



# **Contribution of Science and Technology on implementing the Climate change, Green growth Strategies and COP26 Commitments, 2023 – 2030**

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**Hanoi, April 2023**



# Introduction

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- Overview the achievements of science and technology contributions for implementation of climate change respond

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- Main tasks of the Science and Technology for implementing the Climate change Strategy (COP26)

3

- Main tasks of the Science and Technology for implementing the Green Growth

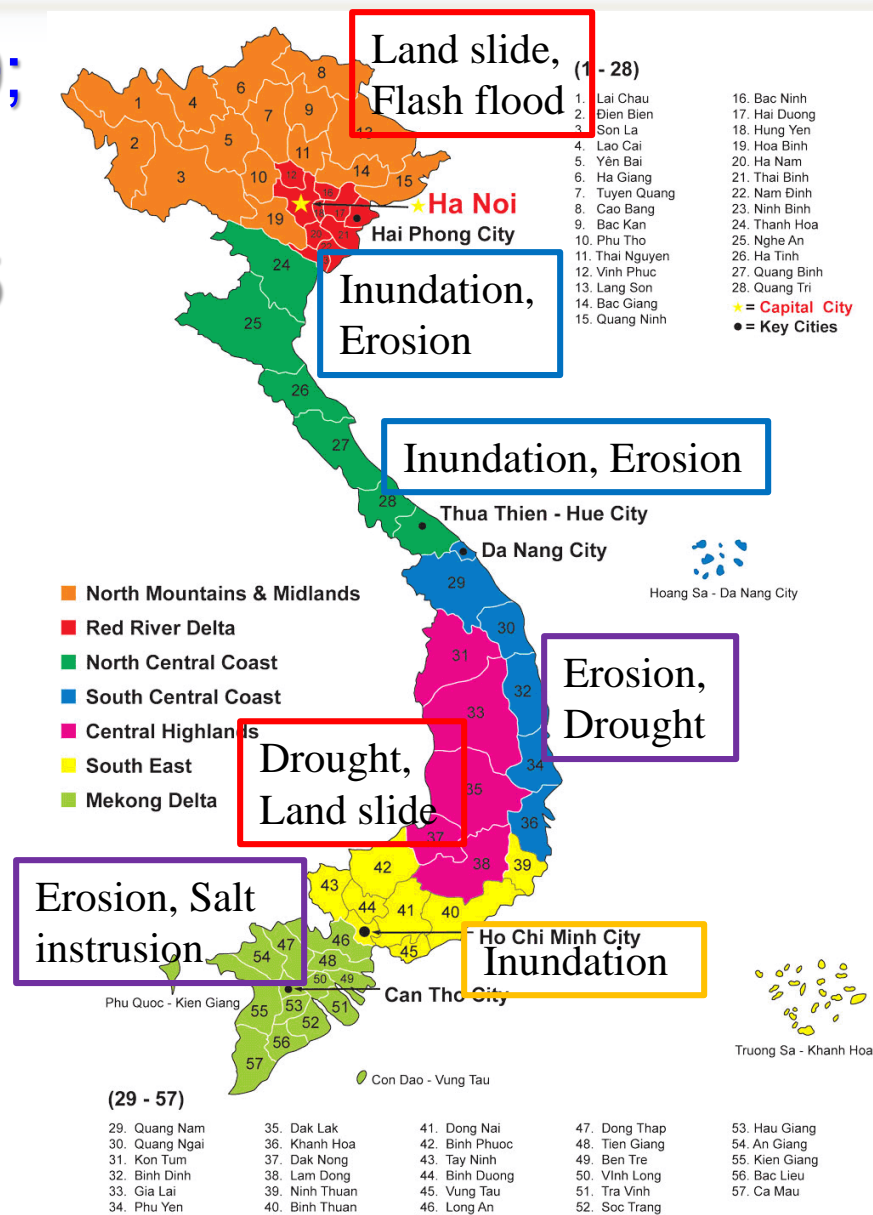
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- Conclusions and recommendations



