

Breakout session #2

Group 1

2014-11-26

Requirements on data management

- Data store and management: Store image data as is together with metadata. Metadata is very important.
- User requirements on data products varies. The solution is to add product processing using either a systematic or on the-fly approach on top of the data store.
- The user as such is not interested in data management (such as tiling).
- What is the data cube? Is it just a basic time series with aligned pixels.

Requirements on ortho-rectification

- The Sentinel has a narrow look-angle (14 deg) so the DEM has only a limited impact on geometric quality except where the height difference are large and above 60 deg.
- PlanetDEM will probably work in most cases but not areas such as Norway, Sweden and Finland.
- EuroDEM could be a generic European solution.
- The target of geometric accuracy of about 12 m (geolocation) and 0,3 pixels (internal accuracy) (2sigma) makes the product very good for many types of applications.
- What about Landsat 8 - why not reference Landsat 8 using the same approach as Sentinel. This makes data fusion easier.

Requirements on atmospheric correction

- No-one in the group has experience in the field -
silence.

Most burning questions - challenges!

- Sharing of products and product algorithms?
- Coordination between the collaborative ground segments. Overlap and duplication. Who will coordinate the European task?