.int> (under What We Do > Satellites > Future Satellites)

Special thanks to the AEGs members for the work done so far.