Ecosystem-based Disaster Risk Reduction & Regional Cooperation Effort in WBs

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ODA and JICA

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Since joining the Colombo Plan*₁ in 1954, Japan has been providing financial and technical assistance to developing countries through ODA, aiming to contribute more proactively to the peace, Stability and prosperity of the international community*₂.

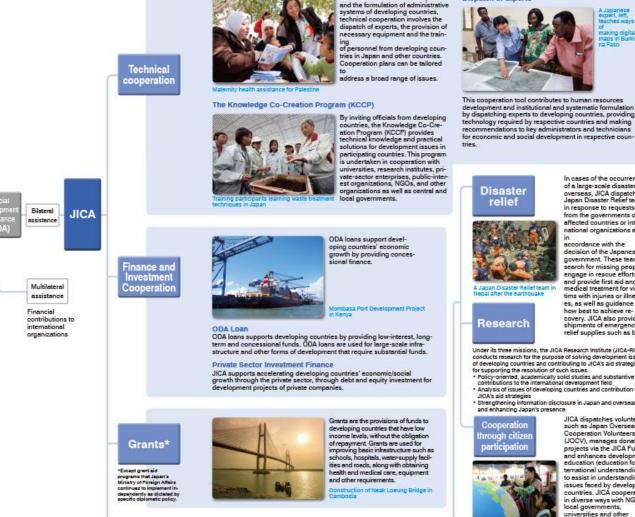
JICA is in charge of administering all ODA such as technical cooperation, Finance and Investment Cooperation and Grants in an integrated manner, except for contributions to international organizations. JICA, the world's largest bilateral aid agency, works in over 150 countries and regions and has some 90 overseas offices.

^{*1} The Colombo Plan is an international organization established in 1950 to support economic and social development of countries in South Asia, Southeast Asia and the Pacific region. Its head office is in Colombo, Sri Lanka.

^{*2} Taken from the Development Cooperation charter, which was decided in February 2015.



Types of Assistance



Dispatch of experts

For human resources development



This cooperation tool contributes to human resources development and institutional and systematic formulation by dispatching experts to developing countries, providing technology required by respective countries and making recommendations to key administrators and technicians for economic and social development in respective coun-

> In cases of the occurrence of a large-scale disaster overseas, JICA dispatches Japan Disaster Relief teams in response to requests from the governments of affected countries or international organizations and

accordance with the decision of the Japanese government. These teams search for missing people, engage in rescue efforts, and provide first aid and medical treatment for victims with injuries or illnesses, as well as guidance on how best to achieve recovery. JICA also provides relief supplies such as blan-

Under its three missions, the JICA Research Institute (JICA-RI) conducts research for the purpose of solving development issues of developing countries and contributing to JICA's aid strategies for supporting the resolution of such issues

- . Analysis of issues of developing countries and contribution to
- Strengthening information disclosure in Japan and overseas and enhancing Japan's presence



JICA Global Plaza in Tokyo

JICA dispatches volunteers such as Japan Overseas Cooperation Volunteers (JOCV), manages donation projects via the JICA Fund and enhances development education (education for international understanding) to assist in understanding issues faced by developing countries. JICA cooperates in diverse ways with NGOs, local governments, universities and other organizations that participate in international cooperation activities.



Types of Assistance

Technical cooperation

or human resources development and the formulation of administrative systems of developing countries, technical cooperation involves the dispatch of experts, the provision of necessary equipment and the training of personnel from developing countries in Japan and other countries. Cooperation plans can be tailored to address a broad range of issues.

Ex: The Knowledge Co-Creation Program (KCCP)



By inviting officials from developing countries, the Knowledge Co-Creation Program (KCCP) provides technical knowledge and

practical solutions for development issues in participating countries. This program is undertaken in cooperation with universities, research institutes, private sector enterprises, public-interest organizations, NGOs, and other organizations as well as central and local governments.

