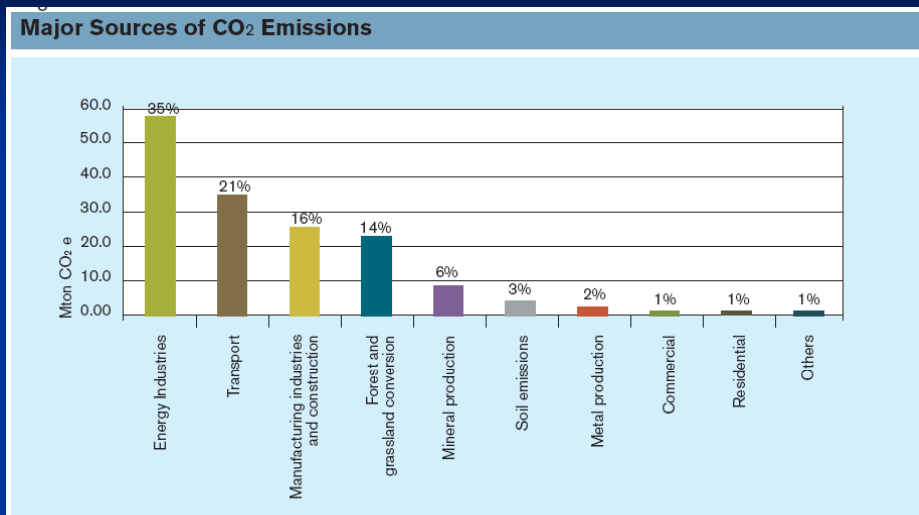


# NATIONAL POLICY ON CLIMATE CHANGE

Ministry of Natural Resources and  
Environment Malaysia

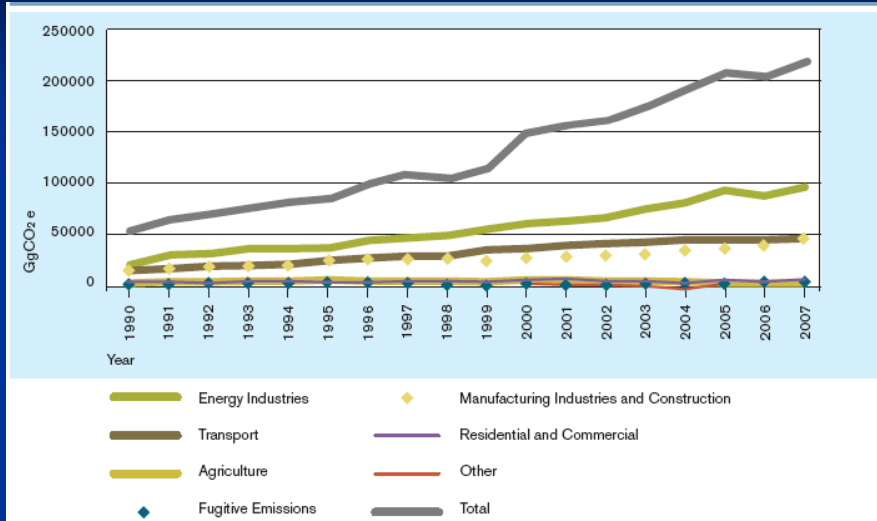


## Major Sources of CO<sub>2</sub> Emission



Source: NC2 Report (Draft)

## Sectoral Emissions (1990-2007)



Source: NC2 Report (Draft)

3

## Need for Policy on Climate Change



Source: NAHIRM (2006)

Possible climatic change in Peninsular Malaysia by 2041-2050:

- Temperature rise 2°C
- More extreme hydrological conditions
  - Higher maximum rainfall; Lower minimum rainfall.
  - Higher high riverflow; Lower low riverflow.

