

## The GEF Dugong and Seagrass Conservation Project

### Project Progress Report

**Reporting Period**                      **From:**    Jul / 2016    **To:**    Dec / 2016

#### 1. PROJECT GENERAL INFORMATION

<b>National Project Code &amp; Title:</b>	ID 2 – 2102 & Improving National Awareness and Research of Dugong and Seagrass in Indonesia		
<b>Project Partner(s):</b>	Directorate of Conservation and Marine Biodiversity, Directorate General of Marine Spatial Management, MMAF Indonesia (CMB) <b>Supporting partners:</b> WWF-Indonesia; Indonesian Institute of Sciences, Research Centre for Oceanography (RCO-LIPI); Faculty of Fisheries and Marine Science , Bogor Agricultural University (IPB); Research Center and Development for Fisheries Resources (Puslitbangkan, BALITBANG-MMAF); Research Center and Development for Marine and Coastal Resources (P3SDLP, BALITBANG-MMAF); LAMINA Foundation		
<b>Location (country, region/ district and commune/ city/ village/ region etc.)</b>	Indonesia, Jakarta, Bogor, Bintan, Kotawaringin Barat, Tolitoli and Alor		
<b>Of which areas under protection (please indicate the name and size of protected areas or locally managed marine areas, if applicable)</b>	<ul style="list-style-type: none"> <li>• MCA of Bintan, Bintan District, 472,905,00 Ha</li> <li>• MCA of Pantar Strait, Alor District, 400,008.30 Ha</li> <li>• Marine Tourism Park of Libutan Sibitulu, Tolitoli District, 74,060.37 Ha</li> <li>• Marine Tourism Park of Senggora Sepagar, Kotawaringin Barat District, 171,679.00 Ha</li> </ul>		
<b>Project start date</b>	January 2016	<b>Project intended completion date</b>	30 September 2018

## 2. PROJECT PROGRESS

### 2.1. Narrative of project progress during the past semester by Project Activity

- 3.1.1 Prepare map on status, distribution and threats on dugong and seagrass  
Maps of dugong and seagrass distribution and study location for Bintan, Alor, Tolitoli and Kotawaringin Barat are available. Maps are produced during preliminary survey in 4 pilot sites. There are also additional maps of dugong sighting area, foraging habitat and playing ground from Sangihe which was conducted by WWF-Indonesia support (in-kind).
- 3.1.3. Facilitate preliminary survey for updating site projects status  
Preliminary survey was conducted in Bintan on 22-27 August 2016, in Tolitoli on 19-25 September 2016 and in Kotawaringin Barat on 10-16 October 2016. An additional preliminary survey was conducted by WWF-Indonesia consultant in Sangihe on 26 July-6 August 2016.
- In Bintan, 21 key informants were interviewed using CMS questionnaire. Nine species of seagrasses were identified. None dugong was sighted, even though several feeding trails were recorded. Instead of dugong, survey team recorded the sighting of  $\pm 25$  irrawaddy dolphins.
- In Tolitoli, 29 key informants were interviewed. Ten species of seagrass were identified. The presence of 4 dugongs were recorded during aerial survey in Ogotua waters.
- In Kotawaringin Barat, 16 key informants were interviewed. Ten species of seagrass were identified. None dugong was sighted, even though several feeding trails from seagrass survey and sound of dugong from bioacoustic survey were recorded.
- In Sangihe, 10 key informants were interviewed. Five species of seagrasses were identified. Two dugongs were recorded from aerial survey, while 1 dugong was recorded and observed during underwater survey in the waters of Likuang Village.
- 3.1.4 Facilitate training on seagrass and dugong survey and monitoring methods  
Training of Dugong and Seagrass Survey and Monitoring Method is planned to take place on 30 January-5 February 2017 in Jakarta and Tolitoli. The training will involve overseas experts i.e. Hans de longh, Kotaro Ichikawa, 2 DTG experts i.e. Nicholas Pilcher and Christophe Cleguer and national experts from LIPI, IPB, Balitbang KP, Lamina and WWF-Indonesia. An initial meeting was held on 15 December 2016 to discuss the training preparation with other DSCP members, but the coordination and consultation with experts and PCT has been starting since November 2016.

