



Amendments to the Project Document

Government of the Republic of Yemen

United Nations Development Programme



Atlas Award ID: 00049646

STRENGTHENING SOCOTRA'S POLICY AND REGULATORY FRAMEWORK FOR MAINSTREAMING BIODIVERSITY

Narrative

This is an amendment to the 'STRENGTHENING SOCOTRA'S POLICY AND REGULATORY FRAMEWORK FOR MAINSTREAMING BIODIVERSITY' project document, Award Id 00049646, signed on 7th July 2008.

The objective of this amendment is to incorporate additional funding from the Government of Yemen, in the amount of USD\$ 1.187.584. New activities are added under existing components and a new component is created - Component - 6: Support to the fisheries sector and training of professionals. Activities related to marine protected areas and their management, eco tourism, sustainable fisheries management, strengthening the institutional capacities of local authorities and small scale fisheries organizations for sustainable fisheries are addressed under components 1, 2,3,4 & 5.

Agreed by

Signature

Date

Name and Title

Ministry of Planning
and International
Cooperation



H.E. Mr. Abdul Karim Ismail Al-Arhabi
Deputy Prime Minister, Minister of
Planning and International Cooperation

Ministry of Water and
Environment



H.E. Mr. Abdulrahman F. Al-Eryani
Minister of Water and Environment

United Nations
Development
Programme (UNDP)



Mr. Selva Ramachandran
UNDP Resident Representative a.i.

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ACRONYMS

AFD – Agence Française de Développement

CBO – Community Based Organization

EPA – Environment Protection Authority

FFEM – Fonds Français pour l'Environnement Mondial

GoY – Government of Yemen

MCS - monitoring-control-surveillance

MoFW – Ministry of Fish Wealth

MoWE – Ministry of Water and Environment

MPA – Marine Protected Area

NGO – Non-governmental Organization

UNDP – United Nations Development Programme

The project document is hereby amended by additions to following chapters:

II. STRATEGY

Component 1: Local Governance Support

38.

- The project conducts special/technical trainings for local authorities (MoFW, EPA) and NGOs/CBOs on impact assessment studies, invasive species monitoring, community based approach to Marine Protected Areas (MPA) and fishery resource management including policies and practices, besides raising awareness through technical trainings for fishermen cooperatives/associations on structure and function of the Island Wide Authority and related regulations.
- Develop, through a consultative process, a sustainable monitoring-control-surveillance (MCS) system along with the assessment of its operational feasibility, for the MPAs of the Socotra Archipelago. In the process organize three consultative workshops to draft the appropriate regulations fitting to the context of the Socotra Archipelago. The main themes of these workshops focus are but not limited to the following 1) legislation of fishing and MPA's in Yemen; 2) strengthening the role of local communities in MCS operations for MPAs management and improving the sanction system (threshold, judiciary operation, reward for denouncement) 3) the third workshop to be conducted in Sana'a to validate a legal framework for the participative surveillance of MPAs in the Socotra Archipelago.

Furthermore, organize trainings for local authorities (MoFW, EPA) and fishermen organizations on marine biodiversity conservation, monitoring-control-surveillance of the MPAs.

Component 2: Mainstreaming Tools

40.

- Provide external technical support to the EPA branch Socotra in monitoring of selected demersal species (e.g. crayfish, sharks, coral reef fish, holothurians), quantifying the fishing intensity and assess the tourism impact.
- Provide trainings in scientific data collection along with the transfer of basic tools and data analysis to Yemeni research organizations in order to ensure the long-term monitoring of the territory.
- Provide IT, data collection and diving equipment, including its maintenance to the Marine Team, in order to conduct research and monitoring activities in the coastal and marine zones of the Socotra Archipelago, in particular, the MPAs.

Component 3: Strengthening NGO Advocacy

44.

- Conduct training of trainers' sessions for awareness trainers on awareness raising methods in sustainable coastal and marine areas management; focus on practical and didactic aspects.

Organize training, targeting school teachers in the coastal village schools, to develop appropriate learning modules for school children based on existing didactic tools. The learning module designs include field observations and school projects to be conducted throughout the school year.

Provide practical training on Socotra biodiversity and conservation of coastal-marine environment to 15 (selected) eco-guides from the coastal areas. Language courses will be organized, if needed.

