

Inception Workshop on  
"Mainstreaming Climate Change in Agricultural and Water Sectors"  
10 August 2009, Kuala Lumpur

## Mainstreaming Climate Change: Development of the National Policy on Climate Change

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## Mainstreaming

Involving administrative actors & other stakeholders whose main tasks are not connected to mitigating or adapting to climate change, to initiate their own actions to promote these objectives.

Horizontal mainstreaming - taking account of climate change throughout all agencies/ministries

Vertical mainstreaming here refers to the integration of climate issues in a single sector through Federal, State and Local levels

## Climate Change – RMK9 Funded Initiatives

- Conduct Coastal Vulnerability Index (CVI) study;
- Implement coastline protection programme;
- Develop Integrated Coastal Zone Management;
- Implement flood mitigation programme such as the Stormwater Management And Road Tunnel (SMART) Project;
- Undertake study to identify the relationship between the impacts of climate change and vector-borne diseases.
- Increase supply and utilisation of alternative fuel such as renewable energy (RE);
- By 2010 about 300 MW of RE is expected to be generated and connected to the TNB Grid in Peninsular Malaysia and 50 MW to SESB Grid in Sabah;
- RE projects utilising municipal waste will be promoted;
- The Clean Development Mechanism (CDM) under the Kyoto Protocol will be utilised to provide support for the implementation of Small Renewable Energy Programme (SREP);
- Supply to 55,000 unit of houses electricity generated from technologies such as hybrid solar system and micro-hidro;
- Encourage energy efficiency in industrial, building and transport sectors;
- Protect forest areas via sustainable forest management to ensure the forest areas are maintained as sink to greenhouse gas, i.e. Carbon dioxide.

## Climate Change – National Scenario

### United Nations Development Programme (UNDP) / Global Environment Facility (GEF):

- 2<sup>nd</sup> National Communication (NC2) Project
- National Capacity Self Assessment (NCSA) Project
- GEF – Resource Allocation Framework 4 (GEF-RAF4)

### Ninth Malaysia Plan (RMK9)

- Policy Study on Climate Change (LESTARI/UKM)
- Preparation of GHG Inventory (PTM)
- Comparative Study on Carbon Sequestration (FRIM)
- Development of CDM Secretariat
- Public Awareness and Training Programmes (TrREES, MNS, CETDEM, UPM)

## Policy Study on Climate Change

- Kajian Dasar Perubahan Iklim*
  - RMK9 project
  - Conservation and Environmental Management Division (CEMD), Ministry of Natural Resources and Environment
  - Institute for Environment and Development (LESTARI), UKM

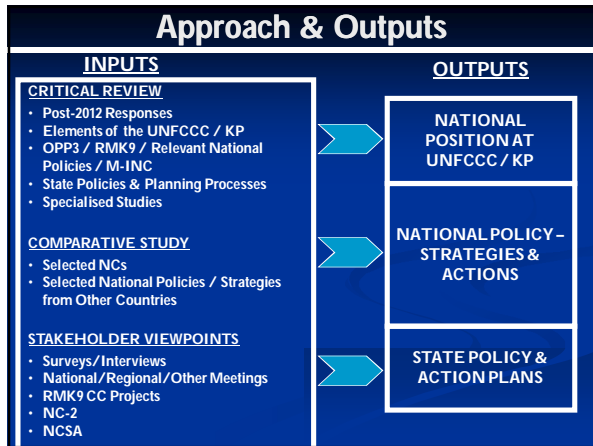
## Research Team

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## Elements of Climate Change Policies


Issues	UNFCCC Elements	NGO CC Action Plan	Singapore	Thailand	South Africa	Sweden	Finland	Proposed Climate Policy
<b>FEDERAL LEVEL</b>								
Vulnerability, Impacts & Adaptation	✓	✓	✓	✓	✓	✓	✓	✓
Mitigation / Kyoto Protocol	✓	✓	✓	✓	✓	✓	✓	✓
Research & Systematic Observation	✓	✓	✓	✓	✓	✓	✓	✓
Technology	✓	✓	✓	✓	✓	✓	✓	✓
Awareness, Education & Public Participation	✓	✓	✓	✓	✓	✓	✓	✓
Future Global Climate Regime	✓	✓	✓	✓	✓	✓	✓	✓
Reporting	✓	✓	✓	✓	✓	✓	✓	✓
Institutional Arrangement & Other Procedural/Administrative Issues	✓	✓	✓	✓	✓	✓	✓	✓
Financial Mechanism	✓	✓	✓	✓	✓	✓	✓	✓
<b>STATE LEVEL</b>								
<b>LOCAL LEVEL</b>								

