



2008 ANNUAL REPORT

CAPACITY BUILDING IN ASSESSING AND MANAGING WATER
RESOURCES PROGRAM
VIETNAM

VIE 07 034 11

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List of abbreviations

BTC	Belgian Technical Cooperation
ADB	Asian Development Bank
BGR	Bundesanstalt für Gewissenshaften und Rohstoffe
BMZ	Bundesministerium für wirtschaftliche Zusammenarbeit und Entwicklung
BMBF	Bundesministerium für Bildung und Forschung
CEMDI	Centre for Environmental Monitoring, Data and Information
CWRPI	Centre for Water Resource Planning and Investigation
CWRMF	Centre for Water Resource Monitoring and Forecast
DWRM	Department of Water Resource Management
DoNRE	Department of Natural Resources and Environment
DANIDA	Danish International Development Assistance
FIT	Financial Information Tool
IWRM	Integrated Water Resource Management
MoNRE	Ministry of Natural Resources and Environment
NEX	National Execution
NTP	National Target Program
MARD	Ministry of Agriculture and Rural Development
MoC	Ministry of Construction
MPI	Ministry of Planning and Investment
KfW	Kreditanstalt für Wiederaufbau
PC	Peoples Committee
PMU	Project Management Unit
RAME	Research Association Mining and Environment in Vietnam
SC	Steering Committee
TFF	Technical and Financial File
VINACOMIN	Vietnam National Coal and Mineral Industries Group
WR	Water Resources

1 PROJECT SHEET

Title: *Strengthening the capacity within Vietnam for the assessment and management of water resources as a basis for rural water supply for poverty reduction*¹

Chronology and documents:

15/01/2008 Notification to BTC of the signed Implementation Agreement
20/12/2007 Signature of the Implementation Agreement
18/12/2007 Signature of the Specific Agreement
07/12/2007 Sending complete file to DGD headquarters
04/12/2007 Approbation of TFF by JLCB
13/11/2007 Approval by the Quality Control Committee (QCC)
23/05/2007 Notification of the approbation of the identification

Objectives:

To strengthen institutional arrangements and build capacity within MoNRE and its provincial and district bureaus in order to support the strategic investigation and management of regional water resources for efficient development so as to reach the Vietnamese Development Goals.

Specific objectives:

- The strategic water resources' planning is improved.
- The protection of water resources is improved.
- Public awareness about the protection of water resources is improved.
- MoNRE/DoNRE's staff capacity in water resources management is increased.

Location:

Department of Water Resource Management (DWRM), 68 Bui Thi Xuan, Hanoi, Vietnam

Target groups:

- Ministry of Natural Resources and Environment (MoNRE),
- Department of Natural Resources and Environment and provincial (DoNRE)
- The population in the seven pilot provinces.

Finance:

Regie budget: 893.600 €

National Execution budget: 3.106.400 €

Key Contacts:

PMU: Dr. Thai Lai (Director), Mr Khuyen (Coordinator), Mr Hao (Secretary), Mrs Huong (Accounting); Mr Deprez (BTC Representative), Mrs Van Anh (BTC PO)

¹ However this is not the correct program title and should be updated in FIT and PIT, using the same title, given in the TFF: “**Capacity Building in Assessing and Managing Water Resources Program**”

Project description

Due to the social-economic development, rapid urbanization and industrialization Vietnam is going through a fast increase of the demand on water resources in all sub-sectors, like irrigation, water supply, industrial and agriculture production, but also in transport and recreation, etc.

The demand for water for domestic and industrial purposes is vastly increasing; surface water resources, such as rivers, lakes, streams have been polluted as industrial, agricultural, aquacultural and domestic waste are being discharged to the water bodies without treatment; ground water resources are affected by excessive exploitation or inadequate protection of aquifers due to the millions of poorly constructed and maintained tube wells of the last few decades.

The result is an increasing competition for water resources between all stakeholders and the conflicts of interest related to that.

At the same time, because of global warming and climatic changes the country faces numerous water related problems, such as typhoons, flooding and drought and climate-change and other environmental related effects

For this reason the present program main targets are focused on the enhancement of an effectively management of the water resources and on the empowerment of local frameworks in IWRM, the strengthening of capacity on central and local level, and rising up the public awareness about the value of water.

Expected results of the project

- Result 1: A comprehensive ground and surface water resource assessment carried out in 7 provinces
- Result 2: An interactive database operational at MoNRE and 7 DoNRE's
- Result 3: The IWRM concept, including decision-making protocol, developed and pilot tested in selected provinces
- Result 4: A water resource development and protection plan developed in 7 provinces
- Result 5: CEMDI's water resource and environmental monitoring system applied in 7 provinces
- Result 6: Public awareness campaigns implemented in each of the 7 provinces
- Result 7: A series of staff training courses implemented in key WRM areas

2 BRIEF FACTUAL OVERVIEW

The present Program started with the inception phase in November. One of the main challenges is the implementation of the National Execution (NEX) modalities, which is new for the BTC and also for the national counterpart (MoNRE).

Structural changes in the MoNRE 2007-2008

During the year 2008 the MoNRE went through a reconstruction and new organization of their departments and working units.² These changes have a direct effect on the present program. For example, the cancellation of the “CEMDI” (Centre for Environmental Monitoring, Data and Information) has an impact to all activities linked to the data assessment, monitoring and the capacity building in the field of data management. The CEMDI was not directly replaced, so especially the result No. 5 of the TFF (“CEMDI’s water resource and environmental monitoring system applied in 7 provinces”) will have to be redefined.

