



Coastal Erosion
Minutes of Meeting MTR

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Date: 27-01-2020

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Project Coastal Erosion

Purpose	Meeting MTR
Meeting Date	24-01-2020
Location	Sophia-Antipolis ARGANS Ltd French Office

Attendees	Company / Institute	Attendees	Company / Institute
Olivier Arino	ESRIN		
Fabrizio Ramoino	ESRIN		
François-Regis Martin-Lauzer	ARGANS		
Craig Jacobs	ARGANS		
Martin Jones	ARGANS		
Albert Garcia-Mondejar	IsardSat		
Xavier Monteys	Geological Survey Ireland		
Andres Payo	British Geological Survey		
Roberto Diaz	The Spanish Ministry of Environment (MITECO)		
Christian Marchese	Arctus		
Jara Martinez Sanchez	IH Cantabria		
Anne-Laure Beck	ARGANS		
Noelia Abascal - Zorrilla	ARGANS		
Antoine Mangin	ARGANS		

Conclusion

General observations:

All DOSTAG members were invited, however none could make the MTR. The Coastal Change Consortium have been requested by all four space agencies to back brief them on our progress to date and this will be arranged within the early weeks of phase 2.

The MTR was considered a “pass” and approval to proceed to Phase 2 and invoice for Phase 1 once the three RIDs (ID 1 of the AIL) have been delivered – due 31 Jan 20.

Conferences where the project is proposed to be presented:

- 36th International Geological Congress Delhi 2-8 March 2020
- XVI Jornadas Espanolas de Ingenieria de Costas Y Puertos Vigo May 2020
- GEO Business London 20-21 May 2020
- 8th International Symposium “Monitoring of Mediterranean Coastal Areas” Livorno 16-18 June 2020
- ICE International Coastal Management Conference Oct 2020
- Geoscience 2019 – Geoscience for Climate Action GSI Conference Nov 2020
- Final presentation: 18th – 22th January 2021 at ESRIN with both consortia.

From the workshop 23 Jan 20:

- End of workshop discussion saw the Coastal Change Consortium (our group) propose a two-day event with day 1 for training/education on both consortium approaches and day 2 as presentations to the more VIP audience.
- The TO suggested a Conference Committee would be formed soon, comprising ESA and both the consortia

General comments of the users’ requirements: interest on products, especially interest in 3D products e.g. profiles, bathymetry, submerged features. Focus on the coastal zone – open coast and estuaries. Waterline and shoreline indicators. Deriving coastal state indicators and habitats maps. Products accuracy and resolution. Importance of temporal and spatial scales.

Here is the share link for the various presentation from the Workshop and the MTR:

https://acricwe-my.sharepoint.com/personal/albeck_argans_eu/Documents/CoastalErosion/MTR

Once accessed a permission will need to be requested.



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	Name	Company / Institute	Signature
Written by	Martin Jones	ARGANS	
Approved by		ESRIN	
Distribution (Attendees +)			
For further action :			
For information :			



1 Agenda

24 Jan Friday MTR

0900-1200 Phase 1

0900-0915 Introduction (Martin Jones)

0915-1010 User Requirements ...

0915-0920 Overview – approach and typology (Andres Payo)
0920-0930 UK viewpoint (Andres Payo)
0930-0940 Spanish viewpoint (Jara Martinez Sanchez)
0940-0950 Irish viewpoint (Xavier Monteys)
0950-1000 Canadian viewpoint (Christian Marchese)
1000-1005 Conclusion (Andres Payo)

1005 -1105 Theoretical Approach (ARGANS team)

1105-1125 Production

1105-1107 Intro (Martin Jones)
1107-1112 Geolocation and VNIR WL (Martin Jones)
1112-1117 SAR WL (Albert Garcia-Mondejar)
1117- 1123 Datum Based Shoreline,
Derived Features and SDB (Martin Jones)
1123-1125 Erosion Rate (FRML)

1125-1150 Verification, Validation, Evaluation (Andres Payo/FRML)

1150-1200 Summary of Phase 1(Martin Jones)

1200-1230 Break

1300-1400 Phase 2

1300-1320 Implementation (Martin Jones, Albert Garcia-Mondejar)

1320-1340 Analysis, Assessment and Validation (Andres Payo)

1340-1400 Next steps Outreach (Craig Jacobs & Partners)

1400-1500 Discussion/Decision (lead by Olivier Arino, replies led by Martin Jones)



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2 Minutes of Meeting

Action

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3 List of actions

All actions agreed during the meeting shall be inserted in the Action Item List by the Project Coastal erosion project manager.


