

**INFORMATION ON NEW ACADEMIC AND THEORETICAL
CONTRIBUTIONS OF PhD DISSERTATION**

1. Dissertation title: *Research on mainstreaming of climate change issues into the socio-economic development masterplan of Thua Thien Hue province through strategic environmental assessment.*

Code: 62850101

Specialization: *Management of Natural Resources and Environment.*

2. PhD Candidate: *Tang The Cuong*

Advisors: *Prof. Dr. Tran Thuc and Prof. Dr. Bui Cach Tuyen.*

Training Institution: *Viet Nam Institute of Meteorology, Hydrology and Climate Change.*

3. Introduction to the Dissertation:

Climate change has become one of the biggest challenges for mankind in the 21st century. The objectives of the Dissertation are: To investigate basic methodology for mainstreaming climate change issues into socio-economic development masterplan by applying SEA; and to apply mainstreaming of climate change issues into socio-economic development masterplan of Thua Thien - Hue province through SEA. The Dissertation developed a method for mainstreaming climate change issues into socio-economic development masterplans through SEA with a six stage process. Vulnerability assessment is used to evaluate effectiveness of mainstreaming. Method of uneven weights is used to calculate indicators for identifying vulnerability. Vulnerability assessment results show the appropriateness of the method and provide a scientific basis for mainstreaming. This is useful tool for evaluating effectiveness of mainstreaming into socio-economic development master plan. The Dissertation's results provide important scientific basis for examining and implementing the mainstreaming of climate change issues into socio-economic development in Viet Nam.

4. New contributions of Dissertation:

- The dissertation developed scientific basis for mainstreaming climate issues into socio-economic development masterplan through SEA basing on analyses of existing methodologies used internationally and concrete situation of Viet Nam.

- Basing on the scientific basis developed by the dissertation on mainstreaming climate change issues into socio-economic development through SEA, the dissertation applies it for Thua Thien - Hue province in the context that the province has approved its SEA.

- The dissertation deployed the climate change vulnerability assessment to evaluate the effectiveness of mainstreaming.

- The dissertation evaluated impacts of mainstreaming of climate change issues into socio-economic development at provincial level./.

Representative of Advisors

Prof. Dr. Tran Thuc

PhD Candidate

Tang The Cuong