Potential implications

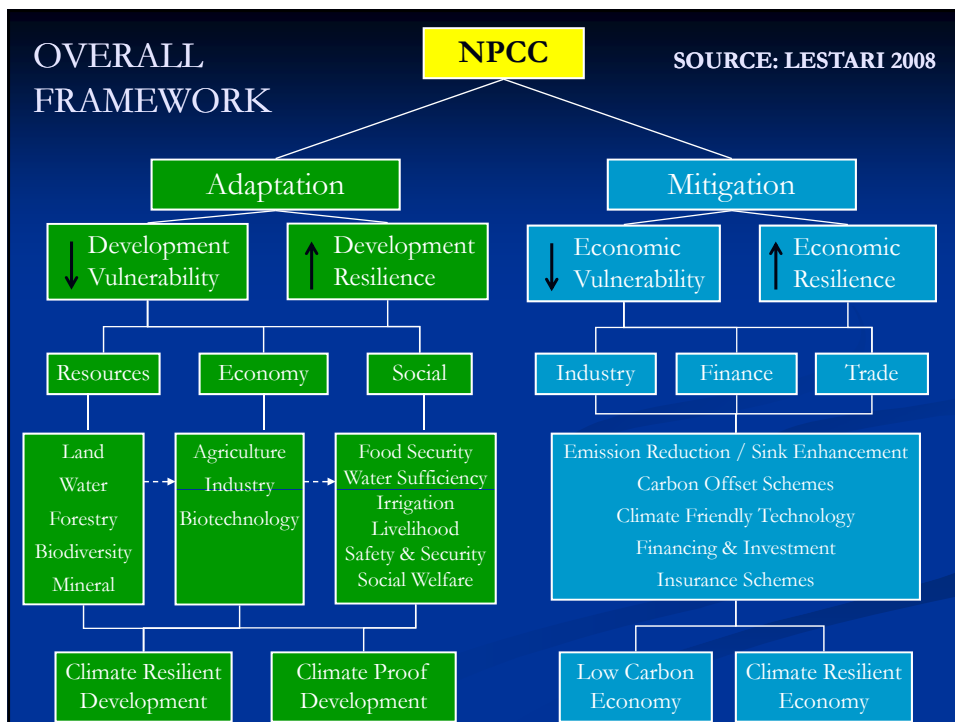
- Water balance → Water sufficiency
- Crops yields → Food security
- Plantation → Economic loss
- Infrastructure → Repairs & reconstruction

**Adaptation based on wise resource management;  
Mitigation to enhance adaptation and sustainable development**

SOURCE: LESTARI 2008

# Climate Change – The Socio-Political Challenge

- **Mitigation**
  - driven primarily by international agreements requiring national responses
  - common but differentiated responsibility and respective capabilities...
- **Adaptation**
  - involves action by affected entities at national, state, local and community levels
  - is unavoidable
- **Balancing adaptation and mitigation**
- **Focus – adaptation & co-benefits of mitigation**



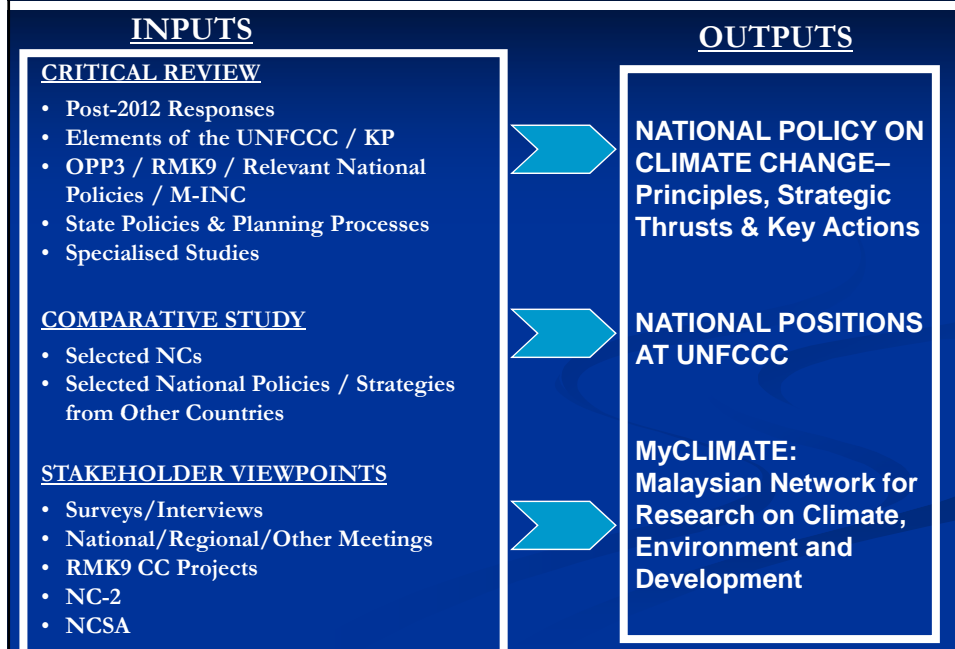
## Importance of Policy on Climate Change