The awareness raising activities also focus on women and fishermen as they are strongly involved in natural resources management and exploitation.

- Produce and distribute awareness material among different target groups as follows:

Two 15 minutes documentaries on MPAs management and sensitive coastal and marine species (corals, turtles, crayfish, sharks, holothurians) in Arabic, Socotri and English

Conduct two exhibitions on coastal and marine environment as well as Socotra's MPAs to raise awareness among the visitors and the local communities, of which the first consists of an itinerant 10-poster exhibition on various aspects and issues of Socotra's marine biodiversity and the second on the sustainable community based MPAs management.

An illustrated brochure, in Arabic and English, containing information on MPAs and their establishment; characteristics of marine and coastal ecosystems of the Socotra Archipelago and main species observed while snorkeling.

Leaflets for each MPA for distribution to the visitors/tourists prepared; to increase awareness on the biodiversity conservation, community management of MPAs and code of conduct/appropriate behavior

- Organize an international conference with the participation of local authorities, coastal communities, and different stakeholders to share the project achievements, experiences and lessons learned.

Component 4: Benefits of Biodiversity Conservation to Local Livelihoods

48.

- Develop management plans and establish appropriate infrastructure for 4 priority MPAs - Shuab, Mahref, Qara, Katanen – and improve the existing management plan of Di Hamri. Construct camping sites in four selected MPAs, through consultative participation of local communities at selected locations, using traditional materials and construction designs. In the process, involve the neighbouring communities in the identification of the sites and construction of the infrastructures. Provide each camping site with solar energy devices for power generation. Prepare and install road panels and information boards on biotope characteristics, in addition to the demarcation buoys. Improve facilities at Di Hamri camping site, as deemed necessary by the

local community (e.g. solar energy device). If there is no consensus on campsite construction in one of the four MPAs mentioned above, another suitable location can be considered.

- Integrate through a participatory process, management of camping sites as well as eco tourism related activities into the MPA management plans.
- Involve external expertise in eco-tourism to define the type of clients as well as architectural features and material.
- Provide equipment necessary for the eco tourism activities (e.g. snorkelling, observation of cetaceans and wildlife in coastal biotopes such as avifauna, turtles) to local community eco-guides in selected MPAs.
- Conduct 10 training sessions (two weeks for each campsite) on themes such as 1) environment and ecosystems of the MPA; 2) eco-tourism related activities; 3) camping site management; 4) receiving visitors and associated services (e.g. meals preparation).

The marine team should monthly support the MPAs in technical issues and follow up on the implementation of activities.

- Propose bee keeping activities to the local communities within the vicinity of Shuab and Qara MPAs, and in agreement with the local communities establish protected, eventually closed; “bee gardens”, to increase the honey production.

Train and support women associations in Qalansiya to establish and maintain kitchen gardens

Component 5: Project management, monitoring and evaluation

- Administrative and technical management: Establish a marine team composed of a team leader, a marine expert, a fisheries expert and a diving expert for the implementation of all components mentioned above.

Component 6: Support to the fisheries sector structuring, organization and capacity building

The main objective of this component is to strengthen the active participation of small scale fisheries in order to improve the marine resources management and to regulate the fishing intensity in the costal zones of the Socotra Archipelago.

49. B

- Apply a Win-Win approach to encourage the fishermen to adapt the sustainable fish stock management efforts developed within the MPAs.

Conduct trainings for the fishermen cooperatives in conservation and sustainable natural resource management with emphasize on fishery resource management within the MPAs, and with a special focus on 1) principal coastal and marine ecosystems of the Socotra Archipelago, 2) fisheries' management and legislation in Yemen, 3) Monitoring Control and Surveillance of fishing activities in Yemen, 4) establishment and management of MPAs, conservation of the marine biodiversity, and 5) maximizing fishermen benefit using quality criteria.

- Strengthening local capacity for enforcement of fishing regulations

In consultation with the relevant authorities(MoFW, EPA), conduct six training sessions for the fishermen on existing fishing regulations and use of sustainable fishing methods, special focus being given to Crayfish and demersal fishery.

Contribute to the capacity building of fishermen and local authorities to ensure the effective implementation of fishing legislation. Outline measures to regulate fishing activities and fish

licensing system on the Socotra Archipelago to ensure sustainable fisheries management. Provide technical assistance to the relevant authorities to develop effective tools for sustainable fishing in Archipelago.