At the end of 2008 the Prime Minister released the Decree “On river basin management”³, which is a good indication for the importance of the theme of IWRM and will help to implement the program activities.

Also there have been created in 2007 and in 2008 the *Centre for Water Resource Planning and Investigation* (CWRPI) and the *Centre for Water Resource Monitoring and Forecast* (CWRMF) in the MoNRE. Many of the actual Program Results and Activities are the legal duty, task, power and function of the CWRMF⁴.

So the main challenges for 2009 will be the accomplishment of the Program in order of the application of NEX modalities and the harmonization of the implementation respecting the new structure and functions of the Departments in the MoNRE.

² Decree on functions, tasks, power, and organization structure of the Ministry of Natural Resources and Environment, Ref: 25/2008/ND-CP, 04. March 2008

³ Decree On river basin management, Ref: 120/2008/ND-CP, 01. December, 2008

⁴ See in the appendixes the decisions of duties of the DWRM, CWRPI and CWRMF

3 OVERVIEW OF ACTIVITY PLANNING

3.1. Activity overview

November 2008: Assessing general conditions. Presenting the CTA, the Program Targets to the PMU of the DWRM and establish the Office in the DPWR.

December 2008: Starting with the recruitment of the two national staff (secretary/translator and a national Water Resource Expert) and assessing existing institutional framework like international and national stakeholders and donors (ADB, DANIDA, Worldbank, BGR, GTZ, KfW, BMBF, RAME, VINACOMIN, Research Project IWRM – Vietnam, etc.) and establish the Program Management Unit.

Existing Framework:

The mayor players in the field of IWRM are:

The ADB (water sector and water law review), located in the DWRM; BGR (“Improvement of Groundwater Protection, Viet Nam”), located in Ministry of Mining and Geology, in cooperation with the CWRPI. The BMBF, the academically support of the MoNRE (including the DWRM) and related institutions. DANIDA is executing a program in the MoNRE (“Pollution Control”), where water management is an issue and they have a TA active in the DWRM, supporting the River basin management in one Province.

Unfortunately Vietnam suffers the lack of coordination of the activities and cooperation in the water sector. The group around the national company VINACOMIN and RAME are trying to act like a coordination platform in IWRM. They work very close with German Education Ministry (BMBF) and German Universities (Bochum, Cologne).

The GTZ, CIM, DED and KfW are focused in Water Sanitation in cooperation with the MoC. UNDP and Worldbank are mainly working in the field of Climate Change.

3.2. Analysis of activity planning

Because the program started in late 2008, there are no program activities executed.

4. FINANCIAL OVERVIEW

4.1. Overview of expenditure versus financial planning

Except of the expenses for the TA installation, there were no expenses or financial planning in 2008.

4.2. Analysis of financial planning

Not/Applicable

5. MONITORING OF THE INDICATORS

5.1. Specific objective

N/A

5.2. Results

N/A

5.3. Indicator evolution (chart)

N/A

6. ASSESSMENT OF MONITORING CRITERIA

6.1. Efficiency

N/A

6.2. Effectiveness

N/A

6.3. Sustainability

N/A

7. MEASURES AND RECOMMENDATIONS

7.1. Overview of the assessment criteria

N/A

7.2. Recommendations

N/A

8. PLANNING FOR THE UPCOMING YEAR (YEAR N+1)

8.1. Activity planning year N+1

1. Activity: Prepare detailed Plans and Guidelines for the ground- and surface water assessment

First step of this activity is preparing an overall concept paper for the assessment of the water resources which explains and contains all the needed parameter and necessary information for the recollection and that assessment. Also is needed the elaboration of a Guideline in form of a step-by-step prescription, to explain comprehensibly which are the necessary activities to execute the assessment.

2. Activity: Conduct comprehensive ground- and surface water assessment in 7 provinces

Sub-activities:

Executing an Inception Workshop and prepare a baseline study in the 7 provinces

This study has to elaborate the baseline to draw out, from which point the program is starting. In the seven provinces and on central level has to be analysed which equipment is installed, the capacity of the technical staff, which actual data and databases are available and used. It is necessary to analyze in which conditions is the counterpart and related institutions.

Also should be executed an Inception Workshop, in participating with all 7 provinces, the involved departments of the MoNRE, related Ministries and other cooperation's, which are working on the same results or provinces (for example BGR and the BMFB IWRM program).

Acquire equipment for the assessment in the 7 provinces

The above mentioned baseline study will draw out the picture of the installed equipment and the available data's in the DoNRE's and central ministry. It is very likely that for the most of the seven provinces the program has to acquire minimum equipment for a basis water quantity and water quality to execute the planed water resource assessment.

Accompaniment, supervision, reports and reviews of the assessment

Especially during the process of the conduction of the data assessment, the provinces need a comprehensive supervision and accompaniment.

3. Activity: Design of an interactive database

Sub-activities:

Execute Workshops for the definition of the Database

After the data interchange agreement (see activity No 7), the definition of the database structure could be initialized. Very important is to identify the parameters, units and information which should enter in the database. The definition should be organized with workshops of all involved technicians, to aim a high grade of participation in this process.

Creation of the Database

To improve the water resource management, environmental protection and for the implementation of an IWRM it is indispensable to create a central, structured and modern database, developing a comprehensive GIS-based program.

