

DPLUS065 Logical Framework: Revised October 2018

Project summary	Measurable Indicators	Means of verification	Important Assumptions
<p>Impact:</p> <p>Environmental evidence-base for decision-making on the FI and SG is significantly enhanced by the provision of baseline data in a thematic area that is a current gap i.e. coastal margin.</p>			
<p>Outcome:</p> <p>The mapping generated from this cost-effective and innovative remote-sensing will underpin and enhance spatial and conservation planning in the remote FI and SG and allow for efficient, effective monitoring.</p>	<p>0.1 The coastal habitats of the Falkland Islands are broadly classified and visualized via digital outputs (e.g. maps, GIS layers) at a spatial and temporal scale sufficient for spatial planning and decision making, by the end of March 2020.</p> <p>0.2 The coastal habitats of South Georgia are broadly classified and visualized via digital outputs (e.g. maps, GIS layers) at a spatial and temporal scale sufficient for spatial planning and decision making, by the end of March 2020.</p>	<p>0.1 FI MSP Web GIS portal</p> <p>0.2 SG webGIS portal</p> <p>0.3 SAERI project webpages.</p>	<p>SAERI's IMS-GIS Centre continues to retain relevant skilled staff</p>
<p>Outputs:</p> <p>1. Project Management structure, and communications tools established</p>	<p>1.1 Project Manager recruited by end Quarter 3 FY 17/18.</p> <p>1.2 An MoU agreed and signed by all partners by end Quarter 4 FY 17/18.</p> <p>1.3 A Project Management Group (PMG) meeting held every 3 months starting October 2017.</p> <p>1.4 A Project Stakeholders group (PSG) meeting held every 6 months starting Quarter 4 FY 17/18.</p> <p>1.5 At least 1 project webpage created by end Quarter 4 FY 17/18,</p>	<p>1.1 Project Manager employment contract signed</p> <p>1.2 MOU signed by all parties</p> <p>1.3 PMG meeting notes available online</p> <p>1.4 PSG meeting notes available online.</p>	<p>PM with the relevant skills can be recruited.</p>

	<p>and at least 1 update to the page made every month.</p> <p>1.6 Final project report produced by March 2020.</p>	1.5 Project webpage available for viewing online	
2. Work Package 1 WP1: Digitised 50 year old aerial imagery (FI only)	<p>2.1 1 Commence geo-referencing of 1954 aerial imagery by Quarter 4 FY 17/18.</p> <p>2.2 Complete geo-referencing of 1954 aerial imagery to create a digital map by end Quarter 2 FY 18/19</p>	2.1 1954 FI aerial imagery digital map available via MSP GIS portal	Aerial imagery is of sufficient quality to be able to be digitised. Preliminary checks suggest this is the case.
3. Work package 2 (WP2): Object based image analysis and habitat modelling of the coastal margin (FI and SG)	<p>3.1 Stage I habitat modelling and classification complete for the Falklands by September 2018.</p> <p>3.2 Stage I habitat modelling and classification (terrestrial and intertidal) complete for South Georgia by end March 2018.</p> <p>3.3 Stage I habitat modelling and classification (subtidal) complete for South Georgia, and integration with terrestrial and intertidal habitat maps (3.2) by end July 2018</p>	<p>3.1 FI coastal margin (Stage I) habitat map available online via MSP GIS portal</p> <p>3.2 SG coastal margin (Stage I) habitat map available online via South Georgia GIS portal</p>	<p>Satellite imagery at useful resolution and without cloud cover is obtainable.</p> <p>Preliminary checks suggest several options and suitable imagery will be available.</p> <p>Satellite imagery and derived products are open access.</p> <p>Preliminary enquiries and expert opinion suggest this is feasible.</p>
4. Work Package 3 (WP3): Identification, prioritisation and fulfilment of information data needs for the systematic conservation and planning of the coastal margin for the FI and for SG	<p>4.1 At least 1 FI (Q3 FY 18/19) and 1 SG (Q3 FY 18/19) stakeholder workshop held to identify and prioritise data needs for the coastal margin</p> <p>4.2 Ground truthing of satellite imagery analysis on SG (Quarter 3 FY 17/18 & Quarter 4 FY 18/19) and</p>	<p>4.1 FI and SG stakeholder workshop report on the project page website</p> <p>4.2 FI coastal margin fine scale (Stage II) maps available online via FI MSP GIS portal.</p>	<p>Satellite imagery at useful resolution and without cloud cover is obtainable. Preliminary checks suggest several options and suitable imagery will be available.</p> <p>Permissions to access study areas approved by landowners (where required).</p>