- Climate change – **cross-sectoral** in nature, involves more than environmental issues, also affects economic growth and human well-being
- Climate change – **transcends all levels**, sectors, stakeholders and major groups
- Climate change measures need to be **mainstreamed** into development plans

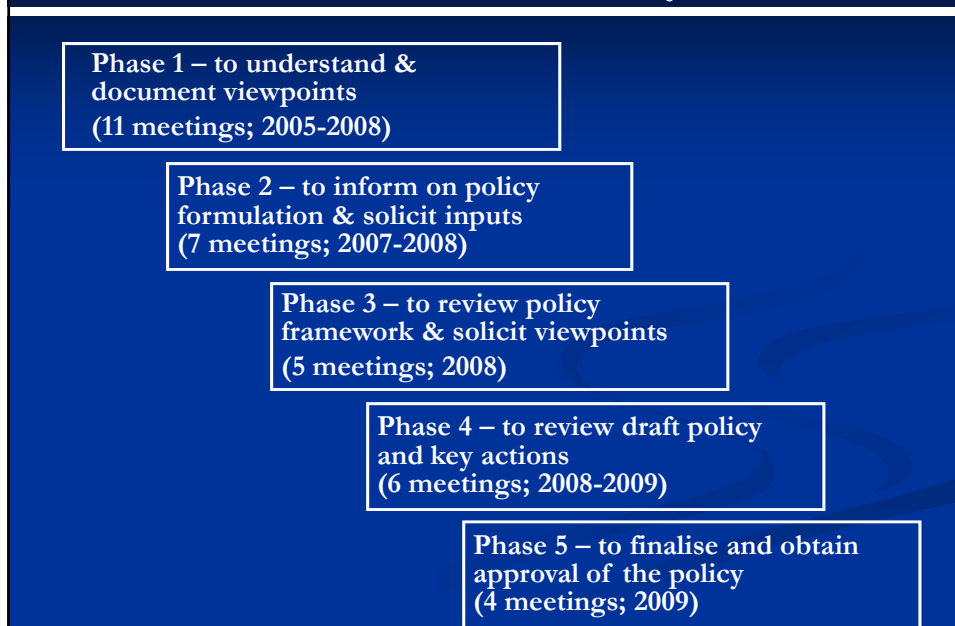
## Background

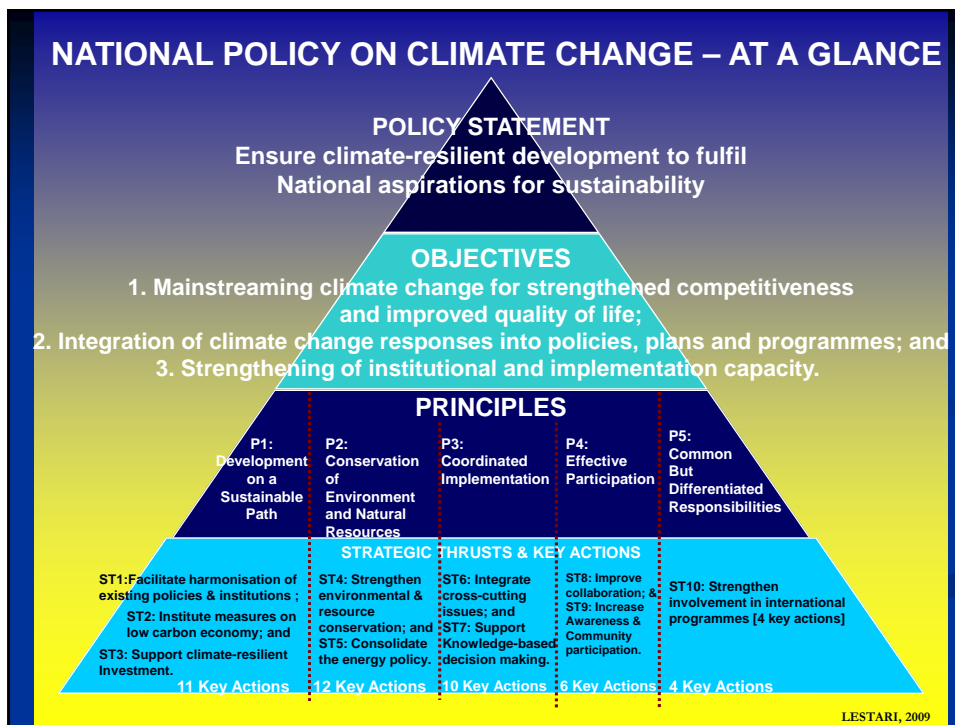
- **Policy Study on Climate Change (Kajian Dasar Perubahan Iklim)**
  - RMK9 project, completed in 2009
  - Conservation and Environmental Management Division (CEMD), Ministry of Natural Resources and Environment
  - Institute for Environment and Development (LESTARI), UKM

# Approach & Outputs



# Stakeholder Consultation – Policy Formulation





## Policy Statement

- Ensure climate-resilient development to fulfil national aspirations for sustainability.

Development that integrates response measures on:-

- climate change and extreme weather (physical manifestations) in line with national priorities (socio-economic and international obligations).

# Objectives

## National Policy on Climate Change

### Mainstreaming of measures

to address climate change challenges through strengthened economic competitiveness, wise management of resources, environmental conservation and enhanced quality of life for sustainable development.

### Integration of responses

into national policies, plans and programmes to strengthen the resilience of development from arising and potential impacts of climate change.

### Strengthening of institutional & implementation capacity

to better harness opportunities in reducing negative impacts of climate change.

# Principles

- **P1: Development on a Sustainable Path**
  - Integrate climate change responses in national development plans to fulfil the country's aspiration for sustainable development.
- **P2: Sustainability of Environment and Natural Resources**
  - Initiate actions on climate change issues that contribute to environmental conservation and sustainable use of natural resources.