It is recommended to design first stand-alone database, which can be installed separately on PC/Notebook and has a simple user interface. This database system should be used for the assessment and recollection of the available data's in the different provinces.

Creation of the interactive hydro GIS System with a graphic user interface

The development of this interactive system (Hydrological Environmental Information System), which is the user interface to the structured database, can take place when the central database is programmed, installed on the central server and some data's are transferred. The creation is a very dynamic process and needs a high participation of all mayor players and a high professional, senior expert in informatics, environmental systems and hydrogeology.

4. Activity: Setting up the IWRM institutional framework in one inter-provincial river basin

The Result 3 has the goal to develop and implement a concept for integrated water resource management in the provinces with common river (sub) basin, which includes tools to support the responsible organisations in integrated river basin management and taking decision related to managing, development and protection of the rivershed.

The most important target of this result is the setting-up of a functioning and sustainable operating institutional framework for IWRM in two pilot provinces. Therefore it is also necessary to elaborate a strategy and concept paper, adapted to the new Decree for River Basin Management, like the guideline for the implementation of IWRM, which supports the establishment of the river basin organisation framework on local level.

Important is to analyse in the pilot provinces the actual existing legal structures, the local institutional arrangements and capacity and existing work volume of the competent institutions, related to water resource management.

5. Activity: Developing and documenting the IWRM concept

The concept paper of the IWRM should be elaborated in participation with all stakeholders in the sector. it is as important to have the input of all participating provinces as the experience of other international cooperation's and institutions, working in the IWRM. Existing concept paper should be recognized and could form the basis for the adaptation to the national and local demands.

6. Activity: Carry out analyses using primary and/or secondary data

This activity reflects the preoccupation of the fast rising demand of water in the various sub-sectors. To guarantee a sustainable water management strategy, the DoNRE's need to analyze of the disposability of the present water resources in quantity and quality and further more a plan or tool to estimate the demand and availability of the water resources in the future.

It has to be developed an analyse about the WR for the different sub sectors and based on this analyse should be elaborated in a future activity the IRWM Plan for the water use in each province, including tools to calculate water use licenses.

7. Activity: Establish effective institutional arrangements on data sharing and other necessary cooperation

It will be necessary to elaborate an agreement between all mayor players in the field of data collection, data interchange and data assessment of the water recourse related data's, to assure that there will be a free access and a fluid inter-change of information and also to define the different competitions in the field of water resource data management.

8. Activity: Public awareness campaigns implemented in 7 provinces

- Prepare overall approach and guidelines to plan and conduct awareness campaigns

The first step should be the assessment and determination of demand and needs in each province DoNRE for their public campaigns. Due to the available budget and timeline there have to be defined which are the priority themes, related to water resource management, target groups, available medians, possible cooperates and private sector who could take part as sponsor in the campaigns, existing networks and frameworks and coordinate the campaign as a coherently action for the river basin, especially in the provinces, which forms part of one rivershed.

9. Activity: A series of staff training courses implemented in key IWRM areas; Sub-activities:

- Assessing training needs and developing comprehensive staff training plan

- Organise training programs

It is from crucial necessity to elevate in the first step the knowledge about the capacity needs in the Ministries on local and central level.

The planed trainings should be related to key functions in Water Recourse Management. Based on the assessment and training plan, the staff training should be understand as an ongoing process, during the whole program live, which will be campaigned by staff training evaluations.

First training activities could be executed in 2009, depending on the plan and staff disposability.