Ex: Dispatch of experts



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Western Balkans Cooperation Initiative



Photo: MOFA GoJ

Western Balkans Cooperation Initiative

Measures

- promoting dialogue by appointing the Ambassador in charge of the Western Balkans at the Ministry of Foreign Affaires in Japan
- 2) dispatching a Japan International Cooperation Agency (JICA) survey team to uncover new cooperation projects
- 3) holding seminars in order to promote regional cooperation

JICA's Contribution to Western Balkans Cooperation Initiative

- 1) Enhancing Bi-lateral Cooperation with WBs
- 2) Enhancing Regional Cooperation to address issues common in WBs
- 3) Collaboration with Emerging Donor Countries such as Bulgaria and Romania

Track Record of Cooperation with WBs in DRR

Project on Development of Integrated System for Prevention and Early Warning of Forest Fires (2011-14)

Project aimed at establishment of Integrated System for Prevention and Early Warning of Forest Fires in order to facilitate information share between the relevant institutions

Third Country Training Program on Development of Integrated System for Prevention and Early Warning of Forest Fires (2015-17)

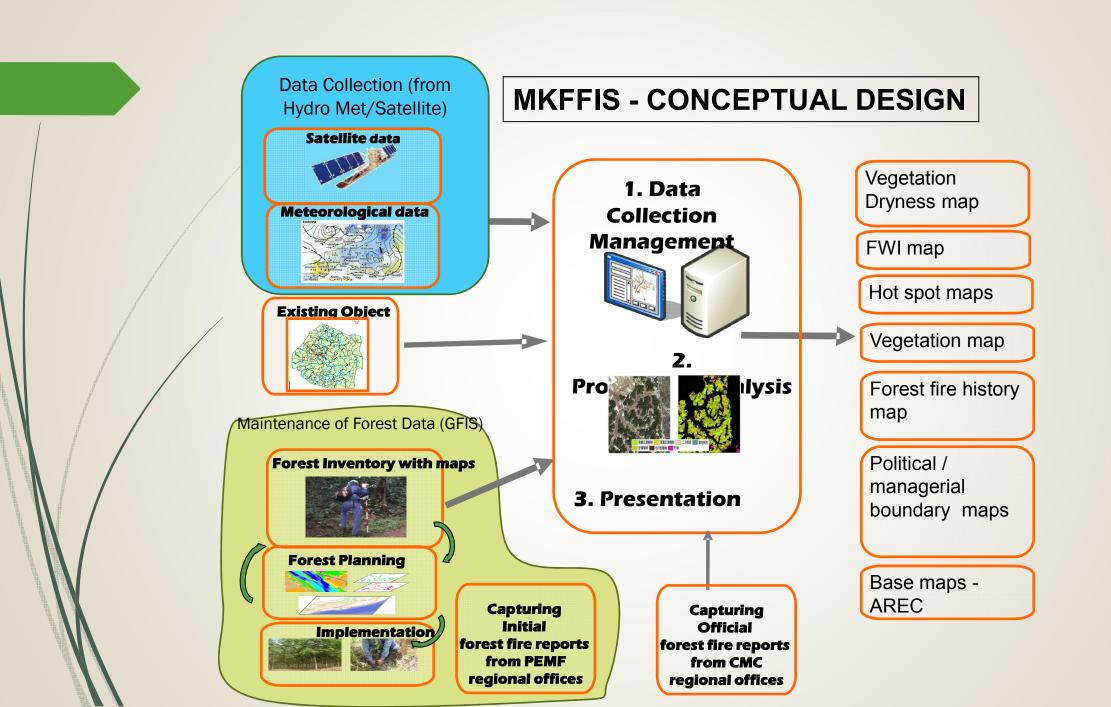
Project's goal was to disseminate the achieved results and gained knowledge related to establishment of system for prevention and early warning of forest fires to Partners in WB6

