



Purpose: Information

## Fourth Meeting of the APFNet Council

25 March 2018 Beijing, China

### Appraisal of APFNet Concept Notes and Formulation of Project Proposals 2017

#### 1. 2017 Call for Concept Notes

By April, the APFNet Secretariat received 12 concept notes through the annual call for regular Projects<sup>1</sup>, and following six were technically recommended by the Project Appraisal Panel (PAP) for further development into full proposals.

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#### (1) Enabling Policies and Best Practices for Rehabilitation of Degraded Forests in Asia-Pacific Economies

Proponent: Chinese Academy of Forestry

Submitted by: State Forestry Administration of China

Project type: Research / policy development

Duration: 36 months

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#### (2) Improving Capacities towards Reducing Greenhouse Gas Emissions from Peat Swamp Forest Fires in Indonesia

Proponent and submitted by: Ministry of Environment and Forestry, Indonesia

Project type: Research

Duration: 36 months

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#### (3) Assessing the Conservation and Production Value of Managed Tropical Forests in Southeast Asia

Proponent: Forest Research Institute Malaysia (FRIM)

Submitted by: Ministry of Natural Resources and Environment, Malaysia

Project type: Research

Duration: 24 months

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#### (4) Action Plan for the Rehabilitation of the Dry Forest Ecosystem in the Northern Region of Peru

Proponent and submitted by: National Forest and Wildlife Service (SERFOR), Peru

Project type: Policy development

Duration: 24 months

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#### (5) Strengthening Community-based Sustainable Forest Management in Papua New Guinea

Proponent: Wildlife Conservation Society, PNG

Submitted by: PNG Forestry Authority

Project type: Demonstration project

Duration: 36 months

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<sup>1</sup> A regular projects refers to one project that requests an APFNet funding exceeding USD 100,000 and spans 2-3 years in duration.

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**(6) The Development of Joint Forest Management Models through Creation of Nut and Nut-fruit Plantations and Planting Material in the Territory of Forest Fund and State Land Reserve of the Republic of Uzbekistan**

Proponent and submitted by: Ministry of Agriculture and Water Resources, Uzbekistan

Project type: Demonstration project

Duration: 36 months

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**2. Formulation of Project Proposal in 2017**

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Following five project proposals developed from concept notes were considered as potential projects for APFNet project grants, with details as follows. <sup>2</sup>

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**(1) Enabling Policies and Best Practices for Rehabilitation of Degraded Forests in Asia-Pacific Economies**

**Implementation agency:** Chinese Academy of Forestry

**Budget in USD (total / APFNet grant):** 650,000 / 500,000

**Target economies:** China, the Philippines, Sri Lanka and Thailand

**Objectives:**

- Review previous forest rehabilitation projects in project economies, summarize experiences and lessons from success and failure;
- Identify strengths and weaknesses of different types of smallholder- and government-driven forest rehabilitation projects;
- Develop models for input supply networks and value chains for native tree species, to enhance their successful use in rehabilitation projects and improve incomes of farmers;
- Develop policy recommendations and decision-support tools to capacitate governments and stakeholders in incentivizing, designing and implementing successful and sustained rehabilitation projects.

**Expected outcomes:**

- Lists of strengths and weaknesses of previous forest rehabilitation projects for each economy and a summary report on lessons and experiences;
  - Strategies for sustaining rehabilitation efforts with native tree species and enhancing related benefits from rehabilitation projects;
  - Criteria for selecting species, seed sources and silvicultural measures and their integration in rehabilitation projects;
  - Policy recommendations and training materials for analyzing, planning and implementing successful forest rehabilitation projects.
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**(2) Improving Capacities towards Reducing Greenhouse Gas Emissions from Peat Swamp Forest Fires in Indonesia**

**Implantation agency:** Forest Research and Development Center, Forestry and Environment Research Development and Innovation Agency, Ministry of Environment and Forestry, Indonesia

**Budget in USD (total / APFNet grant):** 805,570/483,390

**Target economy:** Indonesia

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<sup>2</sup> Uzbekistan failed to submit the full project proposal by deadline.

**Objectives:**

- Develop a baseline of GHG emissions from peat swamp forests (PSF) of different degradation stages by empirically measuring fuel loads in fine and coarse size categories and determining combustion factors for each size class;
- Identify drivers of emissions from PSF fires;
- Develop the methodology for reducing GHG emissions based on the knowledge accrued in the project.