8.2. Financial planning year N+1

Display Desc	LineFinM	Budget	Expenses	Total	Y1P1	Y1P2	Y1P3	Y1P4	cY1Tot	BalY2ToEn
A To improve strategic water resources management		1.397,0	0,0	1.397,0	5,0	120,0	107,0	263,0	495,0	902,0
01 Comprehensive ground-and surface water assessment		1.217,0	0,0	1.217,0	5,0	95,0	80,0	246,0	426,0	791,0
01 Prepare detailed plans and guidelines for groundwater	COGEST	55,0	0,0	55,0	0,0	35,0	20,0	0,0	55,0	0,0
02 Conduct comprehensive ground-and surface water assessment	COGEST	1.162,0	0,0	1.162,0	5,0	60,0	60,0	246,0	371,0	791,0
02 An interactive WR database operational at Mox		130,0	0,0	130,0	0,0	15,0	12,0	12,0	39,0	91,0
01 Design the interactive database	COGEST	60,0	0,0	60,0	0,0	15,0	12,0	12,0	39,0	21,0
02 Establish the database in each project province	COGEST	70,0	0,0	70,0	0,0				0,0	70,0
03 The IWRM concept developed and pilot tested		50,0	0,0	50,0	0,0	10,0	15,0	5,0	30,0	20,0
01 Setting up the IWRM institutional framework	COGEST	20,0	0,0	20,0	0,0	10,0	10,0		20,0	0,0
02 Developing and documenting the IWRM concept	COGEST	10,0	0,0	10,0	0,0	0,0	5,0	5,0	10,0	0,0
03 Applying the IWRM concept	COGEST	20,0	0,0	20,0	0,0	0,0	0,0	0,0	0,0	20,0
B To improve the development and protection of water resources		1.183,0	0,0	1.183,0	0,0	5,0	30,0	35,0	70,0	1.113,0
01 A water Resources Development and Protection Strategy		336,0	0,0	336,0	0,0	0,0	15,0	20,0	35,0	301,0
01 Carry out analyses using primary and/or secondary data	COGEST	140,0	0,0	140,0	0,0		15,0	20,0	35,0	105,0
02 Prepare WR Development and Protection Strategy	COGEST	175,0	0,0	175,0	0,0	0,0	0,0	0,0	0,0	175,0
03 Organise workshop(s) for the relevant provinces	COGEST	21,0	0,0	21,0	0,0	0,0	0,0	0,0	0,0	21,0
02 CEMDI's water resource and environmental management		847,0	0,0	847,0	0,0	5,0	15,0	15,0	35,0	812,0
01 Establish effective institutional arrangements	COGEST	35,0	0,0	35,0	0,0	5,0	15,0	15,0	35,0	0,0
02 Facilitate the installation of the monitoring equipment	COGEST	770,0	0,0	770,0	0,0	0,0	0,0	0,0	0,0	770,0
03 Train staff in environmental monitoring using equipment	COGEST	21,0	0,0	21,0	0,0	0,0	0,0	0,0	0,0	21,0
04 Facilitate the analysis and reporting of water quality	COGEST	21,0	0,0	21,0	0,0	0,0	0,0	0,0	0,0	21,0
C To improve public awareness about the protection of water resources		175,0	0,0	175,0	0,0	0,0	10,0	13,0	23,0	152,0
01 Public awareness campaigns implemented in the provinces		175,0	0,0	175,0	0,0	0,0	10,0	13,0	23,0	152,0
01 Train DoNRE staff in the approach and guidelines	COGEST	35,0	0,0	35,0	0,0	0,0	0,0	0,0	0,0	35,0
02 Prepare a provincial campaign plan including training	COGEST	35,0	0,0	35,0	0,0	0,0	10,0	13,0	23,0	12,0
03 Implement provincial campaigns	COGEST	105,0	0,0	105,0	0,0	0,0	0,0	0,0	0,0	105,0
D To increase MoNRE/DoNRE's staff capacity in water resources management		200,0	0,0	200,0		20,0	20,0	10,0	50,0	150,0
01 To increase MoNRE/DoNRE's staff capacity in the provinces		200,0	0,0	200,0		20,0	20,0	10,0	50,0	150,0
01 A series of staff training courses implemented in the provinces	COGEST	200,0	0,0	200,0		20,0	20,0	10,0	50,0	150,0
X Contingency		151,4	0,0	151,4	0,0				0,0	151,4
01 Contingency		151,4	0,0	151,4	0,0				0,0	151,4
01 Contingency	COGEST	151,4	0,0	151,4	0,0				0,0	151,4
Z General means		893,6	0,0	893,6	40,9	47,0	44,0	69,0	200,9	634,1
01 Personnel		560,4	0,0	560,4	35,3	39,9	39,9	39,9	155,0	346,8
01 CTA	REGIE	450,0	0,0	450,0	33,0	33,0	33,0	33,0	132,0	264,0
02 National Technical Advisor	REGIE	86,4	0,0	86,4	1,8	5,4	5,4	5,4	18,0	64,8
03 Translator cum secretary	REGIE	24,0	0,0	24,0	0,5	1,5	1,5	1,5	5,0	18,0
02 Office Equipment		15,0	0,0	15,0	0,0	3,0	2,0	2,0	7,0	8,0
01 Equipment IT	REGIE	15,0	0,0	15,0	0,0	3,0	2,0	2,0	7,0	8,0
03 Operational means		43,2	0,0	43,2	5,6	4,1	2,1	2,1	13,9	29,3
01 Local transportation	REGIE	24,0	0,0	24,0	2,0	1,5	1,5	1,5	6,5	17,5
02 Communication	REGIE	9,6	0,0	9,6	0,1	0,6	0,6	0,6	1,9	7,7
03 Office stationary	REGIE	9,6	0,0	9,6	3,5	2,0	0,0	0,0	5,5	4,1
04 Monitoring and evaluation		275,0	0,0	275,0	0,0	0,0	0,0	25,0	25,0	250,0
01 Mid-term review and final evaluation	REGIE	75,0	0,0	75,0	0,0	0,0	0,0	0,0	0,0	75,0
02 External Auditing	REGIE	200,0	0,0	200,0	0,0	0,0	0,0	25,0	25,0	175,0

Financial Planning Version : VIE0703411-NEW

Budget Version: VIE0703411C01
 Budget Currency: EUR
 Start Project: 2007 Q 3
 Duration (months): 37

Amounts in 1000 EUR

Output to... Save Recalc Quit

- Financial Planning - Overview
- Financial Planning - Total to Quarter
- Financial Planning - Details by Quarter

