

2019-07-03/04 Meeting#05


03 Jul 2019 04 Jul 2019

@ ESAC, Spain

Attendees

- [Sebastien Besse](#)
- [Guido De Marchi](#)
- [Ernst Hauber](#)
- [Sonia Fornasier](#)
- [Paolo Tortora](#)
- [Jan Soucek](#)
- [Francesca Altieri](#)
- [Antonio Garcia Munoz](#)
- [Tanya Lim](#) (partially)
- [Emmanuel Grotheer](#) (partially)
- [Daniela Coia](#) (partially)
- [David Heather](#) (partially)

Discussion items

Item	Time	Notes
Wednesday		
Welcome and Logistics	9:30	Sebastien
#1 PSA News, Updates and Statistics	9:50	Sebastien
<p>Sebastien Besse presented the latest update on the PSA, the update at ESA that may impact the PSA. A demo of the latest functionality was presented to the group. In particular a demo of the latest GIS interface (for MarsExpress and Rosetta). The progress was positively received by the group.</p> <p>ESAC organising the next PSIDA conference in June 2020 was also positively received in that it supports the technical aspect of the scientific research.</p> <div data-bbox="142 1199 643 1698" style="border: 1px solid #ccc; padding: 10px; text-align: center;"> ESA-PSA-UG-2019.ppt</div> <ul style="list-style-type: none"><input type="checkbox"/> Sebastien Besse to clarify that IKI will also mirror the Rover archive<input type="checkbox"/> Sebastien Besse to send document on the UX audit to the UG		
#2 Mars Legacy Archive status	10:40	Anni

Unknown User (amaattan) presented the latest updates on the MEX IDS project.

The project is progressing correctly. Approval from all PIs has been given, the IDS are awaiting document and feedback from the PSA on the data so that the formatting of the PDS3 dataset could be finished and delivered to the archive.

The first dataset to be sent to PSA is expected by October 2019.

Discussion was focused on the "lesson learned" from this exercise to potential similar projects in the near future.

1. Funding to support the activity is often a bottle neck. This could be supported by national funding, but ESA should have their share.
2. Documents to the producers now available by the PSA will certainly help the next projects to move forward rapidly at the beginning.
3. Sebastien Besse mentioned that the DOIs could be a good way to enhance visibility of the product from the data producer and thus increase the interest and support from the science teams.

MEX atmospheric dataset google document

https://docs.google.com/document/d/1TX_B7EZV6_vlXidsDd3mZ4Z_AaejasTw_Jr8T_tqxeQ/edit?usp=sharing



Unknown User (amaattan) will meet with Sebastien Besse and Emmanuel Grotheer on 04 Sep 2019 to discuss the progress and the first delivery (Room A053 booked for all day).

Break

11:00

#3 Archival Research Programme

11:30

Guido



Guido De Marchi to complete the notes

#4 Assessment of ASPERA data

12:40

Jan

Jan Soucek presented the draft report regarding the assessment of the ASPERA datasets in VEX and MEX.

This document will be finalised in the coming weeks, and thus forwarded to all the project scientists, and the MEX/VEX mission manager.



psa-ug_aspera_...tion_memo.docx

[ESDC-PSA-TN-0015 ASPERA recommendations](#)

Lunch on site

#5 Feedback to PSA Survey

14:30

Francesca



Feedback to PSA Survey.pptx

The big message is about the PSA going to the universities.
This could be done in different ways

1. teaching includes the PSA, and if the PSA would provide materials for this purpose it would help a lot
2. ESDC organising an archive school, at ESAC or move to different cities

[Sebastien Besse](#) to announce the ESA lunch awareness to the PEN, and other newsletter.

#6 Guest Storage Facility

15:00

Sebastien, All

Sebastien Besse gave an overview of the GSF, its objectives and the current situation/development



Recommendation from the UG

1. The only criteria shall be the interest of ESA missions (not that of external projects)
2. The GSF shall make sure that it reserves the right to remove a dataset later in time if it is proven to be wrong
3. It should be emphasized that
 - a. It is still encouraged to deliver in PDS format
 - b. If the delivery is not of high quality, it will not be archived
4. The PSA-UG strongly supports the GSF approach, also in that it will greatly increase the visibility of the PSA
5. In section 2.6 of the documentation, the PSA-UG shall be mentioned as a contact point.

#7 Potential use of the PSA Guest Storage Facility (GSF) to host all Earth flyby tracking data (from past missions, NASA and ESA)

15:30

Paolo

Paolo Tortora presented the science case around the Earth flyby "anomaly". The bottom line is that today, it is not possible to recover the range and range rate data to analyse the issue.

Only data from Earth flybys would be useful, maybe Moon flybys.

The volume of data is very limited, not even GB per flyby.

The PSA-UG is supporting the approach; this will be started by recovering the data from Rosetta.



