

## WORKSHOP REPORT

**Project Title: Strengthening the capacity of officials on Integrated Flood Management Plans (IFMP): Integrating IFMP into provincial disaster prevention plans in coastal provinces of Central Vietnam**



Quang Nam, 2023

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**Project Title: Strengthening the capacity of officials on Integrated Flood Management Plans (IFMP): Integrating IFMP into provincial disaster prevention plans in coastal provinces of Central Vietnam**

## **Project Leader**

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## **Contributors**

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**Quang Nam, 2023**

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## Abbreviation

APN	Asia-Pacific Network for Global Change Research
MARD	Ministry of Agriculture and Rural Development
VNU	Viet Nam National University
CEFD	Center for Environmental Fluid Dynamics
IFMP	Integrated Flood Management Plans

## Preface

In Vietnam, under the effect of climate change, natural disasters, especially storms and floods, cause more and more damage. Although Vietnam has been active in flood management, these solutions are mainly localized, fragmented, unsystematic or short-term, and may cause more severe flooding to nearby areas. Therefore, there is a need for a different approach. IFMP is an integrated management with the aims to maximize the benefits of floodplains and minimize flood damage with a watershed and multisectoral approach. Recognizing the necessity of IFMP, Center for Environmental Fluid Dynamics, VNU University of Science, Vietnam National University organized training for officials with an aim to enhancing efforts in providing support to the officials through tailored research activities; enhancing efforts in providing capacity development to the officials that meet their specific needs by organizing training; and creating holistic and transdisciplinary capacity development activities on IFMP. After the CEFD training session, a workshop on inter-provincial/inter-district cooperation was organized to exchange the advantages and difficulties of localities in building IFMP.

The workshop for local officials of agencies such as: Provincial Steering Committee for Disaster Prevention and Search and Rescue, District Steering Committee for Disaster Prevention and Search and Rescue and other relevant departments and agencies. The presentations received attentions and appreciation as well as the fruitful comments of the experts and representatives from local agencies. The workshop was successfully organized in April 2023, in Quang Nam, Viet Nam.

Taking this opportunity, Center for Environmental Fluid Dynamics would like to express sincere thanks to APN for their generous support and to all participants for their active and constructive comments to the workshop.

## Organization of the workshop

### Objective

- (i) Discuss on current status of flood control measures at the local level, integrating IFMP into the provincial disaster management plan and the role of departments.
- (ii) Discuss on the advantages and challenges during the process of developing IFMP,

### Date of workshop

18 April 2023

### Venue

Ban Thach hotel,  
No.10 Bach Dang, Tan Thanh Ward, Tam Ky City, Quang Nam, Viet Nam.

### Organizer

Center for Environmental Fluid Dynamics (CEFD), VNU University of Science,  
Vietnam National University.

### Supported by

Asia-Pacific Network for global Change Research (APN).

## 1. Introduction

CEFD organized inter-provincial/ intra-provincial cooperation connection workshop to discuss the following topics:

- The current status of flood control measures at the local level, the advantages of integrated flood management and the role of departments in building IFMP;
- Orientation on integrating IFMP into the provincial disaster management plan and the role of departments in this integration process;
- Discussions on advantages, difficulties, and solutions to overcome these difficulties.

A workshop for local officials of agencies: Provincial Steering Committee for Disaster Prevention and Search and Rescue, District Steering Committee for Disaster Prevention and Search and Rescue and other relevant departments and agencies was held at Ban Thach hotel in Quang Nam on 18 April 2023.

## 2. Objectives of the workshop

The general objective of the workshop was to discuss and promote inter-provincial cooperation in developing IFMPs for inter-provincial basin and intra-provincial cooperation between different sectors.

The specific objectives of the workshop were to:

- (i) Discuss on current status of flood control measures at the local level, integrating IFMP into the provincial disaster management plan and the role of departments.
- (ii) Discuss on the advantages and challenges during the process of developing IFMP,

## 3. Workshop agenda

Workshop agenda is detailed below:

<b>Time</b>	<b>Contents</b>	<b>Responsibility</b>
	<b><i>Morning (8:00 – 11:00)</i></b>	
8:00 – 8:30	Opening remarks and introduction of delegates	Dr. Le Minh Nhat
8:30 – 9:00	The current status of flood control measures at the local level, the advantages of integrated flood management and the role of departments in building IFMP	Dr. Le Minh Nhat
9:00 – 11:00	Orientation on integrating IFMP into the provincial disaster management plan and the role of departments in this integration process	MSc. Dang Dinh Duc
	<b><i>Evening (14:00 – 17:00)</i></b>	
14:00 – 16:30	Discussions on advantages, difficulties and solutions to address these difficulties	The consultant and delegates
16:30 – 17:00	Closing remarks	Dr. Le Minh Nhat