2009

1	2	3	Status	Fin. mode	Budget	Tt Y-1	Balance	Commitments	Avail.	Q1	Q2	Q3	Q4	TOTAL
A To IMPROVE STRATEGIC WATER RESOURCES MANAGEMENT			x		1.397,00	0,00	1.397,00	0,00	0,00	5,00	120,00	107,00	263,00	495,00
01 Comprehensive ground-and surface water assessment carried			x		1.217,00	0,00	1.217,00	0,00	0,00	5,00	95,00	80,00	246,00	426,00
01 Prepare detailed plans and guidelines for ground-and surface			x	COGEST	55,00	0,00	55,00	0,00	0,00		35,00	20,00		55,00
02 Conduct comprehensive ground-and surface water assessment			x	COGEST	1.162,00	0,00	1.162,00	0,00	0,00	5,00	60,00	60,00	246,00	371,00
02 An interactive WR database operational at MoNRE and 7			x		130,00	0,00	130,00	0,00	0,00		15,00	12,00	12,00	39,00
01 Design the interactive database			x	COGEST	60,00	0,00	60,00	0,00	0,00		15,00	12,00	12,00	39,00
02 Establish the database in each project province			x	COGEST	70,00	0,00	70,00	0,00	0,00					
03 The IWRM concept developed and pilot tested in 2 provinces			x		50,00	0,00	50,00	0,00	0,00		10,00	15,00	5,00	30,00
01 Setting up the IWRM institutional framework in ONE			x	COGEST	20,00	0,00	20,00	0,00	0,00		10,00	10,00		20,00
02 Developing and documenting the IWRM concept			x	COGEST	10,00	0,00	10,00	0,00	0,00			5,00	5,00	10,00
03 Applying the IWRM concept			x	COGEST	20,00	0,00	20,00	0,00	0,00					
B To IMPROVE THE DEVELOPMENT AND PROTECTION OF WATER			x		1.183,00	0,00	1.183,00	0,00	0,00		5,00	30,00	35,00	70,00
01 A water Resources Development and Protection Plan			x		336,00	0,00	336,00	0,00	0,00			15,00	20,00	35,00
01 Carry out analyses using primary and/or secondary data are			x	COGEST	140,00	0,00	140,00	0,00	0,00			15,00	20,00	35,00
02 Prepare WR Development and Protection Plan for the province			x	COGEST	175,00	0,00	175,00	0,00	0,00					
03 Organise workshop(s) for the relevant provincial organizations to			x	COGEST	21,00	0,00	21,00	0,00	0,00					
02 CEMDI's water resource and environmental monitoring			x		847,00	0,00	847,00	0,00	0,00		5,00	15,00	15,00	35,00
01 Establish effective institutional arrangements on data sharing			x	COGEST	35,00	0,00	35,00	0,00	0,00		5,00	15,00	15,00	35,00
02 Facilitate the installation of the monitoring equipment			x	COGEST	770,00	0,00	770,00	0,00	0,00					
03 Train staff in environmental monitoring using the equipment			x	COGEST	21,00	0,00	21,00	0,00	0,00					
04 Facilitate the analysis and reporting of water resource data			x	COGEST	21,00	0,00	21,00	0,00	0,00					
C To IMPROVE PUBLIC AWARENESS ABOUT THE PROTECTION OF WATER			x		175,00	0,00	175,00	0,00	0,00			10,00	13,00	23,00
01 Public awareness campaigns implemented in 7 provinces			x		175,00	0,00	175,00	0,00	0,00			10,00	13,00	23,00
01 Train DoNRE staff in the approach and guidelines			x	COGEST	35,00	0,00	35,00	0,00	0,00					
02 Prepare a provincial campaign plan incl. ToRs			x	COGEST	35,00	0,00	35,00	0,00	0,00			10,00	13,00	23,00
03 Implement provincial campaigns			x	COGEST	105,00	0,00	105,00	0,00	0,00					
D To INCREASE MoNRE/DoNRE's STAFF CAPACITY IN WATER			x		200,00	0,00	200,00	0,00	0,00		20,00	20,00	10,00	50,00
01 To increase MoNRE/DoNRE's staff capacity in water resources			x		200,00	0,00	200,00	0,00	0,00		20,00	20,00	10,00	50,00
01 A series of staff training courses implemented in key WRM			x	COGEST	200,00	0,00	200,00	0,00	0,00		20,00	20,00	10,00	50,00
X CONTINGENCY			x		151,40	0,00	151,40	0,00	0,00					
01 Contingency			x		151,40	0,00	151,40	0,00	0,00					
01 Contingency			x	COGEST	151,40	0,00	151,40	0,00	0,00					
Created: 11/03/2009 00:00, by Martin				REGIE	893,60	0,00	893,60	0,00	58,60	40,90	47,00	44,00	69,00	200,90
Approved: , by				COGEST	3.106,40	0,00	3.106,40	0,00	0,00	5,00	145,00	167,00	321,00	638,00
Username: Martin				TOTAL	4.000,00	0,00	4.000,00	0,00	58,60	46,90	192,00	211,00	390,00	838,90
Profile: P														

9. CONCLUSIONS

9.1. Activities and Finance

The first planning is quite vague because of the uncertain procedures and modalities how to execute National Execution Program. The present plan is based on the activities of the TFF even if it hasn't been approved by Steering Committee yet. It's very probable that there will be changes in content and in the budget.

The FIT doesn't include the term of "NEX" in the description of financial mode.

Due to this plan, there will be a budget of aprox. 638.000 Euro needed for NEX and aprox. 200.900 Euro in *Regie*, so a total of aprox. 838.900 Euro is planed for 2009 (see screenshot of FIT below).