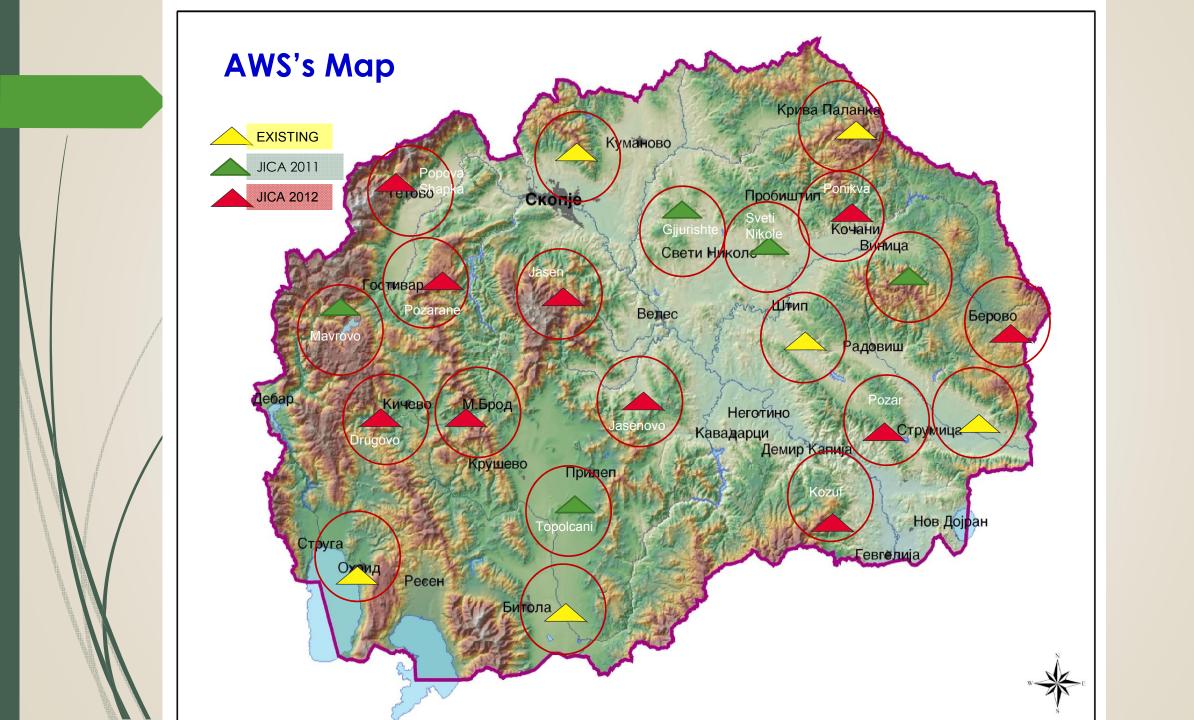
The Project on Capacity Building for Ecosystem based Disaster Risk Reduction through Sustainable Forest Management in Macedonia(2017-22)

Project aims at development of Ecosystem-based Disaster Risk Reduction (Eco-DRR) model against floods, landslides, soil erosion and forest fire by utilization of multiple forest functions.











OUTLINE OF THE PROJECT

1. Title of the Project

 Project on Capacity Building for Ecosystem-based Disaster Risk Reduction (Eco-DRR) through Sustainable Forest Management in Macedonia

2. Overall Goal

By Ecosystem-based Disaster Risk Reduction (Eco-DRR) measures and activities in synergy with sustainable forest management, disaster risks of floods, landslides, soil erosion and forest fire on a long-term basis is reduced in Macedonia.

3. Implementing Agency and Structure

(1) Implementing Agency:

CMC is main implementing agency. During the implementation of the project activities, the closed cooperation will be established with PEMF. Also, CMC will establish additional implementation set-up with other relevant parties.

(2) Duration of the Project:

Duration of the Project is five (5) years, from December 2017 to December 2022.



Purpose

Eco-system based Disaster Risk Reduction (Eco-DRR) model against floods, landslides, soil erosion and forest fire by utilization of multiple forest function is developed.

Outputs

Activities

1: Update MKFFIS

- Update of MKFFIS functionHydorological model
- ◆Indentification of assessment method for flood, land slides, and soil erosion
- Creation of hazard map
- Manual of new MKFFIS
- Hazard map

2: Enhancement of Forest Management and Planning Capacity

- ◆Introduction of forest management and conservation categories
- ◆Development of forest management plan
- ◆Development of forest recovery mid-long term plan
- **♦**Law and regulations

• Guidelines and training manuals for forest management and recovery plan

3 : Enhancemet of Capacity to carry out Eco-DRR related activities

- ♦Plan and construction for forest conservation
- ◆Establishement of wind-breaks
- ◆Participation of people
- ◆Improvement of nursery
- Guidelines and manuals for forest conservation
- Guidelines and manuals for nursery techniques

4: Public Awareness

- ◆Development of Eco-DRR material
- ◆Dissemination of hazrd map
- ♦ Information sharing of project results

●Eco-DRR material

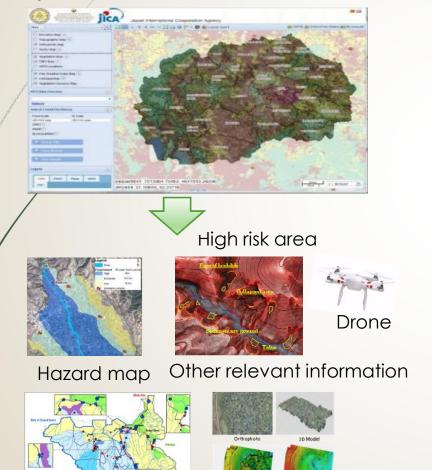
Main products

utput 1

Project on capacity building for Ecosystem-based Disaster Risk Reduction (Eco-DRR)

