

**DOCTORAL THESIS INFORMATION WITH NEW SCIENTIFIC  
CONTRIBUTION, THEORETICAL STUDY**

**1. Thesis title:** “Research on the scientific base in assessing the adaptation solutions – apply for Quang Ngai province”.

- Major: Natural Resources and Environmental Management,

- Code: 62850101

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**3. Introduction:**

Climate Change impacts many sectors and regions in the world. IN order to respond effectively, there should be the methodology and tools to support the managers in policy planning. There are studies on impact of Climate changes; development and implementation of adaptation solutions in the world and Viet Nam. However, there is no comprehensive studies on assessment of the effectiveness of adaptation action. Therefore, there is necessary to develop the methodology to monitor and assess the effectiveness of the policies and adaptation actions and apply these methodologies in management of adaptation actions. To develop the scientific base in assessment of the effectiveness of the adaptation action, the advantages and disadvantages of the related methodologies in the world and Viet Nam should be studied. Basing on that, the suitable methodology could be applied.

The Paris Agreement has been approved by 190 Parties at the 21st Conference of Parties to the United Nations Framework Convention on Climate Change (COP21) in December 2015, encourage the Parties to develop the National Communication including the transparency for the actions and support

received. Measuring, Reporting and Verification (MRV) for the mitigation action has been discussed, but MRV for adaptation action is new and the detailed guidance is not available.

The main objectives of study are: (i) To identify the methodology and the process of effectiveness assessment of adaptation actions; (ii) To assess the effectiveness of adaptation actions in Quang Ngai province; and (iii) To propose the MRV framework for adaptation action.

#### **4. New contribution of thesis:**

1) The methodology was selected to assess the effectiveness of adaptation actions basing on combination between Result Based Management (RBM) and Delphi used in a KAMET set up; The suitable process for Viet Nam on assessing the effectiveness of adaptation action was developed.

2) The effectiveness of adaptation action in Quang Ngai province was assessed. The assessment of effectiveness of adaptation action will support provinces in identifying and giving the lesson learnt on implementing the adaptation actions during last period and developing the future plan.

3) The MRV for adaptation actions in Viet Nam has been proposed. Studies on the MRV for mitigation action were carried out. However, this is the first time the MRV for adaptation action was studied and proposed. In addition to that the issues for development of national MRV for adaptation has been raised. The research's result could be continued to develop the detailed provincial and national MRV framework.

Ha Noi, March, 2018

**Supervisor 1**



**Huynh Thi Lan Huong**

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**Chu Thi Thanh Huong**