Id	Description	Responsible	Deadline
1	Three points were raised within the RIDs: <ul style="list-style-type: none"> • The PVP shall include a qualitative and quantitative analysis (error, bias, uncertainties, ...) for each product related to each POC • Define and prototype the web interface in order to distribute the products and to visualise them according to users' need • Table of content in the PVP documents are missing 	ARGANS	31 Jan 2020
2	Connection with the European Environmental Agency. The importance of connecting to the European Environmental Agency was advised. Each nation of the consortium has individual links ie MITECO (Spain), Office of Public Works (Ireland), Environment Agency (UK) and UQAR linkage for Quebec, however the User Group will need to instigate a connection with the EEA.	ARGANS- User Group	Links established by mid Feb 2020
3	Creation of a “family tree” showing those internal links to the institutions and national/regional/local government agencies for each nation is required. The Communications link between our user Group and its network.	User Group	Mid Feb 2020
4	It was stressed by TO and demonstrated by the User Group that the extended stakeholder community was vital to delivering a valuable and useable service. This engagement	ARGANS- User Group	Ongoing throughout phase 2




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	has been a continuous function of phase 1 and will continue throughout phase 2.		
5	The consortium will provide a slide (with figures where published) for the economic value of each phase 1 site for their marketing use. (See the slide No5 at Quebec_MTR_presentation.pdf which will be provided separately).	User Group	Mid Feb 2020
6	Discussion centred around the wider user community being engaged in the selection of the “indices” for waterline extraction. The User Group captured the requirement and the Service Provider Group provide the technical expertise to deliver assured lines.	All	
7	End user intervention – it was stated that the wider user community must be engaged to capture their end-product and service data presentational needs (ie format, web service method WMS, WPS, etc)	Service Group	This will occur throughout phase 2 alongside the product and web service development.
8	<p>A short brief on how Nautical Charting is managed in the international system was requested. The attached link describes the WEND Principle. https://iho.int/en/basic-wg-documents-1</p> <p>In simple terms each nation has a legal mandate to chart its own waters (out to the EEZ). The IHO as an intergovernmental agency advises the UN body on all matters hydrographic. The IMO is the UN body that administers the UN Conference on the Law of the Sea (UNCLOS) and the Safety of Life at Sea (SOLAS). This latter covers “carriage” regulations, ie what hydrographic products must be carried and who is legally authorised to produce them – in short, this can only be a National</p>	ARGANS	Attached link covers this action.

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	Government Hydrographic Office, and cannot be delegated to commercial business due to safety accountability.		
9	Discussion centred around assessing the added value of Commercial VHR data with a daily revisit rate (e.g. Planet) and not just for co-registration but as a source in its own right.	ARGANS	Throughout Phase 2
10	Discussion on Validation centred around both a traditional comparison approach and the need to “evaluate” the value of the products. (See the RID above)	All	
11	It was emphasised that Canada and not just Quebec was the focus.	All	During phase 2 the Canadian scope will be reviewed
12	The 1000km of “mapped” coastline will delivered via target discrete areas as defined by the User Group.	User Group	The initial areas have been identified but these will be refined during phase 2.
13	ESA re-emphasized that as much of the work (results and documentation) as practicable should be “open” and available via the website to all.	All	This philosophy will be considered throughout phase 2.
14	There was a request to forward ARGANS Ltd work on Togo/Benin	ARGANS	End January 2020
15	The Australian paper on beach rotation and the relationship to El Nino will be forwarded. Ref . https://doi.org/10.1016/S0025-3227(04)00002-7	ARGANS	Link attached
16	Definitions of the terminology used (e.g. pocket beach) and harmonization of the terminology used needs consideration before the Final Review	All	January 2021
17	User Workshop (at user’s premises – defined within SoW)	All	Date and Venue to be published idc

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