



**MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT
DEPARTMENT OF METEOROLOGY, HYDROLOGY AND CLIMATE CHANGE**



**Development of the Nationally Appropriate Mitigation Actions
(NAMAs) in measurable, reportable and verifiable manner in
Vietnam – Making NAMA readiness**

Twenty second Asia-Pacific Seminar on Climate Change



Content



- ▶ **Strategic changes in responding to climate change**
- ▶ **Legal foundation to support NAMA development**
- ▶ **Plan of GHG emission management and management of carbon trading activities to the world market**
- ▶ **Current understanding and capacity on NAMA**
- ▶ **Suggested areas of works**





Legal foundation at international level

▶ UNFCCC-COP decisions

- ▶ **Bali Action Plan (BAP – COP13 - 2007):** adopted NAMA in MRV manner
 - ▶ **Copenhagen (COP15 - 2009):** NAMA narrowed down to developing countries
 - ▶ **Cancun (COP16 – 2010):** need for further commitment based on CBDR-RC and developing countries shall implement NAMAs with support (f, t, cb) from Annex 1.
 - ▶ **Durban (COP17 – 2011):** 48 countries (now 50) submitted NAMAs (intention only).
 - ▶ **Doha (COP18 – 2012):** registry to be adopted, supports from Annex 1 to be committed and increased, financial mechanism (GCF) to be operated.
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Legal foundation in Vietnam

- ▶ **National Climate Change Strategy (Decision 2139/QĐ-TTg)**
 - ▶ *“Consider **low-carbon economy and green growth** as principles in achieving sustainable development; **GHG emission reduction and removal** to become a mandatory index in social and economic development”.*
- ▶ **National Green Growth Strategy (Decision 1393/QĐ-TTg)**
 - ▶ *“Green growth, low-carbon economy, and enrichment of natural resources become the mainstream of sustainable economic development; GHG emission reduction and sink enhancement become mandatory and important criteria for socio-economic development”.*
- ▶ **Plan of GHG emission management and management of carbon trading activities to the world market (Decision 1775/QĐ-TTg)**
 - ▶ *“Preparation of framework and action plans for NAMAs to be internationally registered and widely implemented”*
 - ▶ *“Development and operation of MRV system”*



Plan of GHG emission management and management of carbon trading activities to the world market

- ✓ The Plan has been approved by the GOV on 21 Nov. 2012
- ✓ Objectives:
 - *carrying out the UNFCCC and other related treaties that Viet Nam has involved in;*
 - *taking oppoturnities to develop a low carbon economy and green growth in the country*
 - *joining the international community's efforts in mitigate GHG emissions and contributing to sustainable development*
- ✓ GHG mitigation targets in 2020:
 - *Energy: 8% (Base year 2005)*
 - *Agriculture: 20%*
 - *LULUCF: 20%*
 - *Waste: 5%*



Principal content related to mitigation

- Inventorying the national GHG for the base year 2005 and develop basic emission scenarios
- Carrying out the targets of GHG emission reduction and GHG absorption increasing by 2020 (base year: 2005)
 - *Energy: 8%*
 - *Agriculture: 20%*
 - *LULUCF: 20%*
 - *Waste: 5%*
- Assessing technology needs; disseminating and applying potential technologies of GHG emission reduction and GHG absorption increasing.
- Developing NAMAs program framework in line with national circumstances; registering and deploying NAMAs in line with national circumstances.
- Setting the MRV system
- Implementing the propagation, dissemination and education of awareness, responsibility, raising of awareness on the management of GHG emissions



Principal content related to mitigation

- ✓ Propagandizing and educating to raise awareness and obligation on carrying out GHG emission reduction and carbon trading activities (2012-2020)
- ✓ Setting up the national GHG inventory system (2012-2014)
- ✓ Researching, developing and assessing some options to carry out the GHG emission reduction targets in the energy, transportation, agriculture, LULUCF, waste, construction material production and urban technical infrastructure sectors (2012-2013)
- ✓ Researching and developing mechanisms and policies to support the prioritize GHG mitigation options in the energy, transportation, agriculture, LULUCF and waste sectors (2012-2015)
- ✓ Developing the NAMAs program framework of Viet Nam. Researching to develop NAMA's methodologies, register and pilot implement NAMA (2012-2015)



Tasks and projects related to mitigation

- ✓ Developing the MRV system for NAMA (2012-2015)
- ✓ Reviewing, assessing and completing the legal system on mechanisms and policies for CDM projects (2012-2014)
- ✓ Carry out national GHG inventory periodically (2016-2020)
- ✓ Developing and applying systems of standards and targets on energy consumptions and emissions (2016-2020)
- ✓ Developing sectoral and national MRV systems for related sectors (2016-2020)
- ✓ Preparing and developing periodical GHG emission and GHG emission reduction reports (2012-2020)



Some prioritized tasks related to mitigation in the coming time

- ✓ Carry out related Strategies/Programs/Plans → to achieve objectives related to GHG emission reduction towards low-carbon economy
 - *Research and develop the national GHG inventory system of Viet Nam*
 - *Research and assess GHG mitigation potentials*
 - *Develop and implement nationally appropriate GHG mitigation options for production activities; climate sound technology transfer*
 - *Establish MRV system for NAMA of Viet Nam*
 - *Develop and implement REDD+ program*
 - *Synchronous develop; effectively use of energy sources; research to apply energy production technologies from renewable and new energy sources*
 - *Implement GHG mitigation projects with national resources and international financial and technology supports.*





Current understanding and capacity on NAMA in Vietnam



▶ Advantages

- ▶ High priority from Government
- ▶ High potential in various sectors
- ▶ Ready participation from private sector and community
- ▶ Bilateral and multilateral cooperation