- 4.2.1 Facilitate awareness level survey (national stakeholders) before and after campaign in potential project sites – Bintan, Alor, Kei and Kotawaringin Barat  
Through questionnaire survey during preliminary survey, the awareness of dugong and seagrass conservation in each pilot sites can be investigated. Majority of the respondents (more than 90%) said that dugong should live freely in the sea. More than half of the respondents said that dugong's presence is important. Majority of respondents (68-85%) have known already that dugong is protected animal and catching dugong on purpose is considered as an illegal activity.
- 4.2.2. Facilitate National Communication Strategy Workshop  
National Communication Strategy Workshop will be held on 9-12 January 2017. Internal discussion was first conducted by WWF-Indonesia team on 15 November 2016. The discussion was later followed by 2 other meetings on 16 December with MMAF staffs, then on 20 December 2016 with MMAF and potential consultant who will help to facilitate the process.
- 4.2.5 Conduct awareness campaign through national media (news papers, magazines, televisions, etc)  
Since 6 October 2016, DSCP Indonesia launch a Facebook page called Dugong and Seagrass Conservation Project (DSCP) Indonesia. Initially, most of the likes for the DSCP Indonesia Facebook fanpage came from the friends or colleagues of the fanpage administrators. Until 31 December 2016, the number of page likes for the fanpage was 145 likes. The last post in 2016 featured photos of preparation meeting for the Training on Survey and Monitoring Method in January. However, the post with highest number of "Reach" (i.e. 4,588 people) was one mentioning the unsustainable use of dugong in Fakfak, West Papua. Some people expressed sad and angry emotions (by using Facebook emotion feature). One comment for that post mentioned that it would be better if we didn't mention the name of the location in the Facebook post.
- Information on DSCP:  
<http://www.kkji.kp3k.kkp.go.id/index.php/beritabarudugong?view=default>
- Some news about public consultation in Tolitoli:  
<http://www.antarasulteng.com/berita/26847/tolitoli-jadi-lokasi-proyek-konservasi-dugong>
- Some news about dugong release in Tolitoli during preliminary survey:  
<http://www.ucnews.id/news/103-3994407732476166/ikan-duyung-tangkapan-nelayan-dilepas-kembali-ke-laut.html>
- Some news about Indonesian delegations in SEAMMSN as follow:  
<http://www.harnas.co/2016/11/14/indonesia-kirim-delegasi-untuk-seammsn>  
<http://kalbar.antarane.ws.com/berita/344744/indonesia-kirim-delegasi-ke-the-2nd-seammsn>  
<http://www.mongabay.co.id/2016/11/21/belajar-dari-thailand-dalam-menangani-satwa-laut-terdampar/>

#### 4.2.6 Participate in national events (national seminar and symposium, environment day, etc)

Three Indonesian delegations (Dwi Suprpti from WWF-Indonesia, Sekar Mira from LIPI and Sheyka Nugrahani Fadela from Whale Stranding Indonesia) participated in the second Southeast Asian Marine Mammal Stranding Network (SEAMMSN) which took place in Pattaya, Thailand on 8-12 November 2016. Ms. Suprpti and Ms. Fadela were funded by WWF-Indonesia, while Mrs. Mira was funded by International Whaling Commission. SEAMMSN were attended by 80 participants from 11 countries such as Indonesia, Malaysia, Philippines, Hongkong, Thailand, Vitenam, Australia, China, Taiwan, USA and UK. Ms. Mira delivered a presentation about the latest status about marine mammal research and conservation effort in Indonesia. Indonesia DSCP was also explained during that presentation. Link of news about the event: <http://www.mongabay.co.id/2016/11/21/belajar-dari-thailand-dalam-menangani-satwa-laut-terdampar/>

A delegation (Juraij from IPB/WWF-Indonesia) submitted and presented a poster which entitled as Dugong (*Dugong dugon*) Presence and Behavior Using Aerial Survey Technique in Tabukan Utara, Sangihe District, North Sulawesi in a workshop held by the Society of Indonesian Oceanology Scholar (*Ikatan Sarjana Oseanology Indonesia-ISOI*) in Surabaya, East Java on 1-2 December 2016. ISOI was attended by 207 oral presenters and 94 poster presenters from researchers, lecturers, students, government and NGO.

