

Meeting Minutes

A meeting organized on Thursday, 19th September 2013 at Project Office, Room 407, Building T3, HUS, including all WPs leaders and members. It was held to trace the progresses of tasks that due at the end of September and to discuss obstacles and remaining issues. Progress tracking is based on TORs.

Participants:

Key members: Phan Van Tan, Tran Ngoc Anh, Man Quang Huy, Ngo Duc Thanh, Nguyen Trung Kien
Researchers: Pham Van Trong and Bui Thi Hanh (on behalf of WP2), Pham Van Cu, Bui Quang Thanh, Mr. Huy (WP6), Dang Dinh Kha, Dang Van Duc (WP4), Trinh Tuan Long (WP3)
Other members: Tran Quang Duc, Nguyen Thi Thanh Hue, Tran Thanh Huong (Project Assistants)

Purposes: To trace and promote the progress of the project

Preseattations:

Prof. Tan: Overview all of the project activities and TORs for each WPs

Ms. Hanh (on behlf of Dr. Ngoc): Literature review on IK and field survey plans in 2013

Dr. N.D. Thanh: Preliminary results of the WP3

Dr. T.N.Anh: Preliminary results of the WP4 and data processing after the field work in May 2013

Dr. M. Q. Huy: On the questionnaire design, field survey in August 2013 and data processing, and further plans

Dr. B.Q.Thanh and Mr. Kien: Server system setup and data sharing organization, and system design for PIS: Data format required from other WP outputs

1) Tracing Results:

WP1 Data Inventory

Data inventory has preliminarily collected. Maps and statistic documents have been uploaded to projects ftp server that is available for all members through authorized access. All maps and spatial data are standardized that works of all WPs will be carried out basing on those standardized data.

Data collected by this WP include:

- Meteorological data in the period of 1961-2010
- Long time series of hydrological sea level data
- Vertical sections of Rivers in study areas
- Vertical sections of irrigation systems in study areas
- Topographical maps at 1:50.000
- Land-use maps and land-use planning towards 2020
- Topographical maps at 1:2000 for selected communes
- Map of hydro-meteorological station network
- Flood mark materials of the historical floods in NHQ since 1980
- Satellite images at the time of the historical flooding events
- Technical design materials of the irrigation system and reservoirs
- Current condition of water management infrastructure in NHQ
- High resolution Climate Change and extreme event Scenarios
- Statistical data of selected communes from 2000-2010 (2012)

- Statistical yearbooks at commune level 2000-2010 (2012)
- Statistical yearbooks at provincial level 2000-2010 (2012)
- Socio-economic development plans of selected communes and all three provinces
- Land-use planning of selected communes
- Sectoral development plan (agriculture, Irrigation...)
- Reports on socio-economic developments
- Reports of social organizations from 2000-2010 (2012)
- Cadastral maps of selected communes
- Topographical maps at 1:25.000 or 1:10.000
- Land-use maps of selected communes and three provinces in 2000,2005,2010
- Irrigation maps
- Statistical data from socio-economic surveys

For more information, please contact Mr. Nguyen Trung Kien (kien.nguyen@hus.edu.vn).

WP2 Indigenous Knowledge Integration

The survey was slower than scheduled across WP2 and WP5 due to some issues of survey design. However it have been realized by both sides. Members of WP5 have carried out an interview survey during the last weeks of august with significant raw data. After preliminary analysis of the field data, WP2 is planning to conduct its IK survey in October if the weather favors and after consulting with Danish partners.

WP3 Climate Change and Extreme Climate Event Assessment

Tasks completed including:

1) Report to be submitted to project at the end of September 23, 2013 consists of:

- ◆ Literature review
 - + Evident of extreme meteo events
 - + Reviews of meteo researches
- ◆ Data and Methodologies
 - + Study area
 - + Data sources
 - + Methods for quality control and analysis of monitoring data
 - + Method for analysis of Extreme climatic events and effects of Climate change
- ◆ Results
 - + ECE under impacts of CC
 - + Change of ECE under impacts of Global CC
 - + Discussion

2) *3 papers in international conferences with acknowledgement of project*

- + Hang Vu-Thanh, Thanh Ngo-Duc, and Tan Phan-Van: An analysis of meteorological drought features in Vietnam during the 1961-2007 period. The 3rd International MAHASRI/HyARC workshop on Asian Monsoon and Water Cycle, August 28-30, 2013, DaNang, Vietnam. P 117-124.

- ✦ Huong Ngo-Thi-Thanh, Hue Nguyen-Thi-Thanh, Hang Vu-Thanh, Thanh Ngo-Duc: A study on rainy season onset dates over Vietnam for the period 1951-2007 using the APHRODITE data. The 3rd International MAHASRI/HyARC workshop on Asian Monsoon and Water Cycle, August 28-30, 2013, DaNang, Vietnam. P 201-208.
- ✦ Quan Le-Nhu, Tan Phan-Van, Trung Nguyen-Quang, Thanh Ngo-Duc: Trends in extreme rainfall events over Vietnam: Historical data and model verification. The 3rd International MAHASRI/HyARC workshop on Asian Monsoon and Water Cycle, August 28-30, 2013, DaNang, Vietnam. P 209-216.

3) 2 ISI papers under revision

- ✦ Ngo-Duc, T. , C. Kieu, M. Thatcher, D. Nguyen-Le, and T. Phan-Van, 2013: A use of Three Regional Climate Models and their ensemble combination in Projecting Future Climate in Vietnam. Climate Research, under revision.
- ✦ Vu-Thanh H., T. Ngo-Duc, and T. Phan-Van, 2013: Evolution of meteorological drought characteristics in Vietnam during the 1961-2007 period. Theoretical and Applied Climatology, under revision.

WP4 Water Disaster Assessment and Analysis

Some key activities during this period

- Field survey: measurement of historic flood signs, GPS measurement of altitude in selected communes.
- Development of hydrologic model
- Development of hydraulic model
- Development of scenario with margin criteria
- Development of water resource management
- Development of saline circulation model

WP5 Assessment of CC induced water disasters

The design of field survey was finalized by thorough discussion between Vietnamese and Danish partners. The WP5 had carried out a survey in May 2013, but it fell short to fulfilled the requirement of field data- In that case, members of WP5 initiated the questionnaire form again during June and July, 2013.

The key activity of WP5 was the successful interview survey in the 3 selected communes in August 2013. In total, app 480 households were asked that equally divided into 3 locations. Raw data is being analysed in preparation for a joint field survey of both partners in the coming months.

WP6 Develop the PIS

Tasks had completed: Setting up Website, Ftp servers, assisting data collection.

Tasks to be completed: System design PIS and develop the Web-based spatial processes tools.

2) Discussion

WP2, WP5: Request for contributions to the literature reviews from Danish team: Dr. Ngoc has sent emails to Danish team to ask for the exchange information on the literature reviews but there are

no any response from them, so far. Also, if it's possible (depending on the weather conditions), WP2 has plan to go field survey in October 2013. The difficulties are mainly related to the cooperations between Vietnamese and Danish teams.

WP5: There are some differences in the approaches on the vulnerability assessment between Vietnamese and Danish team. It would be useful if the project can organize a seminar/workshop for discussion in more detail. The problems that need to be identified are the joint publications between WP5, WP4 and Danish team.

WP4: Need to discuss more with WP3 on how to use the climate projection outputs for the hydrological models.

WP6: Ask for all WPs give data format of outputs as samples for designing the PIS.