- Undertake feasibility testing of alternative and sustainable fishing methods together with trainings for fishermen contributing to the prevention of over exploitation of certain coral reef and demersal species. Involve external technical support in the process.

Assess as a first step, the effectiveness and selectivity of the existing fishing practices and fishing gear used on the Socotra Archipelago. Based on the assessment and also in consultation with specialists, fisheries professionals and local community evaluate the actual situation and promote fishing regulations among the local communities for compliance.

Continue testing and promotion of crayfish catching cages to encourage the local fishermen to use selective and sustainable fishing techniques. Elaborate a management plan for this species in close cooperation with stakeholders.

Install five fish concentrating devices in the proximity of MPAs to enhance the small scale fisheries exploitation of pelagic species and to decrease the intensity of demersal species exploitation, taking into account lessons learned from other similar initiatives. While implementing the activity, ensure that the proper communication mechanisms aimed at raising awareness and preparation of management plans are in place.

- Enhance partnership among local key actors and private sector within the fisheries sector to maximize benefit from fisheries products.

Conduct feasibility studies of cephalophoda catch to reduce the fishing pressure on demersal species.

- Conduct feasibility study on the exploitation and value-added of fisheries by-products/bycatch. Pilot initiatives to (1) test & ensure the feasibility and viability of techniques/procedures, and (2) locally feasible and profitable procedures to utilize the by-products to produce animal feed, fertilizers, fish flour etc.
- In consultation with local authorities, design and construct a new Hadibo fish market (capacity of 20 stands) with improved hygiene conditions in an available and appropriate location.

I. GEF LOGICAL FRAMEWORK

Project Strategy Goal	Indicator	Baseline	Target	Sources of verification	Risks and Assumptions
Project Objective: Specific project objective: Sustainable natural resources management and protection of Socotra Archipelago ecosystems	Four new MPAs established and management plans developed	Three MPAs established and operational	Seven MPAs fully operational	Project reports MPA management plans	The legal processes are not blocked by political and economic interests
Outcome 1: <u>Local Governance Support</u> Activity: Establishment of a MCS system for MPAs, through a participatory process.	Training sessions for local authorities and NGOs/CBOs (impact assessment, MPAs management, etc.) organized Three workshops organized on Surveillance and control of fishing activities within the MPAs	Insufficient MCS system and activities.	Improved MCS efficiency and awareness increased	Reports and other documentation from workshops Awareness materials	Political will to preserve marine biodiversity of Socotra Archipelago Strong involvement and participation of local communities and local authorities
Outcome 2: <u>Mainstreaming Tools Provided</u> Activity: To develop and conduct environmental monitoring activities in the MPAs, and other coastal zones of Socotra Archipelago Provision and maintenance of the equipment for the research and monitoring activities, data collection and treatment	Reports from monitoring missions Legislation on sustainable fisheries in the Socotra Archipelago recommended Number of research and monitoring studies conducted by the marine team	Inadequate monitoring system for fisheries Limited equipment available for research and monitoring	Enhanced monitoring tools and system adapted by the relevant stakeholders. Equipment for monitoring available and used by local authorities and for research.	Progress reports Technical reports from missions Fisheries legislation Invoices, vouchers Technical progress reports Research and monitoring studies	The legal processes are not blocked by political and economic interests Availability of equipment and competent staff

Project Strategy Goal	Indicator	Baseline	Target	Sources of verification	Risks and Assumptions
Outcome 3: <u>NGO Advocacy Strengthened</u> Activity: Training of trainers and school teachers on awareness raising methods for sustainable natural resources management. Produce and disseminate tailor made didactic and awareness materials (film, booklet, leaflets)	Number of training sessions conducted List of village school teachers and eco-guides trained Appropriate didactic and awareness materials available (film, booklet, leaflets) Two exhibitions prepared International conference organized	Lack of awareness on sustainable use of coastal/marine ecosystems Appropriate/tailor made didactic and awareness materials on coastal/marine ecosystems not available	Increased awareness among local communities on marine biodiversity and sustainable natural resources management Didactic and awareness materials on marine biodiversity produced and disseminated Two exhibitions conducted International conference organized	Progress reports Reports from training sessions Technical documentation Availability of awareness materials Agreement with TV channels Posters List of conference attendees	Involvement of coastal communities Technical and operational constraints to produce and disseminate the awareness materials

