

CAU RIVER BASIN ORGANIZATION

The Role of Reservoirs

(The key for success)

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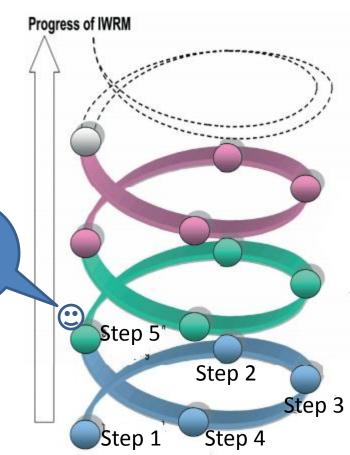
Presentation Outline

We

are

here

- Introduction of CRBO (Step1)
- Identifying (Step1)
- Conceptualizing (Step 2)
- Solutions (Step 3)
- Implementing (Step 4)
- Identifying again (Step 5)

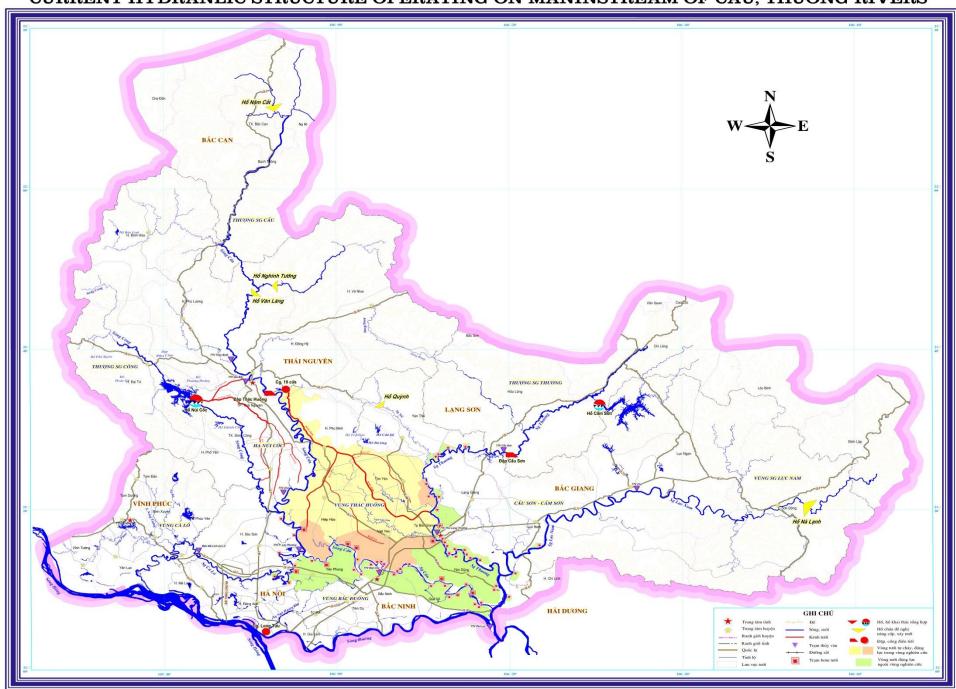




I. Introduction

- Cau River Sub-Basin is located in the North of Ha Noi. The area extends over six provinces. Total area is 6,030 km². In which:
 - + Agriculture area: 254,201 ha.
 - + Cultivated area: 195,093 ha.
 - + Aquaculture area: 8,663 ha.
 - + Forest area: 206,850 ha.
- Topography: Mountain, Midland and Delta.
- Rivers: There are 3 main rivers in this basin: Cau, Cong and Ca Lo rivers
- Population: 4 milion (51% female, 81% living in rural).

CURRENT HYDRANLIC STRUCTURE OPERATING ON MANINSTREAM OF CAU, THUONG RIVERS





II. Identifying

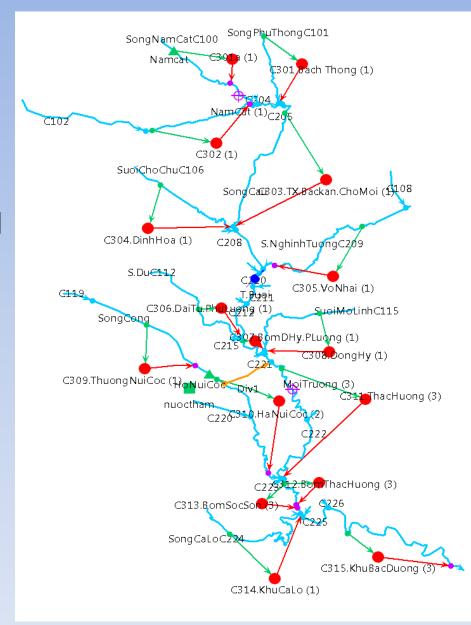
No	Documents	Contents	Methodologies
Step 1	Natural conditions of Cau River Basin	Geographical location	Field, survey, combine with local data.
		Topography Geomorphology	Survey
		Meteorological situation	Collected from meteorological stations of Bac Giang district
		Water resources situation	Field, survey, combine with local data.
Step 2	People's situation - economic	People's situation - economic	Survey, combine with collect reports of local government
Step 3	Current status of water resources	Finding the Current status of water resources	Survey, <u>calculation</u> and combine with data of local government.



II. Identifying

- We used Water Evaluation and Planning System (WEAP) model
 To calculate water balance.
- Conclusion

We have drought, flooding and The lack of water





III. Conceptualizing

- Flooding
- Drought
- The lack of water in 3 sectors including:
 Cultivation, Fisheries, Environment (especially in dry season)



IV. Solutions

1. Works

- ✓ Building reservoirs (<u>Van Lang</u> 100 million m3, Nam Cat 50 million m3
- ✓ solidification canals
- ✓ Appling Water saving methods for paddy such as :System of Rice Intensification SRI and Alternative dry and wet.
- ✓ Reforestation in upstream
- ✓ Building small reservoirs (picture)









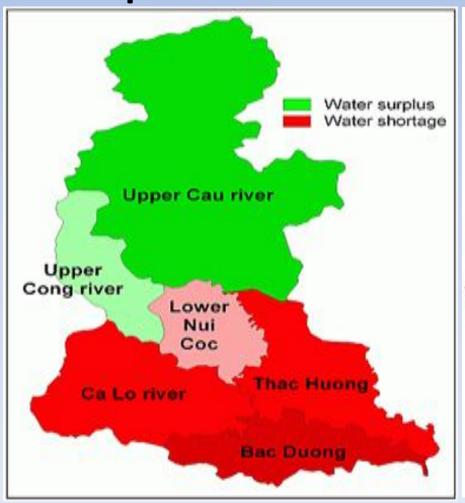


2. Non- structural works

- ✓ Strengthen the management and provide the knowledge to the people in order to improve efficiency in the exploitation and protection water resources.
- ✓ The development of small resources should be multi-purpose tasks associated with agricultural restructuring: Restructuring crops and livestock to promote the advantages of regional integration with the aim of building national agricultural.
- ✓ Increased participation of the stakeholders
- ✓ Educational organizations to raise awareness sweeping the community, with specific activities



V. Implementation and Identifying again.







Implementation

- + In 1970, we built Nui Coc reservoir which was used for tourism and regulating water resources.
- + From 1960- to 2010, we built over 400 small reservoirs.
- + We are preparing to build Van Lang and Nam Cat reservoirs in next year (2015-2018)