## 2.2. Project implementation progress<sup>1</sup>

Outputs & Activities <sup>2</sup>	Expected completion date	Implementation status as of end of reporting period expressed in %	Describe any problems in delivery and any changes/mitigation action required.
<b>Output 1: Advocacy programmes and advocacy capacity for improved conservation management of dugongs and their seagrass ecosystems developed and implemented</b>			
<b>Activity 1:</b> Facilitate awareness level survey (national stakeholders) before and after campaign in pilot sites	31 August 2018	40%	-
<b>Activity 2:</b> Facilitate National Communication Strategy Workshop	30 November 2016	30%	Indonesia DSCP has started in April 2016, 4-month late from workplan, so the communication strategy workshop has been delayed. The workshop preparation has been running since November 2016 and postpone for end of year holiday. The workshop are going to be held in the

<sup>1</sup> Information provided in “Quarterly Expenditure Report” should be in line with output/activity progress reported in this table.

<sup>2</sup> Outputs and activities as described in the project proposal or in any updated project revision. Expand table as necessary.

Outputs & Activities <sup>2</sup>	Expected completion date	Implementation status as of end of reporting period expressed in %	Describe any problems in delivery and any changes/mitigation action required.
			beginning of January 2017
<b>Activity 3:</b> Produce of national awareness campaign materials (newsletter, booklets, poster etc)	30 November 2017	0%	Delayed Communication Strategy Workshop has impacted delayed the production of awareness materials. Accelerate the production activities after the workshop accomplished
<b>Activity 4:</b> Assign dugong and seagrass ambassador (well-known actress)	30 November 2016	0%	Delayed Communication Strategy Workshop has impacted delayed the activity on dugong and seagrass ambassador. Accelerate the activities after the workshop accomplished
<b>Activity 5:</b> Conduct awareness campaign through national media (newspapers, magazines, televisions, etc)	31 July 2018	10%	Delayed Communication Strategy Workshop has impacted delayed the awareness campaign. Awareness campaign has begun through the DSCP Indonesia Facebook fanpage. Accelerate the main activities of awareness campaign after the workshop accomplished.
<b>Activity 6:</b> Participate in national events (national seminar and symposium, environment day, etc)	30 September 2018	10%	-
<b>Output 2: Critical knowledge gaps (dugong and seagrass ecosystems) identified and surveyed/completed</b>			
<b>Activity 7:</b> Prepare map on status, distribution and threats on dugong and seagrass	31 August 2018	35%	-
<b>Activity 8:</b> Prepare standardized method for seagrass and dugong research and monitoring	30 September 2016	50%	-
<b>Activity 9:</b> Facilitate preliminary survey for updating site projects status	30 September 2016	100%	-
<b>Activity 10</b> Facilitate training on seagrass and dugong survey and monitoring methods:	30 November 2017	20%	-

Outputs & Activities <sup>2</sup>	Expected completion date	Implementation status as of end of reporting period expressed in %	Describe any problems in delivery and any changes/mitigation action required.
<b>Output 3: Conservation-relevant information and guidance (dugongs and seagrass ecosystems) collated and disseminated</b>			
<b>Activity 11:</b> Standardize guidelines of research on carbon budget in seagrass	30 September 2016	0%	There has been new organization structure implemented at the MMAF that unify the Research Agency (include P3SDLP) and Human Resources Development Agency. Coordination with P3SDLP as PIC of the activity has been running to initiate the activity in the near future.
<b>Activity 12:</b> Develop and update seagrass and dugong database	30 September 2018	0%	-

### 2.3. Risk and risk management

Please describe internal and external risks (examples included in brackets) that could affect successful implementation of project activities and the proposed risk mitigation measures.