1 A Proposal for a Malaysian Climate Action Plan

## Climate Change in Malaysia

- **Mitigation** – driven primarily by international agreements requiring national responses
- **Adaptation**
  - involves action by affected entities, requiring national, state, local and community level responses
  - is unavoidable
- Common but differentiated responsibility...
- Balancing adaptation and mitigation
- Focus – adaptation & co-benefits of mitigation
- R & D required to identify opportunities for synergies

## Need for Policy on Climate Change



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.

Source: NAHRIM (2006)

Potential implications

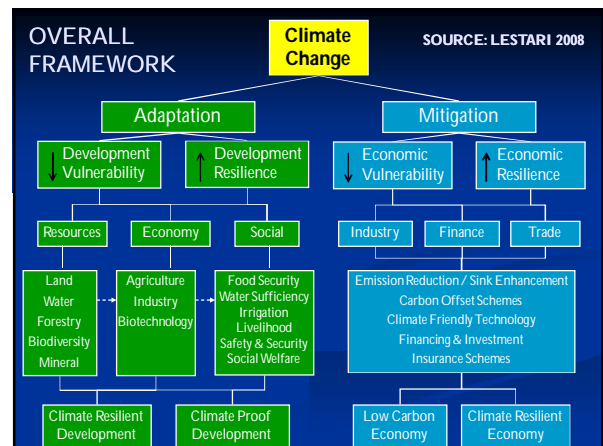
- Water balance → Water sufficiency
- Crops yields → Food security
- Plantation → Economic loss
- Infrastructure → Repairs & reconstruction

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

SOURCE: LESTARI 2008

## 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



## Stakeholder Consultation (Phase 1) – To Understand & Document Viewpoints

- 11 Meetings from 2005-2008 (Total Participants ≈ 500)

1. NRE/DANIDA – Workshop on Malaysia's Second National Communication to the UNFCCC, 17th January 2005, Kuala Lumpur.
2. NRE/DANIDA – Second Workshop on Malaysia's Second National Communication to the UNFCCC, 26th April 2005, Putrajaya.
3. NRE/DANIDA – Training Workshop National Communication, 27th October 2005, Putrajaya.
4. NRE/UNDP – Inception Workshop for Malaysia's Second National Communication, 19-20th March 2006, Port Dickson.
5. NRE/UNDP – Inception Workshop for Malaysia's National Capacity Needs Self Assessment for Global Environmental Management Project, 26th March 2006, Putrajaya.
6. MOSTI – National Seminar on Socio-Economic Impact of Extreme Weather and Climate Change, 21–22th June 2007, Putrajaya.
7. NRE/UNDP – East Coast Stakeholder Consultation Sessions on NCSA Biodiversity, Climate Change and Land Degradation, 4–5th October 2007, Kuantan.
8. NRE/UNDP – Conference on Climate Change Preparedness: Towards Policy Changes, 11th September 2007, Kuala Lumpur.
9. NRE/British High Commission – Regional Conference on Climate Change: Reducing the Threats and Harnessing the Opportunities of Climate Change, 29–30th October 2007, Kuala Lumpur.
10. LESTARI/NRE/IUGS-GEM/GTK – Forum on Cities and Climate Change, 9th November 2007, Putrajaya.
11. LESTARI/NRE/UNDP/ISIS – Roundtable Dialogue on "A New Approach to Climate Change: Balancing Adaptation and Mitigation", 25th February 2008, Bangi.

## Outputs – Stakeholder Consultation Reports

## Stakeholder Consultation (Phase 2) – To Inform on Policy Formulation & Solicit Inputs

- 7 Events from 2007-2008 (Total Participants ≈ 300)