Project Strategy Goal	Indicator	Baseline	Target	Sources of verification	Risks and Assumptions
<p>Outcome 4: <u>Strengthened Link Between Biodiversity Local Benefits and Conservation Outcomes</u></p> <p>Activity: Construct or improve basic infrastructure of five priority MPAs</p> <p>Promote and enable eco-tourism activities for income generation among four priority MPAs' local communities</p> <p>Support the alternative income generating initiatives in selected coastal communities.</p>	<p>Four new campsites constructed and operational with water network and solar systems. Improved facilities in existing campsites</p> <p>Infrastructures constructed/improved and operational in the five priority MPAs, water network and solar systems operational</p> <p>Information boards and road panels placed</p> <p>Demarcation buoys are installed</p> <p>Maintenance of infrastructure integrated to the management plans</p>	<p>Lack of infrastructure facilities in the selected four MPAs</p>	<p>Four newly constructed campsites fully operational in sustainable manner</p>	<p>Technical reports</p> <p>Evaluation reports</p>	<p>Political stability on the national level</p> <p>Political will for the development of eco tourism on the Socotra Archipelago</p> <p>Local political will</p> <p>Will and participation of local communities</p> <p>Availability and technical capacity of work units</p>
	<p>MPAs provided with training and equipment for the eco tourism activities</p> <p>Trainings conducted for the local communities on campsite maintenance, management and services</p> <p>Number of monthly visits by the Marine Team to the MPAs</p> <p>Number of awareness sessions conducted</p>	<p>Limited equipment and income generated from eco tourism</p>	<p>Improved capacities and facilities in place to support local communities within MPAs in income generation from eco-tourism.</p>	<p>Updated management plans</p> <p>Invoices and vouchers</p> <p>Activity reports</p> <p>Evaluation report</p>	<p>Involvement of local communities</p> <p>Local will for the eco tourism development on Socotra Archipelago</p> <p>Political stability</p> <p>Will to develop eco-tourism</p> <p>Involvement of local communities</p>
	<p>Two communities in a proximity of MPAs supported in honey production</p> <p>Women associations from Qalansiya trained and supported in kitchen garden establishment and maintenance</p>	<p>Limited capacity to improve livelihoods, e.g. honey production, gardening</p>	<p>Bee gardens established and local capacities improved</p>	<p>Quarterly progress reports from the Marine Teams</p> <p>Evaluation report</p>	<p>Involvement of local communities</p> <p>Involvement of relevant NGOs active on Socotra</p>
				<p>Quarterly progress reports</p> <p>Reports from the NGO missions</p> <p>Monitoring and evaluation reports</p>	

Project Strategy Goal	Indicator	Baseline	Target	Sources of verification	Risks and Assumptions
Outcome 5 <u>Project Management</u>	Marine Team recruited	No Marine Team	Recruitment of the Marine Team	Constitution of an operational Marine Team	Difficulty of recruiting qualified and competent staff in Socotra
Outcome 6 <u>Support to the fisheries sector structuring, organization and capacity building</u>	<p>Number of training sessions organized for the coastal areas communities.</p> <p>Documents and didactic tools prepared for the fishermen cooperatives.</p> <p>Conclusions from feasibility testing of sustainable fishing methods</p> <p>Conclusions from feasibility testing of the fisheries bycatch exploitation.</p> <p>Number of training sessions organized for local authorities</p> <p>Number of fishermen and MoFW officials trained</p> <p>Construction of a new fish market in Hadibo</p>	<p>Limited institutional and technical capacity of the fisheries sector</p> <p>Unsustainable fishing practices threatening marine biodiversity</p> <p>No value-added fisheries by-products/fish bycatch systems</p> <p>No feasibility studies on fish bycatch exploitation</p> <p>Limited technical capacity of local authorities to enforce fishing regulation</p> <p>Poor hygienic conditions of the existing fish market</p>	<p>Improved capacities of fisheries and increased awareness on sustainable fishing practices</p> <p>Fish bycatch used for income generation</p> <p>Local authorities enforcing relevant regulations.</p> <p>Fish market with improved hygiene conditions</p>	<p>Training materials prepared</p> <p>Progress reports</p> <p>Evaluation reports</p> <p>Progress reports and the awareness actions</p> <p>Evaluation reports</p> <p>Feasibility measures developed</p> <p>Evaluation reports</p> <p>Training material/guidelines prepared</p> <p>Number of persons accessing the market</p>	<p>Participation of fishermen cooperatives and local communities</p> <p>Cooperation with the Fisheries Department Socotra and local research institutions.</p> <p>Strong political will</p> <p>Strong involvement of different stakeholders within the fisheries sector</p> <p>Difficulty to find an appropriate location</p> <p>Sellers interest in the new market</p>

