



SPCR NEWS-Cambodia



General Secretariat of National Council for Sustainable Development
Strategic Program for Climate Resilience (SPCR)

Department of Climate Change
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Training on Climate Change Downscaling

The Department of Climate Change under the General Secretariat of the National Council for Sustainable Development organized a training workshop on “Climate Change Downscaling” on September 4, 2017 with experts from various ministries, institution and NGOs.



This training was chaired by H.E. Prof. Dr. Sabo Ojano, Secretary of State of the Ministry of Environment and a Chairman of SPCR Coordination Team, and H.E. Choup Paris, Deputy Secretariat General of the General Secretariat of National Council for Sustainable Development and Dr. Ancha Srinivasan, Principal Climate Change Specialist, ADB.

During the opening, H.E. Prof. Dr. Sabo Ojano expressed “climate change downscaling allows sector experts to shift from the current project-by-project method of compiling climate change data and GIS analysis to a more systematic *(Continued on page 2)*

Monitoring Field Visit on the Implementation of Community Based Climate Resilience

July 12-14, 2017, Strategic Program for Climate Resilience (SPCR) led by H.E. Prof. Dr. Sabo Ojano, Secretary of State, Ministry of Environment and SPCR Coordinator visited community based climate resilience project implemented by the civil society organization. The implementation has been funded by Climate Investment Funds through ADB, MoE and Plan International. The team visited three following provinces. *(Continued on page 2)*



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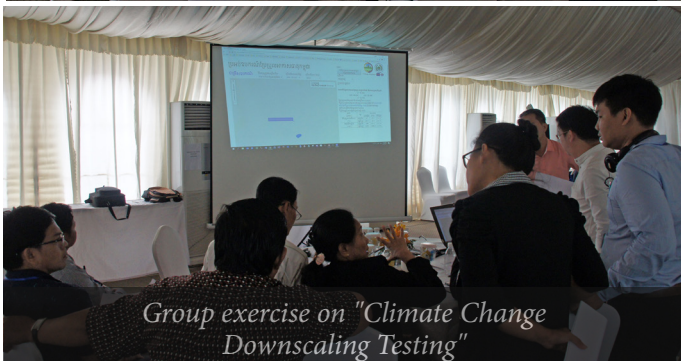
Training on climate ...

approach founded on a single information base". However, there are still some challenges of scientific data collection and it requires modern technique to project variable climate.



To present and discuss the new data including climate change projection to 2050 across Cambodia and features of the web-based GIS-based climate change decision-support tool both in Khmer and English, To discuss on which data sources can be connect to the tool of which support for vulnerability assessment of an area or a project, To conduct a trial of the tool to test and fine tune its uses and to receive feedback to improve the tool and to develop a user manual.

Dr. Srinivasan told that this toolkit to be tested by experts from various sectors both at national and sub-national level in order to manage and update database before uploaded on the website for public especially planners, policy makers and decision makers.



Monitoring field visit ...

Stung Treng Province:

- Clean water treatment at Tboung Khla village
- Meeting with commune chief, local authority and eco-tourism community chief to discuss the progress of Koh Preah commune development

Rattanakiri Province:

- Crop seedling, clean water filter, rain water harvesting storage, safety area, chicken raising and flood water measure during the rainy season in Kalim village, Team Leu village (Vern Sai district) and Ka Chuot Krom and Dal villages (Andong Meas district)



In Mondulakiri Province:

- Pump water solar and meeting with community about the progress made under this project with their suggestions in BorKoung village, Pou Chri commune, Pich Chreada district.



6th SPCR Coordination Team Meeting

The Department of Climate Change under the General Secretariat of the National Council for Sustainable Development in collaboration with SPCR implementation ministries and Technical Assistance held a meeting on July 11, 2017 in Phnom Penh.



This meeting was chaired by H.E. Prof. Dr. Sabo Ojano, Secretary of State of the Ministry of Environment and a Chairman of SPCR Coordination Team, and H.E. Choup Paris, Deputy Secretariat General of the General Secretariat of National Council for Sustainable Development and Mr. Dr. Tauch ChanKresna, Deputy Director General, Ministry of Economy and Finance to (1) Discuss of progress and issues during the last 6 months from January to June 2017, (2) Presentation on four sector-level adaptation guides prepared under TA-8179, and identifying entry points for mainstreaming climate resilience into sector planning, (3) Presentation on progress and climate mainstreaming experience in investment projects implementation, (4) Sector-level break-out group discussions on identifying priority entry points for climate mainstreaming, (5) Presentation and discussion of the progress of six feasibility studies being prepared under TA-8179, and Proposed Criteria for Ranking and (6) Plenary discussion on the progress, and opportunities for collaboration and learning between SPCR projects.