	<p>the FI (Quarter 1 – Quarter 4 FY 18/19)</p> <p>4.3 Stage II geospatial data products reflecting prioritized information needs utilizing high res imagery to reduce uncertainty in habitat models/classifications and address spatial and temporal data priority needs expressed by stakeholders – for both the FI and SG by Quarter 1 FY 19/20</p>	<p>4.3 SG coastal margin fine scale (Stage II) maps available online via SG GIS portal</p>	
<p>5. Work Package 4 (WP4): Prioritisation of ongoing planning, protection and monitoring of the coastal margin</p>	<p>5.1 A monitoring manual produced for long-term monitoring of coastal margin for the Falklands by end Quarter 3 FY 19/20</p> <p>5.2 A monitoring manual produced for long-term monitoring of coastal margin for South Georgia by end Quarter 3 FY 19/20</p> <p>5.3 At least 1 face-to-face training workshop in implementing monitoring undertaken by end Quarter 2 FY 19/20</p>	<p>5.1 FI monitoring manual available on the project page website</p> <p>5.2 SG monitoring manual available on the project page website.</p> <p>5.3 Training workshop report available on project page website</p> <p>5.4 -Televised training available online on project page website.</p>	<p>There are in-territory staff who are well-positioned to undertake the training.</p> <p>Discussions to identify where the future long-term monitoring role would sit for both islands are underway.</p>
<p>6. Work Package 5 (WP 5) All outputs integrated with existing and emerging initiatives</p>	<p>6.1 New geospatial products maximally informed and integrated with existing FI and SG geo-spatial data initiatives</p> <p>6.2 End of project synthesis workshop for FI and SG held by end Quarter 3 FY 19/20 to decide how findings will contribute to systematic conservation planning</p>	<p>6.1 Report on integration with other initiatives on the FI published on the project webpage.</p> <p>6.2 Report on integration with other initiatives on the SG published on the project webpage.</p>	<p>Owners and co-ordinators of existing initiatives are willing to collaborate and explore these opportunities as well.</p> <p>The support of the project partnership brings on board key leaders in these areas.</p>

7. Monitoring and evaluation	7.1 Detailed Monitoring and evaluation plan produced by end Quarter 4 FY 17/18 7.2 6-monthly updates on implementation of M&E Plan provided to PMG	7.1 Detailed M&E Plan available on project webpage 7.2 M&E updates available on project webpage	PM has skills to deliver M&E plan This will be built into the Job description of the PM and
<p>Activities (each activity is numbered according to the output that it will contribute towards, for example 1.1, 1.2 and 1.3 are contributing to Output 1)</p> <p>1.1 Advertise, interview and recruit PM 1.2 Draft and sign Project Partners MoU 1.3 Quarterly PMG meetings 1.4 6 monthly PSG meetings 1.5 Monthly Webpage updates 1.6 Complete various project management activities 1.7 Final project report and publicity</p> <p>2.1 Explore development of a workflow to aid the geo-referencing 1954 aerial imagery 2.2 Complete the geo-referencing of 1954 aerial imagery along the coastal margin 2.3 Produce a digital map of the 1954 aerial imagery showing the coastal margin 2.4 Upload the 1950's coastal margin (aerial imagery) map onto the MSP GIS portal and a copy of the associated metadata onto the South Atlantic metadata catalogue</p> <p>3.1 Source the Satellite imagery for the Falklands and South Georgia 3.2 Pre-processing of satellite imagery to prepare for analysis 3.3 Undertake Analysis of the satellite imagery and habitat modelling 3.4 Produce a Coastal Margin habitat map for South Georgia and the Falklands 3.5 Upload the Coastal Margin habitat map onto the MSP GIS portal (for the Falklands) and supply SG map to GSGSSI (for upload to GSGSSI web portal); upload a copy of the associated metadata onto the South Atlantic metadata catalogue.</p> <p>4.1 Confirm Stakeholder workshop (to identify and prioritise spatial and temporal data priority needs expressed by Stakeholders) date, venue, and participants for the Falklands and South Georgia 4.2 Confirm Stakeholder workshop programme, speakers and facilitators through consultations via the PMG and PSG for the Falklands and South Georgia 4.3 Host the Stakeholder workshop for the Falklands and South Georgia 4.4 Produce the Stakeholder workshop report for the Falklands and South Georgia and upload onto the project webpage</p>			

- 4.5 Acquire very high resolution satellite imagery (e.g. WorldView) and/or undertake drone missions to acquire high resolution imagery for priority areas requiring fine-scale mapping in South Georgia and the Falklands
 - 4.6 Pre-process the imagery to prepare for analysis
 - 4.7 Undertake analysis of the imagery.
 - 4.8 Undertake ground-validation of analysed data on the Falklands and South Georgia
 - 4.9 Produce detailed (Stage II) Coastal Margin habitat maps for priority areas for South Georgia and for the Falklands
 - 4.10 Upload the detailed (Stage II) Coastal Margin habitat map onto the MSP GIS portal (for the Falklands) and supply to GSGSSI for upload onto the GSGSSI web portal. Upload a copy of the associated metadata onto the South Atlantic metadata catalogue.
-
- 5.1 Draft a long-term coastal mapping/monitoring manual for the Falklands and South Georgia and upload onto the project webpage
 - 5.2 Confirm date, venue, and participants for the Falklands and South Georgia coastal mapping/monitoring training workshop
 - 5.3 Undertake coastal mapping/monitoring training workshop
 - 5.4 Record videos of training sessions and upload online onto the project webpage
-
- 6.1 Review all of the existing (relevant) stakeholder groups and data creation and management initiatives and protocols.
 - 6.2 Produce a report on the review demonstrating how this initiative links to and builds on the existing and emerging work, and publish on the project webpage.
 - 6.3 Prepare for and host 'end of project' synthesis workshop to decide how outputs will be fed into planning
-
- 7.1 Prepare monitoring and evaluation (M and E) plan
 - 7.2 Prepare and present 6 monthly M and E updates
 - 7.3 Upload M and E plan and updates onto webpages