9.2. Monitoring criteria

9.2.1. Efficiency

N/A

9.2.2. Effectiveness

N/A

9.2.3. Sustainability

N/A

9.3. Advice of the JLCB on the recommendations

9.3.1. Recommendations on activity planning

N/A

9.3.2. Recommendations on financial planning

N/A

9.3.3. Recommendations on Logical Framework

N/A

9.3.4. Other recommendations

10. APPENDIXES: 1-3 - THE DECISIONS OF DUTIES OF THE: CWRPI, CWRMF AND DWRM

20th Anniversary of the Water Environmental Monitoring and Orientation for Water resources Monitoring up to 2015

MINISTRY OF NATURAL RESOURCES
AND ENVIRONMENT

SOCIALIST REPUBLIC OF VIETNAM
Independence – Freedom - Happiness

Ref: 1027/QĐ- BTNMT

Ha Noi, 16 May, 2008

DECISION

**On functions, tasks, powers and organizational structure of
the Centre for Water Resources Planning and Investigation**

THE MINISTER OF NATURAL RESOURCES AND ENVIRONMENT

Pursuant to Government's Decree No 178/2007/ND-CP dated 03rd December 2007 stipulating functions, tasks, powers and organizational structure of ministries and ministerial equivalent bodies;

Pursuant to Government's Decree No 25/2008/ND-CP dated 04th March 2008 stipulating functions, tasks, powers and organizational structure of the Ministry of Natural Resources and Environment;

At the proposals of Director General of the Centre for Water Resources Planning and Investigation and the Director General of Organization and Personnel,

DECIDES:

Article 1: Position and functions

The Centre for Water Resources Planning and Investigation is a career unit directly under the Ministry of Natural Resources and Environment, whose function as to set up water resources planning and implementing basic investigations throughout the country.

The Centre for Water Resources Planning and Investigation has legal body status and its own seals and has the right to open the accounts in accordance with regulations of the laws.

Article 2: Tasks and powers.

1. To submit to the Minister of long-term scheme, annual and five year plans of activities on water resources planning and investigation in accordance with the Centre's functions, tasks; to implement such plans upon approval.

2. To set up water resources protection, exploitation, integrated use, development; and to prevent adverse impacts caused by water.

3. To implement basic investigations, inventories on water resources quantity, quality, use and exploitation status; to evaluate water source pollution, exhaustion, and degradation level and risks.

20th Anniversary of the Water Environmental Monitoring and Orientation for Water resources Monitoring up to 2015

4. To establish, manage water resources network and monitor water resources; provide information and database of water resources under laws; integrated results of nationwide water resources Investigation and planning approved by authority agencies; to establish database, information system on water resources as assigned by the Minister.

5. To implement programs, projects on advanced scientific and technological research themes, application, transfer on water resources as assigned by the Minister.

6. To implement training courses on Water Resources Planning and Investigation; participate in propaganda, dissemination to raise public awareness on water resources policies as assigned by the Minister.

7. To participate in investigation, research of geothermic, heated water, mineral water and investigate engineering geology in service of State management task as assigned of the Minister.

8. To participate in drawing up technical standards, technical- economic norms on water resources plans, investigation, monitoring and other water resources related documents.

9. To consult appraisal or to participate in appraisal of planning, investigating projects on water resources, water transfer projects between larger river basins, invested projects relating to exploitation, utilization of water resources, waste water and waste discharge into water resources.

10. To implement international cooperation on water resources investigation and plans as assigned by the Minister.

11. To implement service activities on water resources investigation, planning and other services related to water resources according to legislation.

12. To administer finance and properties of the Centre; to carry out responsibility as a second level accounting entity to units under the Centre in accordance with legislation.

13. To implement administration reform in accordance with the Ministry's administrative reforming programs, plans as assigned by the Minister.

14. To administer organizational structuring, staffing, cadres, civil servants and public, employees of the Centre as devolved by the Minister.

15. To make statistics and to report periodically the implementation of assigned tasks and mission

16. To implement other tasks as assigned by the Minister.

Article 3. The organizational Structure of the Development.

1. Leaders of the Centre.

20th Anniversary of the Water Environmental Monitoring and Orientation for Water resources Monitoring up to 2015

The Centre for Water Resources Planning and Investigation shall be composed of a Director General and not more than three Deputies Director General.

The Director General shall be responsible to the Minister for the assigned tasks and be attached to legal responsibilities for all activities of the Centre; stipulating functions and tasks, powers and organizational structure of the Centre; supervise operation and develop operational regulations of the Centre.

The Deputies Director General are to assist the Director General and are authorized by the Director General to be responsible for the assigned fields of activities

2. Director General Assistant offices

- a) Administration office;
- b) Division for Plans and Finance;
- c) Division for Science, Technology and International Cooperation;
- d) Division for Water resources Planning;
- e) Division for surface water resources Investigation and Inventory;
- f) Division for ground water resources Investigation and Inventory;

3. Units of the Centre for Water Resources Planning and Investigation.

- a) Northern Division for Water resources Planning and Investigation (in HN capital);
- b) Central Division for Water resources Planning and Investigation (in Nha Trang city, Khanh Hoa province);
- c) Southern Division for Water resources Planning and Investigation (in HCM city);
- d) Centre for Water resources Monitoring and Forecasts;
- e) Centre for water Quality;
- f) Centre for Material and Information of Groundwater resource;
- g) Centre for Consultancy and Service on Water resources Planning, Investigation;

Administration Office and Units of the Centre for Water Resources Planning and Investigation shall have their own seals and have the right to open their accounts according to laws and regulations.

Article 4. Effective date and implementation responsibility

This Decision shall come into effect from the date of signing.

20th Anniversary of the Water Environmental Monitoring and Orientation for Water resources Monitoring up to 2015

The Director General of the Centre for Water Resources Planning and Investigation, the Department of Organization and Personnel, Heads of all department and Units directly under the Ministry shall be responsible in implementing this Decision./.