Taking this opportunity, H.E. Prof. Dr. Sabo Ojano suggested all investment projects to speed up their activities implementation in order to achieve the expected outputs due to some projects will be ended in the upcoming year especially in 2018 and 2019.

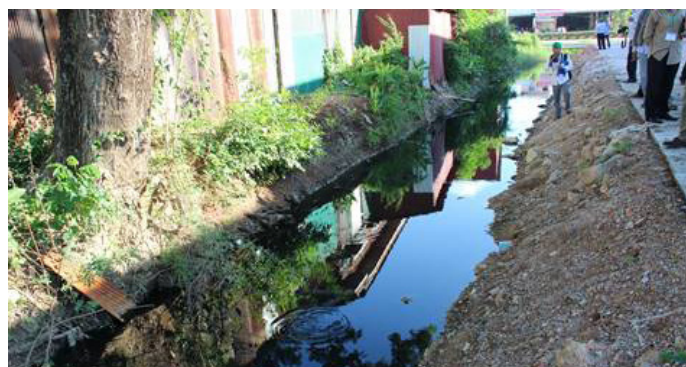


Enhancing Climate Resilient Water Resources Management in Pursat and Battambang Provinces

The Royal Government of Cambodia, through the Ministry of Water Resources and Meteorology (MOWRAM), is investing in enhancing climate resilience and reducing flood risks by rehabilitating the Damnak Chheukrom irrigation and drainage system. This canal system is located on the foothills of the Cardamom mountain range in Pursat and Battambang provinces. This area is very vulnerable to flash floods from the mountains and has experienced frequent prolonged droughts over the past ten years, with the deterioration of the irrigation and drainage system worsening these risks.



Before construction starts, technical experts from the Enhancement of Flood and Drought Management Project in Pursat Province are working with MOWRAM to develop models that project impact climate change impacts on water resources in the canal system. This information will assist engineers to prepare a design for a first phase of rehabilitation works that will reduce risks of drought and floods in Pursat province in light of future climate change scenarios. This project is financed through the Asian Development Bank with support from the Climate Investment Funds under Cambodia's Strategic Program for Climate Resilience (SPCR).



In parallel, the project is training 46 villages around the Damnak Chheukrom Canal to develop and implement Safer Village Plans. The Safer Village Plans describe the steps the community must take to *(Continued on page 5)*

Promoting Climate Change Resilience among Farmers along the Mekong River

In Plan International's target areas in Stung Treng Province, 80% of rice and crop farmers have been severely affected at some point by prolonged flooding from the Mekong River. This has caused them to lose almost all of their crops and rice production. Late rainfalls on the other hand have delayed the rice production cycle and destroyed crops, placing many farmers at financial risk.

In response to those challenges, CRDT has supported the construction of a household water supply systems in O' Mreah village, Stung Treng Province with a grant from ADB-Climate Investment Fund under the SPCR Program, and administered by Plan International's Civil Society Support Mechanism (CSSM). The community is pumping water from the nearby river to newly constructed water towers, feeding into a new piped water network. This investments has benefitted 45 households to date. The system has the potential to serve another 150 households, who will have enough water supply to meet household needs and cultivate a vegetable plot near their homes. The project has also provided capacity building to community stakeholders on climate-smart agriculture techniques (livestock raising in particular), and improving household economic security through better access to finance and promoting eco-tourism activities.



As a result, small farmers are increasing their income and improving year-round food and water availability, with positive results on children's health and education needs.

"I have been involved with project various interventions since August 2016. I often attended project activities such as monthly saving meetings, training on vegetable growing, rice planting and chicken raising, with both theoretical and practical trainings. I am really appreciative of the chicken raising skills I have learned through the project because it helps my family and others in my community get more income and food easily when we apply the techniques we were taught." Says Mrs. Phit Kunthy, a 55 year old widow from O' Mreah village.



"Previously, my chicken almost died because my raising techniques were traditional as I let my chicken go free anywhere. I had very little knowledge of how to identify disease symptoms and causes and my chicken died. I didn't know how to take care of them and apply vaccinations to protect them from diseases. Thus, I could raise only to eat and sold maximum 4-5 heads per year." (Continued on page 5)



Enhancing climate resilient ...

reduce their disaster risks, including maintaining Early Warning Systems that will monitor water levels in the canal and alert villagers when they need to evacuate.