#### 4. Workshop Participants

The workshop was attended by representatives from the following organizations:

- Dr. Le Minh Nhat, Head of the Representative Office of Viet Nam Disaster and Dyke Management Authority in Central and Central Highlands Regions.
- Representatives of CEFD consultant: Assoc. Prof. Tran Ngoc Anh - Project leader, MSc. Dang Dinh Duc, Dr. Nguyen Quoc Son, MSc. Pham Thi Tuyet May, Ms. Nguyen Hong Thuy.
- Representatives of Steering Committee for Disaster Prevention and Search and Rescue of Quang Nam Province: Mr. Pham Quang Dong, Deputy Chief of the Office.
- Representatives from various departments: Department of Agriculture and Rural Development, Department of Natural Resources and Environment, Department of Planning and Investment, Department of Finance, Department of Transportation.
- Representative of Military Command of Quang Nam Province.
- Representative of Quang Nam Provincial Hydro-Meteorological Station.
- Representatives of Steering Committee for Disaster Prevention and Search and Rescue of districts, towns, and cities: Tam Ky, Hoi An, Dien Ban, Hiep Duc, Nong Son, Duy Xuyen, Dai Loc, Thang Binh, Que Son, Nui Thanh, Phu Ninh.

List of Participants:

No	Full name	Position/Organization
1	Tran Thi Tu Anh	Division of Agriculture and Rural Development of Nong Son District
2	Tran Huu Tuy	Provincial Military command
3	Truong Hiep	Central Region Representative Office
4	Bui Trinh Minh Duc	Department of Planning and Investment
5	Phan Dinh Duy Phu	Division of Agriculture and Rural Development of Duy Xuyen District
6	Mai Thanh Son	Division of Agriculture and Rural Development of Hiep Duc District
7	Dinh Ngoc Binh	Department of Transportation
8	Nguyen Trong Quy	Department of Finance
9	Nguyen Dinh Huon	Provincial Hydro-Meteorological Station
10	Vu Van Tinh	Provincial Hydro-Meteorological Station
11	Le Dinh Tuong	Economic Division of Hoi An city
12	Do Thi Phuong	Steering Committee for Disaster Prevention and Control, Search and Rescue of Quang Nam province
13	Nguyen Thanh Cao	Steering Committee for Disaster Prevention and Control, Search and Rescue of Quang Nam province



<b>No</b>	<b>Full name</b>	<b>Position/Organization</b>
14	Rich Dai Phon	Department of Natural Resources and Environment
15	Nguyen Phi Hong	Economic Division of Dien Ban Town
16	Huynh Thanh Quoc	Division of Agriculture and Rural Development of Que Son District
17	Pham Tan	Steering Committee for Disaster Prevention and Control, Search and Rescue of Quang Nam province
18	Le Thi Anh Dao	Steering Committee for Disaster Prevention and Control, Search and Rescue of Quang Nam province
19	Nguyen Tan Nam	Division of Agriculture and Rural Development of Thang Binh District
20	Truong Thi Thuy Trang	Steering Committee for Disaster Prevention and Control, Search and Rescue of Quang Nam province
21	Vo Thi Ly	Steering Committee for Disaster Prevention and Control, Search and Rescue of Quang Nam province
22	Huynh Tan Hoang	Steering Committee for Disaster Prevention and Control, Search and Rescue of Quang Nam province
23	Nguyen Thi Van Lan	Steering Committee for Disaster Prevention and Control, Search and Rescue of Quang Nam province
24	Pham Van Thanh	Steering Committee for Disaster Prevention and Control, Search and Rescue of Quang Nam province
25	Le Van Hiep	Division of Agriculture and Rural Development of Nui Thanh District
26	Nguyen Hong Nhuong	Steering Committee for Disaster Prevention and Control, Search and Rescue of Quang Nam province
27	Trinh Ngoc An	Division of Agriculture and Rural Development of Phu Ninh District
28	Le Cong Duan	Steering Committee for Disaster Prevention and Control, Search and Rescue of Quang Nam province
29	Pham Quang Dong	Steering Committee for Disaster Prevention and Control, Search and Rescue of Quang Nam province
30	Nguyen Huu Thanh	Steering Committee for Disaster Prevention and Control, Search and Rescue of Quang Nam province
31	Ha Thuy Linh	Steering Committee for Disaster Prevention and Control, Search and Rescue of Quang Nam province
32	Truong Xuan Ty	Steering Committee for Disaster Prevention and Control, Search and Rescue of Quang Nam province

## 5. Conduct of the workshop

In the opening remarks, Dr. Le Minh Nhat introduced key participants, emphasized the objectives of the workshop.