- **P3: Integrated Planning and Implementation**
  - Integrate climate change considerations into development planning and implementation.
- **P4: Effective Participation**
  - Improve participation of stakeholders and major groups for effective implementation of climate change responses.
- **P5: Common but Differentiated Responsibility**
  - International involvement on climate change will be based on the principle of common but differentiated responsibilities and respective capabilities.

## Strategic Thrusts (1)

- **Principle 1 (P1): Development on a Sustainable Path**
  - P1-S1: Facilitate the harmonisation of existing policies to address climate change adaptation and mitigation in a balanced manner [[3 Key Actions](#)].
  - P1-S2: Institute measures to make development climate-resilient through low carbon economy to enhance global competitiveness and attain environmentally sustainable socio-economic growth [[5 Key Actions](#)].
  - P1-S3: Support climate-resilient industrial development and investment in pursuit of sustainable socio-economic growth [[3 Key Actions](#)].

## Strategic Thrusts (2)

- **Principle 2 (P2): Sustainability of Environment and Natural Resources**
  - P2-S1: Adopt balanced adaptation and mitigation measures to climate-proof development, strengthen environmental conservation and promote sustainability of natural resources [[7 Key Actions](#)].
  - P2-S2: Develop appropriate energy management that enhances safe renewable energy (RE) and energy efficiency [[5 Key Actions](#)].



## Strategic Thrusts (3)

- **Principle 3 (P3): Integrated Planning and Implementation**
  - P3-S1: Institute measures to integrate cross-cutting issues in policies, plans, programmes and projects in order to increase resilience to and minimise negative impacts of climate change [[4 Key Actions](#)].
  - P3-S2: Support knowledge-based decision making through intensive climate related research and development and capacity building of human resources [[6 Key Actions](#)].