II. ANNUAL WORK PLAN BUDGET SHEET

YEAR: 2010 – 2013 (SEE EXCEL SHEET ATTACHED FOR TOTAL BUDGET WORK PLAN AND ANNUAL WORK PLAN PER YEAR)

Total Budget and Work Plan												
Award ID:	00049646											
Award Title:	Strengthening Socotra's Policy and Regulatory Framework for Mainstreaming Biodiversity											
Business Unit:	YEM10											
Project Title:												
Project ID: PIMS no.	1913											
Implementing Partner (Executing Agency)	Ministry of Water and Environment											

GEF Outcome/Atlas Activity	Responsible Party/ Implementing Agent	Fund ID	Donor Name	Atlas Budgetary Account Code	ATLAS Budget Description	Amount Year 1 USD	Amount Year 2 USD	Amount Year 3 USD	Amount Year 4 USD	Amount Year 5 USD	Total USD	See budget notes
OUTCOME 1: Local Governance Support	GOV	00257	GoY	71200	International Consultants	8,502	16,194	8,097	8,097	0	40,891	
				71300	Local Consultants	2,699	4,049	4,049	2,699	0	13,495	
				71600	Travel	6,748	7,557	7,557	4,049	0	25,911	
				75700	Training, Workshops and Conference	7,422	10,796	10,121	6,748	0	35,088	
				71200	Miscellaneous	1,687	1,822	1,822	1,417	0	6,748	
					Total	27,058	40,418	31,646	23,009	0	122,132	

OUTCOME 2: Mainstreaming Tools	GOV	00257	GoY	71200	International Consultants	11,471	14,170	13,495	9,447	0	48,583	
				71600	Travel	6,883	8,097	8,097	5,398	0	28,475	
				72800	Information technology equipment	14,710	16,194	14,845	5,398	0	51,147	
				75700	Training, Workshops and Conferences	7,422	9,447	9,447	7,422	0	33,738	
				74500	Miscellaneous	1,350	2,699	1,876	1,350	0	7,274	
					Total	41,835	50,607	47,760	29,015	0	169,217	
OUTCOME 3: Strengthening NGO Advocacy	GOV	00257	GoY	75700	Training, Workshops and Conferences	11,336	17,814	17,814	7,018	0	53,981	
				74200	Audiovisual and Print Production Cost	6,748	14,845	13,900	4,453	0	39,946	
				71400	Contractual services	2,699	4,049	4,049	2,699	0	13,495	
				71600	Travel	5,938	6,748	6,410	4,386	0	23,482	
					Total	26,721	43,455	42,173	18,556	0	130,904	
OUTCOME 4: Biodiversity Livelihood Values	GOV	00257	GoY	71200	International Consultants	9,447	10,796	10,796	5,398	0	36,437	
				71400	Contractual services	5,398	9,447	8,097	4,049	0	26,991	
				74500	Miscellaneous	3,374	4,049	3,374	1,350	0	12,146	
				75700	Training, Workshops and Conferences	5,398	10,121	10,121	5,398	0	31,039	
				72300	Material and Goods	13,495	22,942	20,243	10,796	0	67,476	
				71600	Travel	2,699	4,049	4,049	2,699	0	13,495	
					Total	39,811	61,404	56,680	29,690	0	187,584	

