


# 2020-01-29/30 Meeting#06

@ ESTEC

## Attendees

- [Sebastien Besse](#)
- [Guido De Marchi](#) (partially)
- [Ernst Hauber](#)
- [Sonia Fornasier](#) (remotely/partially)
- [Paolo Tortora](#)
- [Jan Soucek](#) (partially)
- [Elliot Sefton-Nash](#)
- [Francesca Altieri](#)
- [Antonio Garcia Munoz](#) (excused)
- [Tanya Lim](#) (remotely)
- [Mark Bentley](#) (remotely/partially)
- [Emmanuel Grotheer](#) (remotely/partially)
- [David Heather](#) (partially)

## Discussion items

Item	Time	Notes
<b>Wednesday, 29/01/2020, ESTEC, Room Df121</b>		
<i>Lunch on site (optional)</i>		
<b>#0 Welcome and Logistics</b>	14:00	SB, ES
<p><a href="#">Sebastien Besse</a> presented briefly the latest status of the PSA.</p> <p>The PSA-UG was pleased with the progress on computing geometry, and providing access in the user interface service. The utilisation of the GEOGEN output in the GIS is promising.</p> <p>The PSA GSF is again endorsed, the UG encourage the PSA to continue this way.</p> <p>It is specifically mentioned that resources will have to be dedicated to this new important service.</p> <div style="border: 1px solid gray; padding: 10px; margin: 10px 0;"><div style="text-align: center;"> PSA-Project_Scientist-2020.pdf</div></div>		
<b>#1 ExoMars Archiving</b>	14:45	EH, TL

<p>CaSSIS</p> <p>First months of data delivered. Data are ingested in the PSA and can be scientifically peer-reviewed.</p> <p>The current schedule is to receive RIDS by 28th of February, followed by a telecom in early March (if needed) between the reviewers and the instrument team. Depending on the level of complexity of the RIDS, the team will evaluate the time needed to respond to the RIDS. It is expected that the data could be public beginning of April.</p> <p>Nomad, Frend, ACS.</p> <p>NOMAD data are technically OK. The first six months of data from all three instruments should be ready soon.</p> <p>FREND: Delivery of first science phase done. Neutron data are delayed, as the ExoMars Surface Platform has priority)</p> <p>ACS is lagging behind schedule. For NOMAD and ACS, the UG recommend to separate by wavelength channels the reviewers.</p> <p>TGO SPICE kernels will not be reviewed by ESA, as they are already doublechecked by NASA/NAIF.</p>		
<p><b>#2 ExoMars Archiving</b></p>	15:15	EH, TL
<p>(a) Rover; (c) Surface Platform; (c) HK data</p>		
<p><i>Break (30 min)</i></p>	15:45	
<p><b>#3 Rosetta after post-ops</b></p>	16:15	SB, SF
<p>Rosetta closes post-operational activities in Dec 2020. After that, the contacts are only Matthew Taylor and PSA. Proposal is to list known issues or improvement so that they can be done in the future if resource is available. An open issue is to find out what is missing in the archive (e.g., the VIRTIS data of the Mars flyby).</p> <p>It is difficult to start this task given the humongous size of the Rosetta archive.</p> <p><input type="checkbox"/> On <a href="#">Sebastien Besseto</a> figure out with the Rosetta project if a clear summary of things ingested in the PSA can be provided, together with a list of known issues.</p> <p>Comment from <a href="#">Sonia Fornasier</a> Is needed a simple guide on how to open the data, one per instrument will be great. An internship was proposed for this in 2019, no suitable candidates were found.</p> <p>Comment from <a href="#">Paolo Tortora</a>: Papers using ESA data should make sure these data are archived (NASA does not accept proposals based on non-archived data).</p>		
<p><b>#4 Archival Research Visitor Programme</b></p>	16:45	GM

[Guido De Marchi](#) presented this new program which is planned to start very soon.


The main objective is to have researchers coming to ESA centres (ESTEC/ESAC), and interact with local experts on exploiting data from the ESDC Archive. This program will be open to applicants of all career stages, but early career scientists will be particularly welcome. Visits are foreseen to be one to three months, with all costs accommodated by ESA. The allocated budget is expected to allow about ten visits per year.

The first call for proposal is expected for February.

<https://www.cosmos.esa.int/web/esdc/visitor-programme>



<b>Adjourn</b>	17:45	
<i>Dinner (Noordwijk)</i>	19:30	
<b>Thursday, 30/01/2020, ESTEC, Room Db134</b>		
<b>#7 ExoMars Rover Science Ops WG</b>	9:30	ESN (+EH)
<p>MMGIS joint mapping is a multi-user mapping GIS project to map a sub-region of Oxia Planum (i.e. the area of the ExoMars 1-sigma landing ellipses) to anticipate the operations of the rover. The MMGIS WebGIS, developed by a JPL team and recently open-sourced, is now adapted to ExoMars needs. Registered users for the Oxia Planum mapping project may access the Cosmos domain MMGIS instance here:</p> <p><a href="https://mmgis.cosmos.esa.int">https://mmgis.cosmos.esa.int</a></p> <p>HiRISE data are used, divided in a total of ~120 1x1 km quadrangles, each mapped by an individual or researcher. After this stage, a small team will "reconcile" the mapping results between adjacent quadrangles, compiling a final harmonized map.</p> <p>Those products would be of interest for PSA's Guest Storage Facility. A proposal under discussion within the mapping leadership team is to deliver the final products (base maps as raster data, mapping results as shapefiles) to the GSF.</p> <p>It is proposed by the UG to also deliver the individual quadrangles before they are merged with all the others into the "reconciled" map mosaic.</p>		
<b>#6 Higher Level Data Archiving</b>	9:00	EH, SB