The SPCR technical assistance Mainstreaming Climate Resilience into Development Planning is also assisting MOWRAM with technical analysis to further enhance the Damnak Chheukrom irrigation and drainage system. The MCRDP study examines the feasibility of an expansion of Damnak Chheukrom canal and its irrigation system components by rehabilitating and connecting canal sections in Battambang and Pursat provinces. MCRDP is also identifying measures to climate-proof rural roads, improve climate-resilient agriculture production and marketing, and build community resilience to climate change. Once finalized, MCRDP will assist MOWRAM to identify

adaptation funds so that improvements to climate resilient water resources management and disaster risk reduction become a reality for more communities living around the Damnak Chheukrom system.

Promoting climate change ...

“From January to July 2017, I sold 60 chickens and got an income of USD 300 (USD 3.75 per Kg), and I still have 50 chickens left in my farm after these sales. In addition, my family and I consume two to three chickens per month. In the two months, I plan to sell 20-25 more chickens during Phchum Ben Holiday, because during that time, the price rises to about USD 4.5 per Kg. In the future, I plan to improve my chicken raising and plan to sell even more chicks, thanks to better raising techniques.”

Mrs. Kunthy added that she hopes CRDT and Plan International will continue to support her village in the future, especially for other farmers who have not participated in the project yet.

Gender Mainstreaming in Climate Change Adaptation Planning

Gender mainstreaming in climate change adaptation planning is a critical element of building a more climate resilient society. Women are very vulnerable to climate change impacts. Cambodian women and men have different roles in society, production and household tasks. Consequently, women and men will not experience climate change impacts in the same way. For example, Cambodia’s high vulnerability to climate change is related to the dependence of its economy on agriculture – a sector that employs more than two-thirds of Cambodian women. Evidence also shows that Cambodian women are more adversely affected by natural disasters – women are more likely to be at home in vulnerable flood plain zones when disasters strike as men move to urban areas to find work. Being responsible for young children and the elderly, women are at greater risk during disasters. Despite women being the majority of residents in many rural communities when disasters strike, they are a small minority of those who benefit from trainings and other forums to develop disaster preparedness and response systems due to their under-representation in local government and leadership.

In order to ensure effective gender mainstreaming – and consider other social aspects of infrastructure development – the MCRDP technical assistance has undertaken a gender and social assessment as part of the feasibility studies of new investments in agricul



ture development, water resources management and climate resilient urban and transport infrastructure to be proposed for adaptation funding. The findings of this assessment were shared with concerned national and sub-national government and NGO stakeholders on September 29 2017 in Phnom Penh.

The objectives of the workshop were to:

- To present and discuss the findings of the social and gender assessment of six adaptation projects;
- To gather comments and recommendations from relevant stakeholders in order to incorporate them into the final reports of feasibility study projects; and
- To update on the next steps of reports of six feasibility study projects.



“We had a very thorough discussion on how to improve our integration of gender and social dimensions into projects to enhance climate resilient infrastructure. We will be taking back these recommendations to the respective ministries and consider how to translate the measures for gender mainstreaming into concrete activities that will improve the concept notes that we will submit to international adaptation funds,” stated H.E. Prof. Dr. Sabo Ojano, Secretary of

State, Ministry of Environment and SPCR Coordinator. “We are continuously promoting more effective methods for adaptation planning and this workshop on gender-responsive approaches has brought more good practices to apply for climate resilient infrastructure development planning in Cambodia.”

Upcoming Activities

**2-8
October**

Visit of Zambia PPCR and CIF Delegation in Cambodia

**3-4
October**

Conference on Community-based Disaster Risk Management and Adaptation

**20
October**

Adaptation Project Feasibility Study Consultation Workshop in Preah Sihanouk Province

**20
November**

Roundtable Meetings with SPCR ministries for mid-term Assessment

**12
December**

7th SPCR Coordination Team Meeting and Launch Event of Climate Change Adaptation Guides and Case Studies of Climate Resilience

**14-15
December**

Mid-term Review for TA819



For more information:

H.E. Prof. Dr. Sabo Ojano, Secretary of State and Program Coordinator

Mr. Meas Sophal, Project Director

Mr. Ou Chantearith, Project Manager

General Secretariat of National Council for Sustainable Development
Department of Climate Change

Morodok Techo building, lot No. 503, Sangkat Tonle Bassac, Khan Chamkar Morn,
Phnom Penh, Cambodia.

Tel: +855 23 5314 777

Email: adbsperta8179@gmail.com

Website: www.spcrcambodia.org