



## Darwin Plus (DPLUS 065) Mapping the Falklands & South Georgia coastal margins for spatial planning (Coastal Mapping)

Project Management Group: Final Reporting Meeting

Wednesday 29<sup>th</sup> May 2019: 11:00 – 12:30hrs (GMT -3 hrs)

### Agenda

#### Attendees (TBC):

Tara Pelembe **TP** (Chair) (SAERI)

Paul Brewin **PB** (SMSG)

Neil Golding **NG** (Secretariat) (SAERI)

Denise Blake **DB** (FIG)

Michael Harte **MH** (OSU)

Gwawr Jones **GJ** (JNCC)

Sue Gregory **SG** (GSGSSI)

Helen Havercroft **HH** (GSGSSI)

#### Apologies

Ross James (**RJ**) (GSGSSI)

Paul Brickle (**PBri**) (SAERI)

1. Approve agenda & AOB

*Agenda approved by all. **SG** added an AoB item on the Iridium promotional video created by Springcreek Conservation.*

2. Training Workshop agenda (July 8<sup>th</sup> – 10<sup>th</sup>)

***NG** provided an overview and introduction to the training workshop. The discussion was then opened to the floor. On the first day of the training workshop (as part of the wider Coastal Habitat Mapping project introductions), FIG (**DB**) and GSGSSI (**RJ**) agreed to provide a short introduction from each of the key Territory Government partners (10 min each), highlighting how the project was important for their Territories, what the benefits had been, and looking forward to how the project outputs may be used in the future.*

**Action 20190529\_01 – DB & RJ to present territory specific introductions at the start of the Coastal Habitat Mapping training workshop on 8<sup>th</sup> July 2019.**

***ALL** agreed that **GJ**, **Bran Black B** and **NG** would develop a short training workshop summary brief (approx. 1 page). This would include the draft agenda, but also provide some background as to the structure, with the first day focussed on “big picture” Earth Observation questions, and a tour of the technology, with the subsequent two days looking*

*at practical applications and the methods developed to do this by the Coastal Mapping project. This is to be circulated to potential workshop participants who have expressed an initial interest.*

**Action 20190529\_02 – GJ, Bran Black and NG to draft short one page summary brief for training workshop, and include more detailed agenda, by 7<sup>th</sup> June 2019**

*GJ confirmed that there were ‘wet weather’ options for the planned outdoors practical sessions in case of bad weather.*

*HH/SG agreed to follow up on behalf of GSGSSI with the British Antarctic Survey; it was thought that having some attendance from BAS in light of future research/science questions, which may be posed for South Georgia, could be of value.*

**Action 20190529\_03 – GJ/Bran Black/NG to discuss production of videos – videos to be completed ahead of the training workshop. Meeting to be arranged by 7<sup>th</sup> June 2019**

**Action 20190529\_04 – HH/SG to follow up with BAS regarding training workshop attendance, by 7<sup>th</sup> June 2019.**

*Finally, it was discussed that it may be unrealistic for all interested parties to attend all three days of the workshop. Therefore, the Monday morning session will provide a summary overview of the EO systems and technologies, and there has been some interest from participants in just attending this first session.*

3. Discuss Environment Systems work allocation (small project budget allocated)  
*There was a discussion around the small allocation of funding within the project budget for consultancy (Environment Systems). NG had requested views from the PMG on what potential pieces of work could be undertaken. MH queried whether this contribution from Environment Systems was agreed at the project conception, or whether this funding could be made available to deliver other project objectives. TP confirmed that this contribution was agreed at the project conception with Environment Systems. TP took an action away to discuss with PBri regarding this budget line before responding to the PMG.*

**Action 20190529\_05 – TP to discuss ‘Consultant’ budget allocation within project with PBri, by 7<sup>th</sup> June 2019.**

*Ideas for this small budget included a proposed QA of the fine-scale modelling workflow to be undertaken, or some other analysis that would contribute to the production of a peer reviewed publication. A final decision will be determined by the PMG following feedback from TP on Action 20190529\_05.*

4. Final Reporting discussion  
*NG provided a brief introduction to the ‘final report’ which will be produced by the project, and will require input from all members of the Project Management, to a greater or lesser extent. This input may range from contributions of particular sections down to proof reading draft documents.*

The 'final report' will take the form of a 'long-term coastal habitat mapping/monitoring manual for the Falklands and South Georgia' (as stated in the project Gantt Chart). This manual will outline the steps to establish a long-term, cost-effective, coastal margin monitoring programme including fieldwork protocols and a summary of the methods used to model the coastal margin habitats in FI and SG. This monitoring manual will be included as an Annex to the final Darwin report.

**TP** asked what reports are specified for delivery under the Darwin project logframe. **NG** stated that there is only this monitoring manual (and the Darwin final report by default). While a final project workshop (pencilled in for Nov 2019) is included in the logframe, there is not an associated report required. However, it is anticipated that a very short summary of the workshop will be produced in the last few weeks of the project in November 2019, to include some information on how the project outputs can be integrated with other initiatives in FI and SG, as well as other strategic viewpoints and considerations (for example – follow on projects and funding options).