Break

16:10

#8 Archiving of digital geologic maps

16:45

Ernst

<p>Ernst Hauber presented some guidelines about archiving maps into the PSA. The PSA-UG still emphasize that the archiving of maps in PDS4 is highly beneficial to the community.</p> <p>Maps should be archived with no needs of software to read them, in particular private software. Maps shall be archived in a way that units are searchable, and in particular to cross-search between different maps.</p> <p>The PSA-UG recommend to the PSA to provide similar guidelines for data producers</p> <p><input type="checkbox"/> Sebastien Besse to find the best approach to communicate those guidelines from the PSA to the producers.</p>		
<p>#9 ExoMars Status + Archiving of House Keeping</p>	17h00	Tanya, Ernst
<p>Discussions regarding the availability of HouseKeeping in the PSA, which is considered to be important.</p> <p>Two issues were reported</p> <ol style="list-style-type: none"> 1. the fact that not all data are stored 2. the fact that the documentation is incomplete <p>The PSA-UG propose to issue a long-term resolution to the PSA in the archiving of HK in the PSA. This resolution shall be forwarded to the head of the ESAC archive.</p> <p>Another discussion was on ESA's plans to organize frequent public releases (there will be an enormous pressure from the public) of ExoMars data (mostly PanCam) in the context of archiving without violating proprietary periods and other constraints.</p>		
<p>Adjourn</p>		
<p>Dinner - El Tendido @20h</p>		
<p>https://goo.gl/maps/U6itveE6gf1J1E8x9</p>		
<p>Thursday</p>		
<p>#11 Rosetta review</p>	9:30	Sebastien Sonia
<p>Rosetta timeline until closure</p> <ol style="list-style-type: none"> 1. Closing of post-operation is in Dec. 2020 2. Reviews done several times during the post operation phase (2016-2019) by the project 3. Last review will be done in Sept. 2019, focusing on datasets that where previously reported to have issues. <p>PSA Support in Legacy</p> <p>The PSA will provide very minimum support, there is 50% of an archive scientist position for all legacy. PSA has numerous priorities.</p> <p>The PSA needs to have a big picture view on what is coming into legacy, any gaps and issues shall be documented. This investigations could be done in many ways, for instance</p> <ol style="list-style-type: none"> 1. Do we have the expected products in the archive? 2. Is there any additional documentation missing? 3. Telemetry, House Keeping, how/should we improve it? 4. High level products that we should get into the PSA? 5. Shall we ask external users to see if they can access and open the data? <p>It is proposed that Sonia Fornasier is coordinating this effort. Iterations with Sebastien Besse will be done in the next week to define the activities, activities that would be shared with the Rosetta project before being realized.</p> <p>It is expected that the findings will not be implemented by the project given the end of mission.</p>		
<p>#12 ExoMars 2016 reviews</p>	9.55	All
<p>The PSA requested support from the PSA-UG in view of the upcoming reviews of the ExoMars 2016 project.</p> <p>Several potential reviewers were proposed by the PSA-UG for all 4 instruments, CASSIS, NOMAD, ACS, FREND. The science lead (Sebastien Besse) will interact with the project scientist to further invite scientists. It is foreseen to start the review after EPSC 2019, thus October 2019.</p>		
<p>#12 Possible proposal for JUICE-related planning tools</p>	10:00	Ernst

<p>Ernst Hauber presented a proposal on behalf of the proposer, Henrik Hargitai, that is discussed within the JUICE science team concerning a database grouping all the up-to-date "maps" from the science community as potential target for JUICE observations in support of the JUICE planning.</p> <p>What has been concluded is that the PSA cannot support financially this activity as there is no interest today for the PSA. However, the PSA-UG and the PSA team support such an activity that will greatly improve the visibility of the JUICE data in the future. For instance, the maps would be used as background in the future JUICE map view in the PSA.</p>		
<p>#13 Continuation of the PSA User-Group</p>	10:30	Guido Sebastian
<p>The conclusion of the discussion is</p> <ul style="list-style-type: none"> • It is proposed to expand the current mandate by two more years (end of 2021), given that some tasks are to be finished. All members of the group were either supporting or proposing this expansion. • This expansion will have to be accepted by the SSEWG. • Both the PSA User-Group and the ESA-Scientists agreed that a significant turn around of the members will be needed at the end of this proposed-expanded mandate. <p>In view of the topics being currently discussed, the PSA-UG will assess in the coming weeks if an additional members shall be added to the PSA-UG.</p>		
<p>Break</p>	11:00	
<p>#14 CosmoScout</p>	11:30	Ernst Open
<p>Ernst Hauber presented to a wide audience the CosmoScout tools. Feedback will be gathered formally by Sebastien Besse and forwarded to Ernst Hauber.</p>		
<p>#15 AOB</p>		
<p>Next meeting proposed dates are</p> <ul style="list-style-type: none"> • 29 Jan 2020 to <p>Location will be at ESTEC.</p>		
<p style="text-align: center;">Lunch on site</p>		
<p style="text-align: center;">Adjourn</p>		