**Expected outcomes:**

- Improved estimates of GHG emissions (CO<sub>2</sub> and non-CO<sub>2</sub>) from peat swamp forest fires based on comprehensive field measurements;
  - An updated methodology on estimating GHG emissions from PSF for Indonesia's international reporting;
  - A set of recommendations for reducing GHG emissions from forest fires;
  - High quality peer-reviewed publications making results of the project transparent and readily available for international reporting and verification under the UN-FCCC requirements for the result based payments on emission reduction
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**(3) Assessing the Conservation and Production Value of Managed Tropical Forests in Southeast Asia**

**Implementation Agency:** Forest Research Institute Malaysia (FRIM) & The French Agricultural Research and International Cooperation Organization (CIRAD)

**Budget in USD (total / APFNet grant):** 668,500/499,500

**Target economies:** Indonesia and Malaysia

**Objectives:**

- Strengthen and consolidate capacities among the different stakeholders (forestry departments, concessionaires, researchers) through the development of a regional office of the Tropical managed Forests Observatory (TmFO), and a web platform for sharing data, analytical methods and products.
- Assess the recovery of timber volume, above-ground biomass and carbon stocks up to 25 years post-logging through the analysis of existing data provided by permanent sample plots included in the Southeast Asian (SEA) TmFO network.
- Develop new silvicultural guidelines, based on (2), and maximize production of timber and environmental services in Southeast Asian forests, which will be disseminated during workshops and international conferences, i.e., IUFRO 2019 World Congress, and policy briefs.

**Expected outcomes:**

- Technical capacities among the different stakeholders strengthened and consolidated (e.g. forestry departments, concessionaires, NGOs) through the development of (i) a regional office of the Tropical managed Forests Observatory (TmFO) and (ii) a web platform for sharing information, analytical protocols and products among partners, and possibly a broader audience
  - Recovery of timber volume, above-ground biomass and carbon stocks across TmFO sites over periods of time up to 34 years post-logging assessed
  - New silvicultural guidelines developed, based on updated evidences, which maximize
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production of timber and environmental services in SEA forests.

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#### **(4) Action Plan for the Rehabilitation of the Dry Forest Ecosystem in the Northern Region of Peru**

**Implementation agency:** National Forest and Wildlife Service (SERFOR)

**Budget in USD (total / APFNet grant):** 647,115/ 497,915

**Target economy:** Peru

**Objectives:**

- Elaborate a strategic action plan for the rehabilitation of dry forest, including mitigation and adaptation of ecosystems to climate change
- Strengthen the institutional capacities aiming to actively participate in risk prevention and restoration of degraded forest ecosystems of the public, private and civil society organizations.

**Expected outcomes:**

- Participatory design of a sub-national strategy for the restoration of the degraded forest ecosystem, within the framework of risk management of forest and climate change
  - An interinstitutional committee for the sustainable management of forest resources and restoration of degraded forest landscapes
  - Methodological packages validated with restoration and low-cost management strategies
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#### **(5) Strengthening Community-based Sustainable Forest Management in Papua New Guinea**

**Implementation agency:** Wildlife Conservation Society

**Budget in USD (total / APFNet grant):** 625,000/ 500,000

**Target economy:** Papua New Guinea

**Objectives:**

- Achieve long-term protection of the Manus Great Central Forest while improving livelihoods of 9 landowning communities.
- Strengthen and expand existing initiatives in Manus
- Develop the opportunities for local livelihood diversification
- Increase the social adaptive capacity of the local communities in the face of future climate change.

**Expected outcomes:**

- Renewal of conservation agreements with up to 9 communities
  - Development of integrated forest land use plans covering up to 29,379 ha
  - Local capacity built to implement permaculture methods to increase productivity while decreasing the reliance on shifting agriculture
  - Establishment of demonstration community nurseries and woodlots to accelerate the regeneration of secondary forest into high-value timber producing stands
  - Improved local knowledge about native timber propagation, PNG forestry regulations, and principles of sustainable forestry
  - The feasibility of sustainable cash crop livelihood options is assessed and a work plan for the most promising option is developed
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