OUTCOME 5: PM unit	GOV	00257	GoY	71400	Contractual services	24,291	36,437	36,437	24,291	0	121,457	
				71400	Operational cost	28,340	8,772	8,920	6,073	0	52,105	
				71600	Travel	3,374	5,398	5,398	2,699	0	16,869	
					Total	56,005	50,607	50,756	33,063	0	190,432	
OUTCOME 6: Support to the fisheries sector	GOV	00257	GoY	71200	International Consultants	31,039	40,486	37,787	18,893	0	128,205	
				71300	Local Consultants	20,243	23,617	23,617	18,893	0	86,370	
				75700	Training, Workshops and conferences	12,146	12,146	14,170	5,398	0	43,860	
				71400	Contractual services	12,821	18,893	18,893	10,796	0	61,404	
				72300	Material and Goods	8,097	14,845	14,845	2,699	0	40,486	
				71600	Travel	5,398	8,097	8,098	5,398	0	26,992	
					Total	89,744	118,084	117,410	62,078	0	387,315	
				PROJECT TOTAL			0	0	0	0	1,187,584	

III. MANAGEMENT ARRANGEMENTS

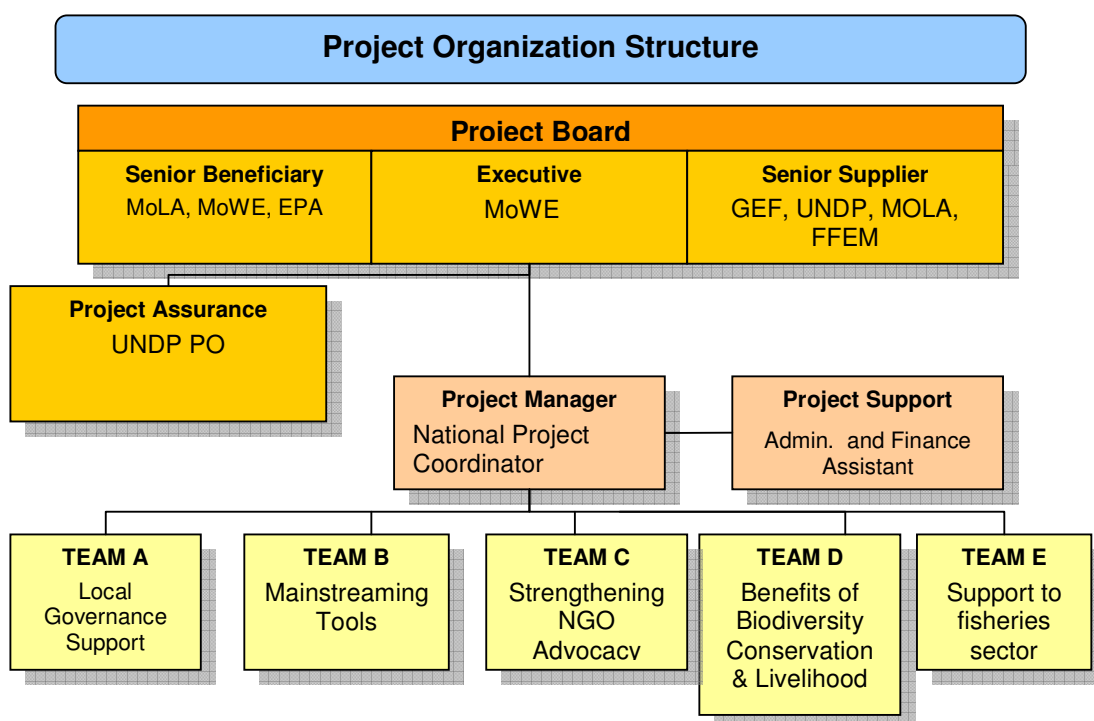
Following additions are made to the Project Organizational Structure:

- Team E in charge of the Component 6 and marine and fisheries related activities is established.
- FFEM is added in the Project Board as a Senior Supplier

Ensure that the FFEM logo is put in evidence on the material prepared and distributed and the events organized.

- The EPA branch in Socotra makes available the diving equipment to the project. Based on the actual assessment of the situation and needs, project provides additional equipments as needed.

The revised Project organization Structure is as follows:



IV. MONITORING FRAMEWORK AND EVALUATION

Following bullet point is added under Independent Evaluations:

The MoWE arranges and commissions bi-annually technical monitoring missions for component 6: Support to the fisheries sector structuring, organization and capacity building and other fisheries and marine related activities under the Components 1,2,3 & 4.

V. ANNEXES

ANNEX 1 – TERMS OF REFERENCE: THE PROJECT BOARD

ANNEX II – Detailed Resources Results Framework and Annual Work Plan

FFEM, represented by AFD Yemen, is added as a senior supplier part to the project board.