Risk group	Description	Risk level (Low/ Medium/ High)	Mitigation measures
<b>Project Management</b> (team capacity, internal communication, co-financing, budget, financial management, reporting, etc.)	There is still relatively small in-kind contribution from LIPI and IPB because these 2 institutions have not allocated a dedicated budget for supporting DSCP implementation this year.	Low	LIPI and IPB needs to allocate specific independent budget for supporting DSCP implementation in year 2017.
<b>Socio-cultural issues</b> (external communications, capacity of and work with stakeholders, cultural aspects)	.	-	-

<b>Political risks</b> (Political stability in country, political impacts on the project)	1. There has been new organization structure implemented at the MMAF that unify the Research Agency and Human Resources Development Agency. This perhaps answers the delay of NDCC establishment, in part, the late response of the P3SDLP due to new structure adaptation.  2. There is high turn over rate among local government officers. The usual DSCP partners who have been working together might be moved to other agencies which can be not relevant anymore.	1. Low          2. Medium	1. Continuous communication with key staffs that previously deal with DSCP so that we can quickly adapt with the new structure          2. DSCP team should be flexible and ready to help assisting regeneration, especially at local levels.
<b>Environmental risks</b> (severe weather events/ disasters, natural causes negatively affecting project areas, habitats and species)	-	-	-
<b>Other (please specify)</b>	-	-	-

### 3. MONITORING AND EVALUATION

#### 3.1. Please describe activities for monitoring and evaluation carried out during the reporting period.

Examples include: baseline data collection, stakeholder surveys, field surveys, steering committee meetings to assess project progress, peer review of documentation to ensure quality, mid-term review, etc.

Do not include routine project reporting.

The preliminary survey attempted in Bintan, Tolitoli and Kotawaringin Barat was a follow up from site selection after national symposium. The results of this preliminary survey will be the baseline data for the intervention areas. For this preliminary survey, CMS based questionnaire was used to interview some key informants in targeted villages, Seagrass species composition, distribution, coverage, density, substrate and biomass were estimated and analyzed. Meanwhile, visual, feeding trail, bioacoustic and aerial surveys were used to observe and record dugong's presence.

### 4. OTHER INFORMATION

#### 4.1. Meetings<sup>3</sup>

Meeting type <sup>4</sup>	Title	Venue	Dates	Convened by	Organized by	No. of participants	Report issued Y/N	Language	Dated
Coordination meeting	Preliminary survey preparation	MMAF	21 Jul 2016	CMB	LIPI	11	N (ppt only)	IND	21 Jul 2016
Coordination meeting	Preliminary survey preparation	Santika Hotel, Bogor	2 Aug 2016	CMB	LIPI	10	N (ppt only)	IND	2 Aug 2016
Coordination meeting	Preliminary survey preparation	LIPI	16 Aug 2016	LIPI	LIPI	8	N (ppt only)	IND	16 Aug 2016
Coordination meeting	Preliminary survey preparation	LIPI	1 Sep 2016	LIPI	LIPI	7	N (ppt only)	IND	1 Sep 2016
Coordination meeting	Preliminary survey preparation	LIPI	30 Sep 2016	LIPI	LIPI	10	N (ppt only)	IND	30 Sep 2016
Coordination meeting	Communication strategy workshop preparation	WWF	15 Nov 2016	WWF	WWF	6	Y (MoM)	IND	17 Nov 2016
Coordination meeting	Communication strategy workshop preparation	WWF	2 Dec 2016	WWF	WWF	5	N (draft ToR)	IND	2 Dec 2016
Coordination meeting	Training preparation	MMAF	15 Dec 2016	MMAF	WWF	20	Y (MoM)	IND	17 Nov 2016
Coordination meeting	Communication strategy workshop preparation	MMAF	16 Dec 2016	MMAF	WWF	8	N (workshop agenda)	IND	23 Dec 2016

<sup>3</sup> Expand table as necessary

<sup>4</sup> Meeting types: e.g. expert group meeting, project inception workshop, training workshop/seminar, partners consultation workshop, project Steering Committee meeting etc.



