

VIETNAM INSTITUTE OF
METEOROLOGY, HYDROLOGY
AND CLIMATE CHANGE

SOCIALIST REPUBLIC OF VIETNAM
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**THESIS INFORMATIONS WITH
NEW SCIENTIFIC CONTRIBUTIONS. THEORETICAL STUDY**

1. Thesis name: Knowledge of ethnic minority communities in Lai Chau in responding to climate extremes and natural disasters for effective adaptation to climate change.

- **Code:** 9850101

- **Major:** Natural Resources and Environment Management

2. Name of PhD. student: Vu Van Cuong

Supervisor:

1. Prof. Dr. Tran Thuc

2. Dr. Đinh Thai Hung

Institute: Viet Nam Institute of Meteorology, Hydrology and Climate Change

3. Introduction:

The history of economic and cultural development of ethnic minority communities shows that community knowledge always evolves with the change of the natural and social environment. Therefore, community knowledge has the ability to help people improve their resilience and adapt to changes in the natural environment. The Thesis on "*Knowledge of ethnic minority communities in Lai Chau in responding to natural disasters and extreme climate for effective adaptation to climate change*" is expected to provide a scientific and practical basis for the role and value of knowledge of ethnic minority communities in Lai Chau in responding to climate change.

The objectives of the Thesis are: (i) To assess the climate extremes and natural disasters and their impacts on people's lives and production of the ethnic minorities in Lai Chau Province; (ii) To analyzing and draw lesson learnt from

the knowledge system of ethnic minority communities in Lai Chau applied for responding to climate extremes and natural disasters; (iii) To propose measures for promoting the knowledge system of ethnic minority communities in Lai Chau for climate change adaptation.

The Thesis has four chapters, namely: Chapter 1, Literature reviews of international and domestic studies; Chapter 2, Theoretical considerations, the study area, and methodology; Chapter 3, Practical value of knowledge of the northern ethnic minority community in responding to climate extremes and natural disasters; Chapter 4, Measures for promoting the knowledge system of ethnic minority communities in Lai Chau for climate change adaptation.

4. Scientific contributions of the Thesis

- Through investigating and sociological surveys, the Thesis has drawn and determined the knowledge of the ethnic minority communities in Lai Chau in responding to climate extremes and natural disasters in the past.

- The Thesis has determined positive values and difficulties for replication and application of knowledge systems of the ethnic minority communities in Lai Chau for climate change adaptation.

- The thesis has proposed measures to promote the knowledge system of ethnic minority communities in the development and adaptation to climate change in the Lai Chau Province.

Supervisor

PhD. student



Prof. Dr. Tran Thuc



Dr. Dinh Thai Hung



Vu Van Cuong