# Key national research programs

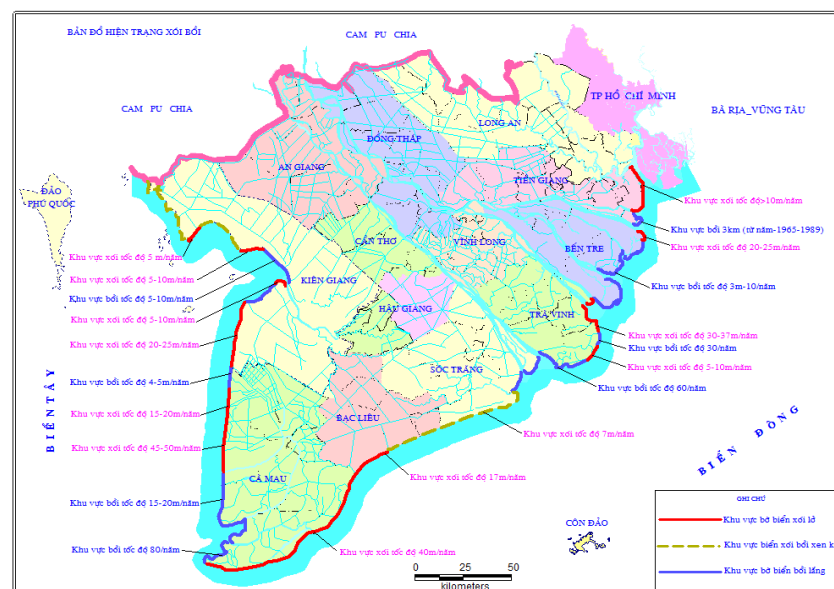
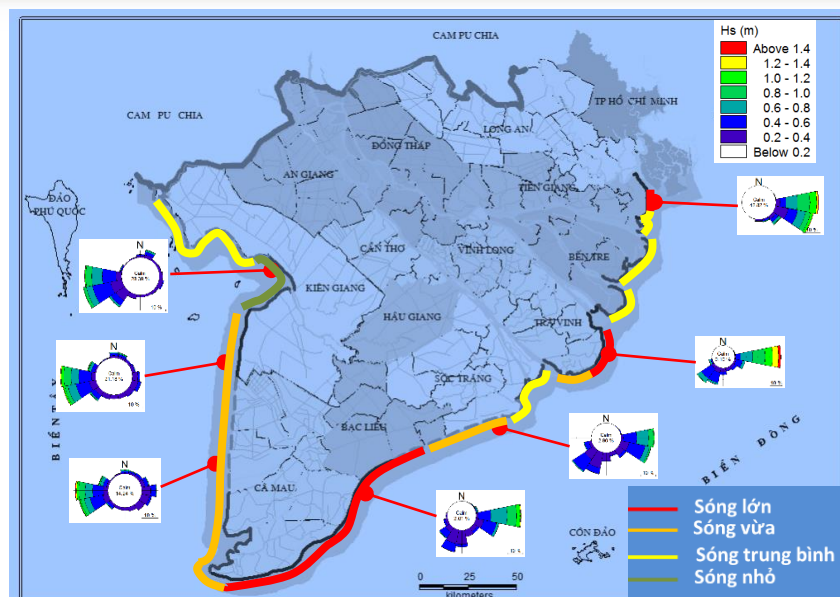
- ❑ Program: KC.08 (2006-2010; 2011-2015 and 2015-2020).
- ❑ Program: BĐKH (2010-2015 and 2015-2020).
- ❑ Other programs (Regional sustainable development)
- ❑ International co-operation programs: Viwat Mekong...





# Achievements of national research programs

- ❑ Developed modern tools and models for forecasting and early warning of meteorological and hydrological disasters
- ❑ Applied advanced solutions and technologies to prevent and overcome the consequences of natural disasters and climate change impact





# Main tasks of STI for implementation of Climate change, Green Growth Strategy

## ➤ **Science, technology and innovation Strategy up to 2030:**

- Researching, applying, mastering technology in forecasting the impacts of climate change on natural and social systems,
- Applying technology in reducing greenhouse gas emissions,
- Applying technology in adapting the climate change impacts.
- **International cooperation activities:**
  - Identifying the priority areas (adaptation and mitigation)
  - Transferring climate technologies (adaptation and mitigation).
  - Mobilizing the international supports.



# Base Policy frameworks

Base Policy frameworks on climate change  
and Green growth at national level

July 2022:  
National  
Climate  
change  
Strategy, up  
to 2030

July 2022:  
Solutions for  
implementing  
the COP26  
commitments  
of Viet Nam

Oct 2021:  
National  
Green Growth  
Strategy





# Main tasks of STI for implementation of Climate change Strategy and COP26 commitments

STI tasks on implementing the National Climate Change Strategy and COP26 Commitments

Complete S&T mechanisms and policies for CC:  
Assess the need;  
Build a list for clean, low-carbon technology

Organize to do the researches and transfer climate technologies for low carbon development (to obtain Net zero in 2050)

Develop source technologies of climate: Promote at enterprises and national corporations on low emission development



# Main tasks of STI for implementation of Climate change Strategy and COP26 commitments

STI tasks on implementing the National Climate Change Strategy and COP26 Commitments

Develop and transfer high and new technologies: clean, new energy (solar, wind, hydrogen)

Apply climate technologies basing on cloud computing, big data, Internet of things, artificial intelligence, blockchain

Supplement and update standards and technical regulations for: Green infrastructures new and renewable energy sources





# Main tasks of STI for implementation of Climate change Strategy and COP26 commitments

## STI tasks on implementing the National Climate Change Strategy and COP26 Commitments

Integrate researches on reducing greenhouse gas emissions and adapting to climate change in the national programs

Strengthen cooperation, supports from international, regional partners, to conduct scientific researches and technology transfer on greenhouse gas emission reduction, adaptation to climate change

Contribute to high-quality training of human resources in climate change response through scientific and technological tasks at national, ministerial and sectoral levels



# Main tasks of STI for implementation of Green growth Strategy

## 1. Policy

Laws, policies  
of R&D

Mechanism  
for new, high  
technologies

## 2. List of green technologies

Green  
technologies

Low carbon  
Technologies

## 3. National standards

Green fuels

Green  
materials



# Main tasks of STI for implementation of Green growth Strategy

## 4. New technologies

Solid waste treatment and recycle

Rural, Agricultural waste treatment and recycle

## 5. Supporting

From International Funds

Domestic Corporations

## 6. Capacity Building

Human resources for green growth

Institutes, universities



# Some proposals for cooperation

## GER-VN priority areas

**1. Determine the priority areas for cooperation between Germany and Viet Nam (JMC).**

**2. Continue with successful common researches (Water, Environment, Sustainable Development : Kawatech, Viwat Mekong-Phase 2).**

## International , support Funds

**1. Cooperate to find international climate funds: Green Fund, EU, World bank, UN...**

**2. German and Vietnamese common support funds, which are suitable for potential and priority of both sides.**



# Recommendations

VN has a great need for technology transfer in order to meet the requirements of climate change respond, COP26 commitments, Green growth... Therefore, climate technology transfer from developed countries (Germany) is essential.

Determining the priority areas for cooperation between Germany and Viet Nam in term of climate technology is very important (for instant: clean, new energy).

Matching German counterparts (funds, institutes, experts), which are feasibility and suitable for potential and ability of VN counterparts, is an important missions.





*Thank you!*

*for your attention*