Coordination meeting	Communication strategy workshop preparation	MMAF	20 Dec 2016	MMAF	WWF	9	N (final ToR, workshop form)	IND	23 Dec 2016
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#### 4.2. List(s) of meeting participants<sup>5</sup>

No.	Name of participant	Nationality
1	Syamsul B. Lubis	Indonesian
2	Suraji	Indonesian
3	Yudha Miasto	Indonesian
4	Erina Nelly	Indonesian
5	Marina Monintja	Indonesian
6	Syifa Annisa	Indonesian
7	Rian Puspita Sari	Indonesian
8	Mudatsir	Indonesian
9	Ahmad Sofiullah	Indonesian
10	Adi Susilo	Indonesian
11	Veda Santiadji	Indonesian
12	Dwi Suprpti	Indonesian
13	Cassandra Tania	Indonesian
14	Yoppy Endano	Indonesian
15	Wawan Kiswara	Indonesian
16	Rahmat Nurdin	Indonesian
17	Sekar Mira	Indonesian
18	Sam Wouthuyzen	Indonesian
19	Udhi	Indonesian
20	Adriani Sunuddin	Indonesian
21	Juraj Bawazier	Indonesian
22	Fitriyah Anggraeni	Indonesian
23	Andreas Hutahaeen	Indonesian
24	Agustin Rustam	Indonesian
25	Muta Ali Khalifa	Indonesian
26	Ngurah Wiadnyana	Indonesian

<sup>5</sup> Expand table as necessary

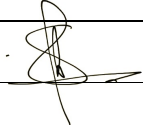
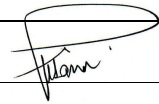
27	Dharmadi	Indonesian
28	Dewi Striani	Indonesian
29	Dwi Ario Cipto Handono	Indonesian
30	Emilia Bassar	Indonesian
31	Zia Ulhaq	Indonesian
32	Heri Daulay	Indonesian

#### 4.3. Documents, other printed materials, videos, and soft products (such as CDs or websites)

No	Type <sup>6</sup>	Title	Author(s) Editor(s)	Publisher	ISBN	Publication date
1	Technical Report	Report of Dugong and Its Seagrass Habitat Survey in Alor, 30 Mei-6 Juni 2016	Juraj, Khaifin, Tutus Wijanarko, Syarif Yulius Hadinata, Maulid Dio Suhendro (WWF-ID)	Not yet published	-	-
2	Technical Report	Report of Dugong and Its Seagrass Habitat Survey in Sangihe, 25 Juli-6 Agustus 2016	Juraj (WWF-ID)	Not yet published	-	-
3	Technical Report	Report of Preliminary Survey for Dugong and Its Seagrass Habitat Survey in Bintan, 22-27 2016	Rr. Sekar Mira C.H., Prof. Sam Wouthuyzen, Achmad Arifin, Niken Rahayu Sepa, Adriani Sunuddin, Juraj, Nunung Noer Azizah, Casandra Tania, Riswanto	Not yet published	-	-

<sup>6</sup> Documents and printed material types: e.g. technical publication, meeting report, technical/substantive report, brochures, media releases, etc.

			(DSCP Survey Team)			
4	Technical Report	Report of Preliminary Survey for Dugong and Its Seagrass Habitat Survey in Tolitoli, 19-26 September 2016	Rr. Sekar Mira C.H., Juraij, Erik Munandar, Riswanto, Acmad Arifin, Fitriyah Anggraeni, Suhardi, Dwi Suprpti, Yoppy Endano, Syarif Yulius Hadinata (DSCP Survey Team)	Not yet published	-	-
5	Technical Report	Report of Preliminary Survey for Dugong and Its Seagrass Habitat Survey in Kotawaringin Barat, 10-16 October 2016	Rr. Sekar Mira C.H., Juraij, Muta Khalifa, Riswanto, Acmad Arifin, Fitriyah Anggraeni, Suhardi, Casandra Tania, Syarif Yulius Hadinata (DSCP Survey Team)	Not yet published	-	-
7	Technical Report	Symposium and Workshop Report on Second Southeast Asian Marine Mammal Stranding Network Pattaya, 8-12 November 2016	Sheyka Nugrahani Fadela (WWF-ID)	Not yet published	-	-
8	Map	Maps of Preliminary Results Survey	Dyah Rahmatika DD (WWF-ID)	Not yet published	-	-

Name of Project Manager: Syamsul B. Lubis		Name of Project Manager Supervisor: Andi Rusandi	
Signature: 	Date: 11 January 2017	Signature: 	Date: 11 January 2017