**ALL** contributed to a discussion on what the structure/table of contents of this monitoring manual may look like. It could include aspects such as:

- a. Fieldwork protocols and processing workflows for the variety of coastal mapping/modelling operations such as satellite and drone imagery, sidescan sonar, drop camera work etc around the Falklands and South Georgia. **Important not to reinvent the wheel here, as there are many existing operational protocols/guidance out there. Potentially this could signpost the good ones but also focus more on the challenges with working in Falklands and South Georgia, and stumbling blocks to avoid.**
- b. What scale to work to....?
- c. When to repeat – ideas on frequency. Perhaps in relation to levels of risk (i.e. a frequently visited tourist site in SG could be at greater potential risk than a site such as Bird Island which receives relatively few visitors).
- d. Consider laying the document out like a "layperson's guide" – how would people new to post in three years' time repeat this type of habitat monitoring.
- e. Consider connectivity – for example the challenges of dealing with large datasets, use of cloud computing, but also specific examples of connectivity in the field – what you can / can't do with none/some/a lot of internet (and a big Iridium contract!) out in the field?
- f. Equipment – consider what equipment has been used – what could be used in the future – what analysis should be undertaken etc.

**ALL** considered how they could contribute to the monitoring manual. The following took away actions to contribute in the following way:

**Action 20190529\_06 - GJ** to contribute text on general EO (especially Sentinel and to a lesser extent WorldView) plus QA of overall report

**Action 20190529\_07 - PB** to contribute text on subtidal methods as well as wider QA of overall report.

**Action 20190529\_08 - NG** leading on pulling entire report together, but also focussing specifically on drone mapping workflows/ challenges/opportunities.

**Action 20190529\_09 - Bran Black** to contribute text (primarily already drafted) on broad-scale and fine-scale modelling workflows.

**Action 20190529\_10 - DB/HH/SG/RJ** to contribute scene setting/introductory paragraphs for the introduction of their respective Territories which outline some of the challenges they face with modelling/mapping and monitoring their coastal margins, how the DPLUS065 project has helped tackle these challenges, and where emphasis should be placed in future (for example **DB** – minefield mapping/baselines and detecting future change/restoration – for example **HH/SG/RJ** – rodent and reindeer eradication / invasive species / increasing visitor numbers so greater pressure / climate change etc)

**Action 20190529\_11 – MH & GJ (and others if they wish?)** to contribute text on bigger picture / future opportunities section of the final report. What can come next after this project draws to a close , as well as general document QA. **MH** to also draw input from Jamon, Robert and Chris on specific sections such as future work with LandTrender?, considering detection of natural change vs anthropogenic change and change detection more generally, levels of ground truthing etc.

5. Final workshop (planned for November 2019 – discussion about scope – ALL)  
**NG** highlighted that the general consensus at the last PMG (April 2019) was to hold a final “end of project” workshop in November 2019, with **GJ** proposing that it be hosted by project partner, JNCC, in the UK. This would have the benefit of exposing the project to a wider audience, where travel may be more accessible. A one to two day event was discussed.

**SG/HH** highlighted that CCAMLR may affect attendance in October/start Nov '19 whilst **GJ** was unavailable the week commencing 18<sup>th</sup> Nov '19. Therefore, Tues 12<sup>th</sup> Nov and Wed 13<sup>th</sup> Nov are proposed as possible dates. **GJ** to assess room availability for these dates with JNCC facilities.

**Action 20190529\_12 – GJ to confirm availability of venue for 12<sup>th</sup> Nov & 13<sup>th</sup> Nov 201**

**ALL** discussed presentations by project partners such as F.I.G/GSGSSI/OSU, as well as attendance at the final project workshop in person (or by Skype if travel is not an option). **SG** stated that the St Helena NatCap conference showed that skype presentations were possible even in very poorly connected territories (St Helena has a much slower internet connection than the Falklands).

It had been discussed previously that the final workshop may feature some training. However, further discussion concluded that final workshop would not feature training directly, but training may be a spin off venture that happens as a consequence of interest from attendees. Noting that a second training workshop is not listed within the current project delivery plan.

6. AOB

***SG** highlighted that the Iridium case-study video produced by Springcreek conservation was excellent, but that the addition of other partner logos would be beneficial; a view echoed by other partners. **NG** will investigate this with Giff at Springcreek conservation.*

***Action 20190529\_13 – NG to follow up with Giff about logos on videos***

### **Summary of actions.**

**Action 20190529\_01 – DB & RJ to present territory specific introductions at the start of the Coastal Habitat Mapping training workshop on 8<sup>th</sup> July 2019.**

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### **Actions centred around Monitoring Report drafting**

**Action 20190529\_06 - GJ to contribute text on general EO (especially Sentinel and to a lesser extent WorldView) plus QA of overall report**

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