**Copernicus/Sentinel Data Uptake and Application**

**User Survey – SIT-32 Revisit**

**V1.0, 24th February 2017**

One of the themes of the ESA SIT Chairmanship is to ensure full access to, and exploitation of **Copernicus Sentinel** data. There was a discussion at SIT-31 to share and review user feedback from relevant CEOS and GEO initiatives. This discussion was well received, with plans to increase data distribution capacity were welcomed (e.g. via international mirror sites, Collaborative Ground Segments). Since the SIT-31 discussion, Sentinel-1B and -3A have both launched, Sentinel-2B is planned for launch at the beginning of March, and the ground segment has continued to develop and mature.

A follow-up discussion is planned at SIT-32 with the following objectives:

* ***Revisit and update on progress in Copernicus Sentinel data access since the SIT-31 discussion;***
* To explicitly address SIT Chair objective: Ensure full access to, and exploitation of Copernicus Sentinel data;
* To provide a status update to the community on Copernicus space segment current status and future planning;
* To update the community on the development of Copernicus services and data flows; in particular for the CEOS audience, including user communities both inside and outside Europe;
* To listen to community feedback on their experiences with Copernicus Sentinel data; uptake, suggestions, improvements, and other ideas; and,
* To understand how users are applying Sentinel data to their various application areas and use cases, and determine if there are any lessons to be drawn from those cases to further improve the user experience.

The Session will last approximately 1h15m, and include:

1. An update from the Copernicus space and ground segment providers (ESA/EC/EUMETSAT) on latest status, developments, and future plans.
2. A presentation of feedback from CEOS users both based on this survey, and also directly from users.
3. A follow-up discussion.

This survey has been prepared for the discussion, with inputs being sought from CEOS Initiatives (VCs, WGs, AHTs etc.) focused on the access and uptake of Sentinel data. The messages received will be distilled and shared with the Sentinel mission managers, with the goal of raising awareness of issues, improving user experience, and ensuring maximum uptake of Copernicus data.

The SIT Chair team has defined the questions below in order to structure and streamline feedback, though please feel free to add any general comments. We would be grateful for any and all inputs. Responses should be returned to George Dyke ([george@symbioscomms.com](mailto:george@symbioscomms.com) ) and Stephen Ward ([stephen@symbios.space)](mailto:stephen@symbios.space)) no later than **Friday 17th March.**

**Please respond to the following in-line:**

1. **INTENDED PURPOSE/USE**

* What is the primary use of Copernicus Sentinel data?
* What kind information is needed to cover your needs?
* Which Sentinel / sensor data do you need?

1. **ACQUISITION**

* Do you have any feedback on, or visibility into the acquisition planning/request aspects of the Sentinel missions?
* Have you been able to locate information on mission acquisition planning when required?
* Are current acquisitions sufficient for your purposes?
* Do you have any suggested synergies or optimisations that could improve the utility of data?
* Are there sufficient channels for you to provide input/feedback related to acquisition planning?
* Do you have any suggestions for how acquisition planning might be improved?

**Response:** TBA

1. **DISCOVERY & ACCESS**

* What are the main channels and tools that you use to discover and access data and products? e.g. SciHub, Sentinel Hub, Copernicus Services, others?
* Are these channels sufficient for your purposes?
* Is the products metadata information sufficient?
* Are these channels restricting your ability to apply the data?

**Response:** TBA

1. **APPLICATION**

* Do the standard products provided meet your needs?
* Is a significant amount of processing required before the data can be incorporated into your work flows?
* Are sufficient tools and guidance available for data processing?
* Are there any other aspects of the data characteristics that you would like to comment on?
* Are there particular cloud computing environments that you use to exploit the data, and is there anything that could be done to streamline data application in these environments?

**Response:** TBA

1. Any general feedback not covered by the above questions?

**Response:** TBA

**Sentinel Data Utilisation Matrix**

*Please list your project name(s) in the matrix below, and for each of the current Sentinel missions list the instrument name/mode you are using, and a brief description of how you are using the data. These inputs will be presented as a synthesis across CEOS projects.*

|  |  |  |  |
| --- | --- | --- | --- |
| Activity/Group Name | Sentinel-1A/-1B | Sentinel-2A | Sentinel-3A |
|  |  |  |  |
|  |  |  |  |
|  |  |  | *Add more rows as required…* |