Received places:

- As in article 4;
- Minister, vice-Minister;
- Monre's Party Committee, Trade Union, HCM Communist Youth Union, Veterans Organization;
- Keep in files of MONRE, Department of Organization and Personnel

MINISTER

signed & sealed

Pham Khoi Nguyen

MINISTRY OF NATURAL AND ENVIRONMENT
CENTRE FOR WATER RESOURCES
PLANNING AND INVESTIGATION
Ref: 46 /QĐ-QHĐTTNN

SOCIALIST REPUBLIC OF VIETNAM
Independence – Freedom - Happiness

Ha Noi, 1 September, 2008

DECISION

**On functions, tasks, powers and organizational structure of
the Centre for Water Resources Monitoring and Forecast**

DIRECTOR OF CENTRE FOR WATER RESOURCES PLANNING AND INVESTIGATION

Pursuant to Government's Decree No 25/2008/ND-CP dated 04th March 2008 stipulating functions, tasks, powers and organizational structure of the Ministry of Natural Resources and Environment;

Pursuant to Ministry's Decision No 1027/QĐ-BTNMT dated 16th May 2008 stipulating functions, tasks, powers and organizational structure of Centre for Water Resources Planning and Investigation

At the proposals of Director Centre for Water Resources Monitoring and Forecast and the Head of the administration office,

DECIDES

Article 1: Position and functions

The Centre for Water Resources Monitoring and Forecast is a career unit directly under the Centre for Water Resources Planning and Investigation, whose function as to set up technical management for water resources monitoring network, construction and management network information systems, databases, exchange data with relational organization in order to estimate and forecast water resources throughout the country.

The Centre for Water Resources Planning and Investigation has legal body status and its own seals and has the right to open the accounts in accordance with regulations of the laws.

Article 2: Tasks and powers.

1. To submit to the Centre for Water Resources Planning and Investigation of long-term, annual and five year plans of activities on Water Resources Monitoring and Forecast in accordance with the Centre's functions, tasks; participating in management and implementation mission after approving;
2. Technical management for water resources monitoring network, construction and management network information systems,

- databases, exchange data with relational organization in order to estimate and forecast water resources.
3. Editing content of annual publication of water resource to publish, making general projects and general reports on water monitoring result in each periods.
 4. To implement basic investigations, inventories on water resources quantity, quality, use and exploitation status; to evaluate water source pollution, exhaustion, and degradation level and risks.
 5. Participating in evaluation of the risk of exhausted and polluted water resources. Making the report, periodical or suddenly notice, supplying and exchanging information of results water resources monitoring and forecasting as assigned by the Director of the Centre for Water Resources Planning and Investigation.
 6. Researching, suggesting programs, projects about finding the solutions for science and technology; applying advanced technology in water resources monitoring and forecasting and implementing after approval;
 7. Taking part in establishing technical standards, economic technical norm, water resources monitoring and forecasting processes as assigned by the Director of the Centre for Water Resources Planning and Investigation.
 8. Training, technology transfer, guidable services for water resources monitoring and forecasting;
 9. International cooperation in water resources monitoring and forecasting;
 10. Building information systems, database, basic survey index, inventory and estimation of water resources, exhausted and polluted water resources;
 11. To carry out water resources services and other services relating to water resources which were required by organizations and individuals in and outside the country;
 12. Consultant, evaluation and management of projects relating to water resources monitoring and forecasting;
 13. To participate in propaganda, dissemination to raise public awareness on water resources policies as assigned by the Director of the Centre for Water Resources Planning and Investigation;
 14. To administer finance and properties of the Centre; to carry out responsibility as a second level accounting entity to units under the Centre in accordance with legislation;
 15. To administer organizational structuring, staffing, cadres, civil servants and public, employees of the Centre as assigned by the Director of the Centre for Water Resources Planning and Investigation;
 16. To make statistics and to report periodically the implementation of assigned tasks and mission as assigned by the Director of the Centre for Water Resources Planning and Investigation;

17. To implement other tasks as assigned by the Director of the Centre for Water Resources Planning and Investigation

Article 3. The organizational Structure

1. Leaders of the Centre.

The Centre for Water Resources Monitoring and Forecast shall be composed of a Director and not more than two Deputies Director.

The Director shall be responsible the Director of the Centre for Water Resources Planning and Investigation for the assigned tasks and be attached to legal responsibilities for all activities of the Centre; stipulating functions and tasks, powers and organizational structure of the Centre; supervise operation and develop operational regulations of the Centre. The Deputies Director General are to assist the Director General and are authorized by the Director General to be responsible for the assigned fields of activities

Director Assistant offices

- a) Administration Bureau;
- b) Managing monitoring network Bureau;
- c) Surface Water Resources Monitoring and Forecast Bureau;
- d) Ground Water Resources Monitoring and Forecast Bureau.

Article 4. Effective date and implementation responsibility

This Decision shall come into effect from the date of signing.

The Director Centre for Water Resources Monitoring and Forecast, the Department of Organization and Personnel, Heads of all department and Units directly under the Centre for Water Resources Planning and Investigation shall be responsible in implementing this Decision./.