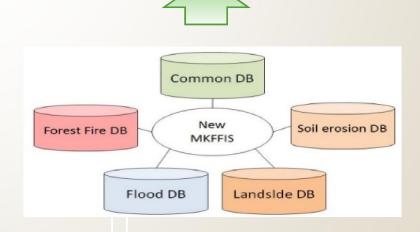


MKFFIS: Developed by previous JICA Project - Forest fires oriented



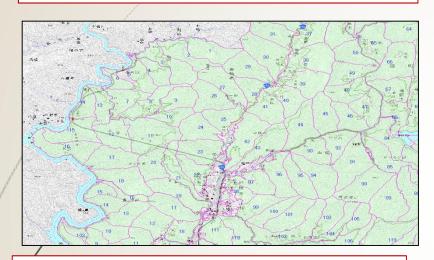
Update and expand of MKFFIS function







Current forest management plan Primarily wood production oriented

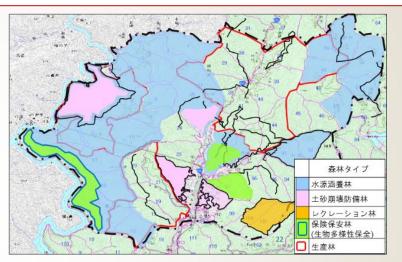


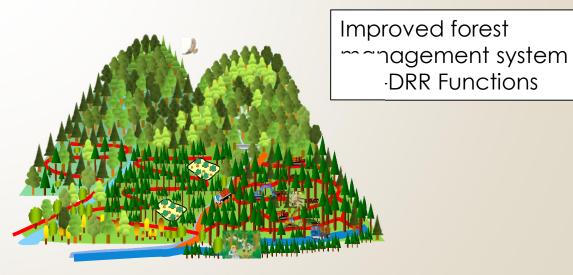
Degraded forest, Weak ecosystem functions



Land slides, soil erosion, floods

Forest management and zoning based on the Ecosystem function of forest





utput 3

Project on capacity building for Ecosystem-based Disaster Risk Reduction (Eco-DRR)

Output



Situation before activities



After Eco-DRR activities

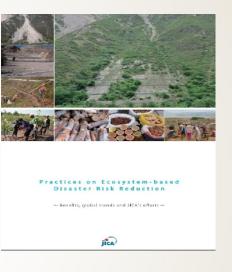


Improvement of nursery and technical transfer for nursing



- Soil erosion, Land slides, Flood control,
- Selection of suitable species

Eco-DRR material





- Disseminate Eco-DRR concept in and outside of the country,
- Eco-DRR Campaign
- Eco-DRR Concept workshop
- Facebook Homepage https://www.facebook.com/MacedoniaEc oDRR/

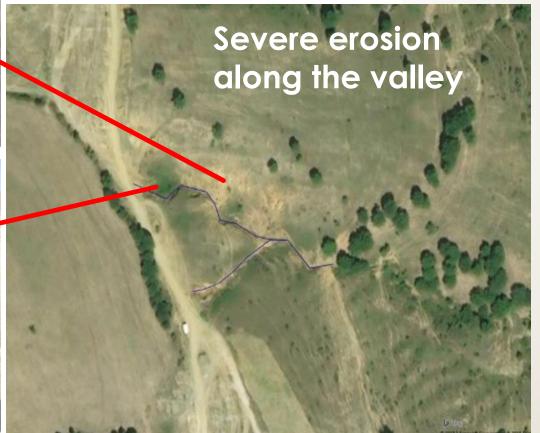




Radovish River Watershed
 Pilot Site 1











Regional Cooperation Effort in Western Balkans

- The Eco-DRR project is planning to hold a regional Eco-DRR seminar in Macedonia in Autumn 2019 and in 2022.
- We would like to invite institutions from WB6 + that are responsible for disaster prevention and forest management.
- Project team will organize preliminary visit to provide detail explanation of the seminar.
- In 2019, Project will present its initiatives in Macedonia and a project pilot site before field activities start.
- In 2022, it will present the pilot site after field activities are completed and the Eco-DRR measures are implemented.

To disseminate Eco-DRR concept in Western Balkans and discuss for disaster prevention