



CGMS-35, ESA-WP-08
Prepared by ESA
Agenda Item: II.4
Discussed in WG2

STATUS OF THE EGPM AT ESA

In response to CGMS Recommendation 34.11

ESA informs CGMS on the status of the European Global Precipitation Mission EGPM.

STATUS OF THE EGPM AT ESA

1 INTRODUCTION

Following the selection of Swarm and EarthCARE in April 2004, the European Global Precipitation Mission was excluded from the list of ESA Explorer missions, deferring it to Earth Watch.

2 STATUS

- ESA is participating to the Precipitation Constellation within the CEOS framework.
- ESA is in an observer for the GPM since the de-selection of EGPM.
- ESA participation to the GPM related workshops is being and will be ensured, subject to the availability of staff. Last attended GPM Planning Workshop was in 2005.
- Precipitation-related activities are on-going under the following studies:
 - Technology development for the GEO MW sounder (precipitation observation in mm/submm-wave region);
 - Study of a GOMAS/CIWSIR airborne demonstrator. This will be available for campaign activities;
 - Post-EPS phase 0;
 - Study on observation of extreme weather events, (completed);
 - Various technology developments for MW radiometers.

Furthermore, ESA is looking into the possibility of using EarthCARE for precipitation measurements, in particular light and solid precipitation. This is not among the original mission objectives and will be pursued on a best effort basis.