<p>Sebastien Besse presented the systematic answer that ESDC will provide from now on to H2020 proposal</p> <p>*****</p> <p>Unfortunately, due to ESA internal rules governing its relationship with the EU, we cannot formally take part in proposals in response to EU calls, nor can we write supporting or recommendation letters.</p> <p>However, we do offer to the community the opportunity to host their higher-level science products in the ESA archives, in order to ensure long-term preservation and accessibility of data and products that can enrich ESA Space Science missions. This is generally done after an assessment phase needed to make sure that these higher-level science products are scientifically relevant and technically compatible with our science archives. But this is something that will come later, so for now we encourage you to say something like "we have already contacted ESA and we would consider their ESAC Science Data Centre (ESDC) as the ideal place for long-term preservation of our higher-level products derived from ESA mission data and to reach a wide community."</p> <p>Once your proposal is accepted by the EU, if you want, we could eventually participate as external partners, clearly without receiving any funds. At that stage we could see together how to ensure closer links between your project and ESA, and how the ESDC infrastructure could be used to archive, preserve, and give access to datasets generated by your project.</p> <p>*****</p> <p><b>PlanMap</b></p> <p>The UG strongly recommends the PLANMAP project to contact the PSA already at an early stage to prepare data for archiving and to establish the storage of the products in the GSF.</p> <p><b>Mars Express Legacy Archive</b></p> <p>Three initial sample data sets (2 from SPICAM, 1 from PFS) are available. About a dozen more data sets are expected in the timeframe of summer 2020 to end 2020.</p>		
<p><b>#6a MaRS high-level data set</b></p>	10:15	PT, EG
<p>The UG provided a review of the sample of level4 products provided.</p> <p>The content and structure is generally well done with few improvements that would be appreciated.</p> <div data-bbox="142 1060 643 1558" style="border: 1px solid #ccc; padding: 10px; text-align: center;">  <p>TORTORA MEX Ra...o Science.pptx</p> </div>		
<p><i>Break (30 min)</i></p>	10:30	
<p><i>incl. side discussions</i></p>		
<p><b>#6b Mars Express Legacy Archive</b></p>	11:00	EG
<p>Some delays are experienced, mostly due to a conflict of priority within the MEX project. 3 samples are in the hands of the PSA, they will be analysed in the coming weeks.</p> <p>It is expected that datasets will be fully archived in the PSA by the time of the next MEX SWT</p>		all
<p><b>Lunch on site</b></p>	12:00-14:00	

<b>#5 PSA @universities</b>	14:00	all
<p>The proposal is to bring the archives in the university.</p> <p>The proposal from <a href="#">Francesca Altieri</a> is to go to the university to hold a seminar and a hands-on session. This could be spread over a couple of days, and locating the PSA-UG meeting at the same time would reduce travel time and costs, and would enable contributing of PSA UG members to the seminar.</p> <p>The ESA Archival Research Programme could also be advertised during these events.</p> <p>It was agreed to hold the first of these seminars in Rome, and evaluate if we can rotate in Europe afterwards.</p> <p><input type="checkbox"/> <a href="#">Francesca Altieri</a> to interact with the universities in Rome to find a suitable date.</p>		
<b>#9 Conferences , workshops, meetings in 2020</b>	15:00	all
<p>PSA attendance at EGU, PSIDA, AOGS, EPSC will be important this year.</p> <p>The UG proposes to advertise for the Archival Research Visitor Program either in posters or talks.</p> <p>EPSC is identified as the core target for audience.</p> <p>Francesca is going to COSPAR, a poster could be submitted by the PSA.</p> <p>There could be a possible PDS4 training in Rome to support in particular BepiColomo.</p>		
<b>#10 Future of the UG</b>	16:00	all
<p>This topic will be discussed properly at the next UG meeting given the updates on ExoMars 2020 that are expected in March this year.</p> <p>The current UG would like to ensure that we have enough time to handover to the next UG.</p> <p><input type="checkbox"/> <a href="#">Sebastien Besse</a> to investigate with <a href="#">Luigi Colangeli</a> if ESA Research Fellows could be part of the UG.</p>		
<b>#10 AOB</b>	16:30	all
Date is not fixed, this will be discussed when the potential visit to the university in Rome will be clarified.		
<b>Adjourn</b>	17:00	