## Strategic Thrusts (4)

- **Principle 4 (P4): Effective Participation**
  - P4-S1: Improve collaboration through efficient communication and coordination among all stakeholders for effective implementation of climate change responses [[4 Key Actions](#)].
  - P4-S2: Increase awareness and public participation to promote behavioural responses to climate change [[2 Key Actions](#)].

## Strategic Thrusts (5)

- **Principle 5 (P5): Common but Differentiated Responsibility and Respective Capabilities**
  - P5-S1: Strengthen involvement in international activities on climate change based on the principle of common but differentiated responsibility [[4 Key Actions](#)].

## Green Technology & Climate Change Council (GTCCC)

### WORKING COMMITTEES (as of 26 August 2010)

- Industry
- Transportation
- Human Resource
- Research and Innovation
- Promotion and Public Awareness
- Adaptation \*\*

*\*\* Proposed at Workshop on 27 September 2010*

## MyCLIMATE Research Themes

- 1. CLIMATE CHANGE POLICY RESPONSES & NATIONAL SECURITY:-**  
**Monitoring** and documentation of international developments on the global climate regime for formulating strategic national positions and responses;  
**Mainstreaming** climate change into development, specifically balancing adaptation and mitigation;  
**Assessing** the economics of climate change adaptation and mitigation for selected sectors  
Development of indicators for climate change and national security.
- 2. CLIMATE CHANGE AND RESOURCE SUSTAINABILITY:-**  
**Identification** of knowledge gaps and security studies related to water, food & natural resources;  
Implications of climate change on minerals security for future development needs
- 3. CLIMATE CHANGE ADAPTATION AND DISASTER RISK REDUCTION:-**  
**Development** of **vulnerability assessment** methods for disaster risk reduction due to climatic hazards such as sea-level rise, flooding and flash floods as well as hazards associated other extreme climatic conditions that impact societal well-being.
- 4. CLIMATE CHANGE AND PUBLIC HEALTH:-**  
**Development** of **methods** to assess vulnerability and socio-economic impacts of climate change on public health;
- 5. CLIMATE CHANGE EDUCATION & COMMUNITY PARTICIPATION:-**  
**Assessment** of Higher Education Needs for Climate and Ecosystems Change and Adaptation;  
**Development** of training modules on climate change and disaster risk reduction [UNU Course]

## Biodiversity in the Context of NPCC

*Natural resources and environment (water, biodiversity, forestry, minerals, soil, coastal and marine and air);*

### **KA1 - ST1**

***Conduct systematic reviews and harmonise existing legislation, policies and plans,** taking into account and proposing relevant balanced adaptation and mitigation measures...*

### **KA13 - ST4**

*Incorporate measures, including **mobilising financing and technical assistance,** into the following areas...*

### **KA25 - ST6**

***Integrate measures into policies, plans, programmes and projects** in the following areas...*

## Ecosystems in the Context of NPCC

### KA15 - ST4

*Conserve and enrich carbon pools in natural ecosystems including plantations and promote rehabilitation of sensitive and degraded ecosystems through sound management practices and land use planning.*

### KA16 - ST4

*Identify and recognise the attribute and value of ecosystem services and integrate into the development planning process.*

### KA17 - ST4

*Develop national carbon accounting systems and baseline studies of forest ecosystems.*

### KA28 - ST7

*Establish and implement a national R&D agenda on climate change taking into account the following areas:...(Forestry and ecosystem services)*

### ACKNOWLEDGEMENT

LESTARI; UNDP; KeTTHA; EPU; WISMA PUTRA;  
NAHRIM; PTM; FRIM; MMD; MARDI; JPSM; JPBD; JAS;  
KPKT; MOSTI; MIMA; ISIS; RMK9 CLIMATE CHANGE  
PROJECTS; NC2; NCSA; MENGOs; FMM; ACCA; MICCI;  
BCSDM; ETC

# THANK YOU!