▶ Limitations

- ▶ Highly limited understanding and human resources
- ▶ Uncertainty in international negotiations
- ▶ Lack of NAMA readiness in current governance and policy systems
- ▶ Few research and studies on NAMA/MRV
- ▶ Incomplete GHG inventory and BAU research





Priority areas of works

- ▶ **Time frame: 2012-2015**
- ▶ ***NAMA readiness***
 - ▶ *Improved NAMA perception and understanding*
 - ▶ *Enhanced coordination capacity*
 - ▶ *Established advisory capacity*
 - ▶ *Complete national and international MRV studies*
 - ▶ *Improved GHG inventories and BAU formulation*
 - ▶ *Enhanced negotiation capacity on international cooperation for financial, technical and capacity building in NAMA .*
 - ▶ *Established participation of line ministries, private sectors and community*





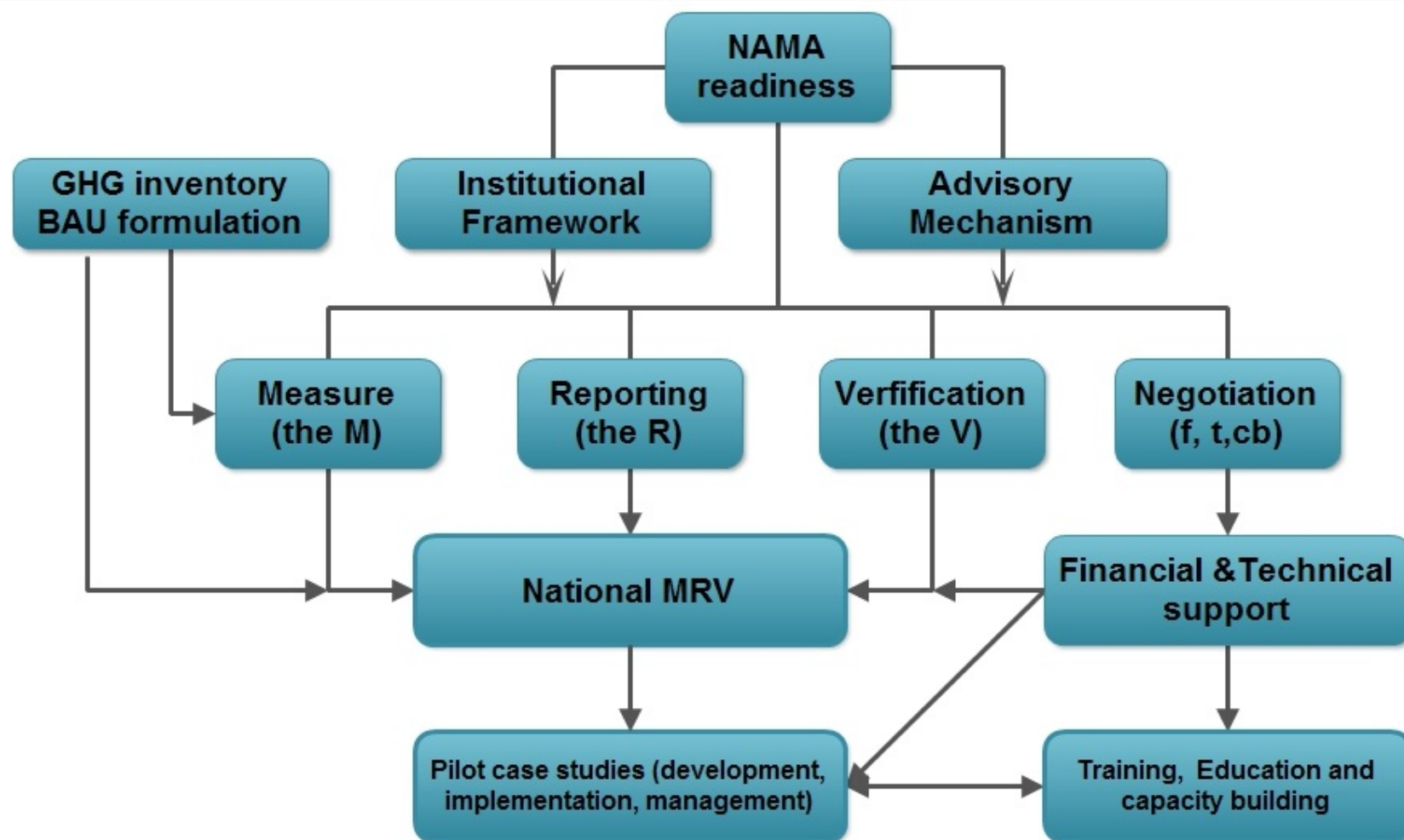
Priority areas of works (cont.)

1. **An institutional framework for MONRE's coordination and management role of NAMA;**
2. **An advisory mechanisms for NAMA;**
3. **Research on methodologies on measuring (the M of the MRV) GHG emission reductions accordingly to the Laws of Vietnam and decisions and regulations of future climate regime under the UNFCCC and/or second commitment period (CP2) of the UNFCCC;**
4. **Development of NAMA reporting system (the R of the MRV) at local and national levels and prepare for international MRV system being developed under the UNFCCC;**
5. **Development of NAMA verification system (the V of the MRV) at local and national levels and prepare for international MRV system being developed under the UNFCCC;**
6. **Support GHG inventory and BAU formulation**
7. **Pilot case studies of NAMA development and implementation in selected sectors;**
8. **Improvement of MONRE's capacity in negotiation to access and use of current and future financial mechanism for NAMA.**
9. **Training integrated in all abovementioned with careful selected targets.**





Priority areas of works (cont.)





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Thank you!

