



Meeting Minutes	
<b>Subject</b>	Coastal Change: Progress Meeting #2
<b>Date</b>	31 <sup>st</sup> July 2019
<b>Minute Taker:</b>	Anne-Laure Beck
<b>Agenda:</b> <ol style="list-style-type: none"> <li>1) Review of previous meeting action points</li> <li>2) Project Plan</li> <li>3) End-User requirements &amp; Requirements Baseline Document</li> <li>4) Update of EO data products</li> <li>5) Future meetings and Any Other Business.</li> </ol>	<b>Attendees:</b> <p>Francois-Regis Martin-Lauzer Mark Pattle (<b>MP</b>) (<b>FRML</b>)</p> <p>Anne-Laure Beck (<b>ALB</b>)                      Xavier Monteys (<b>XM</b>)</p> <p>Craig Jacobs (<b>CJ</b>)                                      Martin Jones (<b>MJ</b>)</p> <p>Camillie Pinet (<b>CP</b>)</p> <p>Raul Medina (<b>RM</b>)</p> <p>Andreas Payo Garcia (<b>APG</b>)</p> <p>Albert Garcia (<b>AG</b>)                                      Excused: Mark Hennen (<b>MH</b>)</p>

## 1. Review of previous meeting action points

- **MH** to forward emailing regarding Flood and Coast Conference to **APG**.

**APG**- In La Rochelle in September? Seen with Mark Hennen the day before

**FRML**- Discussion on that still needed

- **APG** to email all partners to organise a face to face meeting to discuss the streamlining of the RBD.

**Complete**

- **CJ** to contact DigitalGlobe about distribution of data products to consortium partners.

**FRML**- no additional World View (WV) images for free, catalogue price for any additional product (1.6M). Need to address a request to ESA (this year deadline is 20 August so too late) for resources.

**Action (All):** Need to send before **Sept 1<sup>st</sup>** a list of data we need

**XM**- Other very-high-resolution (VHR) images possible (ex: Pleiades)

**FRML-** ESA archives have already been investigated, and nothing is available. If ESA do not approve a request for VHR data products, we can try to have access to products reserved to non-ESA supported scientist projects. Furthermore, all partners address an “independent request” to ESA for products. – negotiation with Olivier

**Others** approved

**FRML-** Also need to check what data partners already possess.

**Action (All partners):** Need to check already available data before **August 31<sup>st</sup>**

- **APG** to send **AG** UK groyne ancillary data

**APG-** Still chasing data, which database to use

**AG-** Focus on the area of interest

- **MH** circulate meeting minutes.

**Complete**

- **MH** circulate doodle poll to organise Progress Meeting #2.

**Complete**

## 2. Project Plan

**FRML-** We have 2 study sites: Barcelona and Start Bay, still need a 3<sup>rd</sup>, where do we have a good catalogue of images.

**XM-** Westford could be an idea but not a lot of different dates

**Action (ARGANS):** Before **Sept 1<sup>st</sup>** we need to have a 3<sup>rd</sup> site (Ireland)

**AG-** Question about time range (10 years – S2 period?)

**FRML-** 20 years? But not all product will be available for this time range, for end of phase 1 we need to provide ≈ 10% (even more) but we can negotiate.



For SAR data we just will use ESA's ones, we need to address a request to get older SAR data (from ESA 2 weeks are needed) so ASAP build the request

**Action (AG):** Request to ESA SAR data from archive.

**AG-** Problems with deliverables dates, flexibility?

**MJ-** Need to see with Mark Hennen when he's back

### 3. End-User requirements & Requirements Baseline Document

**FRML-** Deadline for the Requirements Baseline Document is **Aug 27<sup>th</sup>**. Following this date, any modification/addition to the document will be given in a table with an explanation for the change / addition.

**APG-** Need to agree on terminologies and definitions, glossary

**APG-** Feedback on the End-User requirement document -Level of detailed we need

**Action (ARGANS and IsardSAT):** Review current URDs and provide feedback on level of detail before **Aug 12<sup>th</sup>**

### 4. Update of EO data products

#### **Bathymetry / conceptual shorelines**

**APG-** Requested information on Bathymorphology / satellite derived bathymetry (SDB)? Does Start Bay present a possible location?

**FRML-** Need info from geographic institutes/partners for shore elevation models and bathymetry charts.

**MJ-** Don't know if we have beach profile information for the UK.

**FRML-** Asked partners if they have any information from Lidar surveys over sites -> see with **XM**





**RM-** Barcelona produce 2 surveys per year from LIDAR data.

**Action (ARGANS):** Will begin preliminary work on SDB analysis during the next reporting period.

**FRML-** Discussion needed between IsardSAT and ARGANS about IsardSAT waterline with the aim to decide a validation testing plan to determine the error bars of the automated Error Bars.

**Action (ARGANS and IsardSAT):** Hold Technical meeting to discuss validation plan.

## 5. Future meetings and AOB

**AGP-** Other members of the end-user community have shown interest in the project. Could we integrate them, and include a new set of requirements (before Aug 27 not possible so for mid-Oct)? Possibly request permission from ESA to include them.

Interaction could extend to e-mail and phone surveys, workshop, open UK coastal workshop to UE.

**Action (MH):** Enquiry on the possibility to include greater end-user community feedback on EO Coastal Change Products.

**AGP:** Suggested Flood and Coast meeting In September in September, will send details to **MJ**

**MJ-** Flood Resilience workshop in November

**AGP** Coastal processes meeting in Delhi, March 2020.



## End of meeting.

### Summary of Actions:

- **All:** Send list of required EO data products VNIR/SAR for the 20-year archive to ESA before the September 1<sup>st</sup>.
- **MH and Partners:** Check which VHR data the consortium already possess for the case study locations.
- **AG / IsardSAT:** Request SAR archive data from ESA.
- **ARGANS and IsardSAT:** Produce some results for Ireland – Wexford Bay.
- **ARGANS and IsardSAT:** Provide feedback on User Requirement Documents Submitted by the end-user group.
- **ALL:** (end users & service providers) to deliver the Requirement Baseline Document by 27th August 2019. New delivery date has now been agreed with ESA for the Requirement Baseline Document. Building on the feedback provided by Service Providers we will all complete the URD v2 (APG will include a table on the URD indicating the version and modifications done relative to URD v1). Details on how to best complete this will be circulated on the 14th of August.
- **ARGANS and IsardSAT:** Hold Technical meeting to discuss validation plan.
- **ARGANS:** Begin preliminary work on SDB analysis during the next reporting period.
- **MH:** Enquiry on the possibility to include greater end-user community feedback on EO Coastal Change Products.
- **MH:** Produce Minutes of Meeting
- **MH:** Organise date for Progress Meeting#3.
- **BGS (APG):** Send to IsardSAT (AGM) the shape files with the locations of coastal defences for UK study cases for Phase 2 of project. This was an action pending from last meeting, and after a discussion during the PM#2 it was clear that for Phase 1 of the project, the UK locations that IsardSAT is analysing (Slapton-Start Bay and Perranporth) has no defences and therefore this shape file is not needed until Phase 2, when other locations (i.e. IsardSAT shown images of Bornemouth beach) that do have defences will be analysed.
- **BGS (APG):** Confirm that the recently acquired data by UKGEOS can be used for our project.