Received places:

- As in article 4;
- Leaders of the Centre;
- Monre's Party Committee, Trade Union, HCM Communist Youth Union, Veterans Organization;
- Keep in files of VT,VP(30)

DIRECTOR

signed & sealed

Do Tien Hung

Ministry of Natural Resources and Environment

Ref. no.: 600/2003/QĐ-BTNMT

The Socialist Republic of Vietnam

Independence - Freedom - Happiness

Hanoi, May 8th, 2003

DECISION

On the mandate, tasks, powers and organisation of the Department of Water Resources Management

THE MINISTER OF NATURAL RESOURCES AND ENVIRONMENT

Pursuant to Decree 91/2002/ND-CP dated November 11, 2002 of the Government regulating the mandate, tasks, authorities and organisation of the Ministry of Natural Resources and Environment; and,

At the request of the Director of the Department of Organisation and Personnel (Vu To chuc can bo) and the Director of Department of Water Resources Management (Cuc Quan ly tai nguyen nuoc)

HEREBY DECIDES

Article 1: Position and Mandate

The Department of Water Resources Management is a subordinate agency of the Ministry of Natural Resources and Environment. It shall assist the Minister in implementing the task of state management of water resources, i.e. rain water, surface water, ground water and sea water within the land and sea territory of the Socialist Republic of Vietnam.

Article 2: Tasks and Powers

1. To submit to the Minister legal documents, policies, strategies, planning, long-term programming, annual and five-year plans, programs and targets on water resources protection, exploitation, utilisation and development compiled within the Department's competence; to supervise and inspect the implementation of these legislations and documents after being approved by authorised state agencies;
2. To submit to the Minister procedure documents, standards, technical and economical norms on water resources management drafted by the Department as assigned by the Ministry; to direct and inspect the implementation and observation after being approved by the Minister;
3. To submit to the Minister draft regulations on assignment and decentralisation of water resources basic survey related tasks; to implement and to supervise the implementation and observation of these regulations after being approved by authorised agencies;
4. To submit to the Ministry draft regulations on protection of water resources, prevention of water sources degradation, exhaustion and pollution, and enhancement of water quality with a view to strengthen the capacity and efficiency in integrated management of river basins, reservoirs, aquifers, assuring that water resources are used and exploited reasonably, economically, safely and sustainably; to supervise and inspect the implementation and observation of the regulations after being approved by the Minister;
5. To work in collaboration with other agencies inside the Ministry and with other relevant ministries, agencies and localities in preventing harms caused by water and settling consequences caused thereby;

6. To collect and manage data and findings of basic survey, inventory and assessment of water resources; to establish water resources database and a national water resources database exchange system;
7. To submit to the Minister draft regulations on cognizance and procedures on licensing, extending, revoking and returning permits to survey, explore, exploit and use water resources and to discharge waste water into water bodies; to implement and inspect the implementation and observation of these regulations after being approved by authorised agencies;
8. To appraise projects and programs in water resources basic survey and planning and projects and plans in integrated water resources protection, exploitation, utilisation and development as assigned by the Ministry; to supervise and inspect the implementation of these projects after being approved;
9. To submit to the Minister draft decisions on specific policies, initiatives and operation mechanism applicable for water resources related public services; to direct and inspect the implementation of the decisions as assigned by the Ministry;
10. To direct the implementation of water resources management by water resources management agencies at local levels and provide related professional and technical assistance for these agencies;
11. To conduct international cooperation in the field of water resources as assigned by the Ministry;
12. To implement programs, projects and studies, apply science-technology advance, and train and develop personnel in the field of water resources management as assigned by the Ministry;
13. To disseminate and give guidance on the implementation of water resources related legislation to organisations and individuals; to response to all queries about policies and legislation on water resources made by organisations and individuals as assigned by the Ministry;
14. To liaise with water resources related associations and non-government organisations; to follow up and report on activities of these associations and organisations;
15. To be the Office of the National Water Resources Council;
16. To conduct inspection and to work with the Ministry's Inspectorate to inspect and settle all possible complaints, petitions, and disputes in relation to water resources as assigned by the Ministry;
17. To manage and use effectively all allocated state financial sources and assets; to manage financing and accounting of the Department's subordinate agencies as regulated by the law;
18. To manage and organise the Department's personnel and staff; to train and develop the Department's personnel and staff within its competence;
19. To make periodical or urgent reports on implementation of assigned tasks; and,
20. To implement other responsibilities as assigned by the Ministry.

Article 3: Organisation

1. The Department's leadership composites of one Director and several Deputy Directors
 The Director is responsible to the Minister for implementing tasks assigned by the Minister and for regulating specific functions, tasks and powers of the Department's subordinate agencies and working procedures for the Department itself.
 The Deputy Director is responsible to the Director for tasks assigned by the Director.
2. The Department's assisting divisions consist of:
 - a. Administration Office
 - b. Bureau of Policy and Planning
 - c. Bureau of Water Resources Survey and Management

- d. Bureau of Surface Water Management
 - e. Bureau of Ground Water Management
 - f. Bureau of Water Resources Protection
 - g. Bureau of Information, Education and Consultation for Community
3. The Department's institutional agencies include:
 - a. Centre of Water Resources Technology and Assessment
 - b. Centre of Water Resources Database Management
 4. The Department and its subordinate centres have their own stamps, bank accounts in accordance with currently applicable related regulations.

Article 4: Validity and implementation Responsibility

The Decision shall take effect in 15 days after being posted on the *Cong Bao* (The Official Gazette).

The Director of the Department of Water Resources Management, the Director of the Department of Organisation and Personnel, heads of agencies and units under the Ministry are bound to implement this Decision.

Minister of Natural Resources and Environment

Mai Ai Truc

signed

Cc.

- as stated in Article 4
- the Government Office of Vietnam
- The Interior Ministry
- Minister, Vice Ministers
- MNR's Party Executive Office, Trade Union and Youth Union
- The *Cong Bao* (the Official Gazette)
- Department of Organisation and Personnel (3 copies), Archive Office