Figure 1. Dr. Le Minh Nhat, Representative Office of Viet Nam Disaster and Dyke Management Authority in Central and Central Highlands Regions, MARD, makes the welcome speech

In the first presentation, Dr. Le Minh Nhat presented the current status of flood control measures at the local level, the advantages of integrated flood management and the role of departments in building IFMP.



Figure 2. Dr. Le Minh Nhat, MARD, presents Developing/updating IFMP

In the second presentation, MSc. Dang Dinh Duc presented integrating IFMP into the provincial disaster management plan and the role of departments in this integration process.



Figure 3. MSc. Dang Dinh Duc, CEFD, presents Integrating IFMP into the provincial disaster management plan

In the discussion: the consultant and participants discussed the advantages, challenges in the process of developing IFMP, integrating IFMP into the provincial disaster management plan and the role of departments.

- Natural disasters in Quang Nam province often occur at extremely dangerous times: at night or early morning. This combines with dense river systems, short and steep rivers, and heavy rains make the monitoring and tracking of natural disasters very difficult.

- The development of plans and strategies related to natural disaster prevention has mainly been carried out by specialized agencies, with little participation from departments and sectors. IFMP is a new approach that can encounter difficulties in the coordination process among departments and sectors. The Representatives of Steering Committee for Disaster Prevention and Search and Rescue of Quang Nam Province hopes that the workshop will be a prerequisite for departments to understand their roles in developing IFMP and integrating IFMP into the natural disaster prevention plan.



*Mr. Pham Quang Dong, Deputy Chief of the Office, Steering Committee for Disaster Prevention and Search and Rescue of Quang Nam Province*



*Mr. Rich Dai Phon, Department of Natural Resources and Environment*

- IFMP is one of the tasks that need to be implemented and has been prescribed in several legal documents. This creates favorable conditions for the province to propose projects and allocate funding.

- The Department of Natural Resources and Environment manages water resources in Quang Nam province, where there are many reservoirs and irrigation systems. According to statistical data, the annual total surface water volume is about 21 billion m<sup>3</sup>, but reservoirs capacity is not enough to regulate floods. The Department of Natural Resources and Environment advises the Ministry of Natural Resources and Environment and the Provincial People's Committee on issues related to the operation process of reservoirs. The single reservoir operation is led by the Ministry of Industry and Trade or the Department of Industry and Trade, the multi-reservoir system operation is led by the Department of Natural Resources and Environment. They will jointly adjust and consider issuing the most optimal process, minimizing negative impacts to the downstream area.

- Through the knowledge that Mr. Son has gained from the workshop, he has realized that IFMP is developed using the river basin and multi-disciplinary approach. This is a new method and approach, so it requires more time for research and developing IFMP.

- The operation process at the hydroelectric reservoirs is currently not following the official procedures. The reservoirs are still discharging water while the flood is coming, which causes serious risk to the flood control. Mr. Son hopes that this conference will have an impact on the reservoir owners to come up with more suitable solutions.

- During natural disasters, the transmission of information to the public is challenging due to power outages, internet disruptions, and radio station outages. Recently, there have been SMS notifications, but this solution is not comprehensive.



*Mr. Mai Thanh Son, Division of Agriculture and Rural Development of Hiep Duc District*



*Mr. Nguyen Dinh Huan, Quang Nam Provincial Hydro-Meteorological Station*

In Quang Nam province, there is the Vu Gia - Thu Bon river basin which is a large interprovincial river basin. Development of an IFMP requires close cooperation between Quang Nam and Da Nang provinces, and in my opinion, this is also a major challenge.

Finally, Dr. Le Minh Nhat briefly summarized what had been discussed during the workshop, and thanked all participants for their participation, especially those who contributed to the presentations and discussions.

## 6. Conclusion

After finishing the discussion, representatives of Viet Nam Disaster and Dyke Management Authority, representatives of the Steering Committee for Disaster Prevention and Control, Search and Rescue of Quang Nam province, the Consultant and delegates come to an agreement on the following:

- The process of developing and implementing IFMP is a collaborative effort that involves multiple sectors and fields, because IFMP employs a multi-disciplinary approach, community participation, support from policies and mechanisms in flood management and proposing solutions through consultations with many departments and agencies. Therefore, the departments and agencies need to clearly understand their roles and make effective contributions in managing flood risks in their localities;



- The issue related to the operation of reservoirs is a matter of great concern to the province, and it may be a very important solution to consider in the process of developing IFMP for the province's river basins;

- For inter-provincial river basins such as the Vu Gia-Thu Bon river, there needs to be more coordination between Quang Nam and Da Nang in the development of IFMP.