1. NRE/UNDP – Sarawak Stakeholder Consultation Sessions on NCSA Biodiversity, Climate Change and Land Degradation, 23 – 24 October 2007, Kuching. (Topic: UNFCCC and Policy Study on Climate Change in Malaysia).
2. NRE/UNDP – Sabah Stakeholder Consultation Sessions on NCSA Biodiversity, Climate Change and Land Degradation, 1 – 2 November 2007, Kota Kinabalu. (Topic: UNFCCC and Policy Study on Climate Change in Malaysia).
3. National Environmental Conference – Facing Market Realities: Going Green for Sustainable Development, 17 – 18 January 2008, Kuala Lumpur. (Topic: Dealing with Climate Change – Initial Findings of a Policy Study).
4. Young Presidents Organisation – Outlook for the Year 2008: The Effects of Climate Change on Business, 24 January 2008, Kuala Lumpur. (Topic: Initial Findings of the Policy Study on Climate Change).
5. UKM – International Seminar on Climate Variability, Change and Extreme Weather Events (Towards Enhancing Understanding of Climate Variability and Change in the Maritime Continent and Indo-Pacific Region), 26 – 27 February 2008, Bangi, Selangor. (Topic: Initial Findings of the Policy Study on Climate Change).
6. MNS – Raptor Watch Weekend 2008, 15 – 16 March 2008, Negeri Sembilan. (Topic: Initial Findings of the Policy Study on Climate Change).
7. FMM – Seminar on "Conservation of Air and Ozone Layer", 26 June 2008, Kuala Lumpur. (Topic: Climate Change and Malaysia).

## Stakeholder Consultation (Phase 3) – To Review Policy Framework & Solicit Viewpoints

- 5 Meetings in 2008 (Total Participants ≈ 200)

Date	Meeting	Participants
15 May 2008	Peer-review Workshop on Draft Report	17 national experts
23 July 2008	Consultation Session with NGOs	10 organisations
1 August 2008	Consultation Session with Business & Industrial Groups	4 business groups (MICCI, FMM, BCSDM & ACCA)
5 August 2008	Consultation Session with NC2 Project Members	12 government agencies
21 August 2008	National Steering Committee on Climate Change Meeting	≈ 15 agencies + NGO
4 September 2008	Briefing to the NRE Minister	Minister and Senior Officials

## Stakeholder Consultation (Phase 4) – To Review Draft Policy & Key Actions

- National Consultation Workshop, 24 – 25 September 2008, Putrajaya (Total Participants ≈ 60) – **Agreement Obtained.** Request made for final round of consultation.
- Inputs officially requested from the State Governments of Sabah and Sarawak.
- Consultation Meeting in Sabah organised by the Sabah State Economic Planning Unit, 12 December 2008 – **Agreement Obtained.**
- Submission of Stakeholder Consultation Report & draft policy to NRE (ver 23 Dec 2008)
- Briefing to NRE's KSU & TKSU (10 June 2009)
- Decision on Final Stakeholder Consultation (16 June 2009)

## National Policies Relevant to Climate Change

Policy	Policy Objective	Policy Principle	Strategies	Key Actions	Ministry
National Assessment Policy					
National Policy on Biological Diversity					Ministry of Natural Resources & Environment
National Mineral Policy					
National Forestry Policy 1978 (Revised 1997)					
National Energy Policy					
National Population Policy					
National Aquaculture Policy 1999					
Four Jaws – Diversification Policy 1981					Ministry of Water, Energy & Communications
Sustainable Energy in the Fifth Five Plan Policy (2002)					
The National Interdependence Policy					
National Policy on Science and Technology					Ministry of Science, Technology and Innovation
National Biotechnology Policy					
National Urbanisation Policy					Ministry of Housing & Local Government
National Traditional Complementary Medicine Policy					Ministry of Health
English Language Instruction Policy					Prime Minister's Office
Dasar Perindustrian Beras di Indonesia					
Dasar Eksportasi Industri di Asia Tenggara					
Dasar Perindustrian Negeri					
Dasar Pembangunan Nasional					
Dasar Peningkatan Perikanan					
Dasar Peningkatan Pertanian					
Dasar Menteri Negara					Ministry of Education, Ministry of Women, Family & Community Development
Dasar Sosial Negara					
Dasar Pertanian Negara					Ministry of Domestic Trade & Consumer Affairs

## Draft National Policy on Climate Change

### Contents:

- Preamble
- Policy Statement
- Rationale
- Objectives
- Principles
- Strategic Thrusts
- Key Actions
- Glossary

## Other National Climate Change Policies

Country	Climate Change Policy	Proponents/Focal Point
Singapore	National Climate Change Strategy	National Climate Change Committee (Focal Point: Ministry of Environment and Water Resources)
Thailand	Thailand's Strategic Plan on Climate Change (2008 – 2012)	Ministry of Natural Resources and Environment
South Africa	A National Climate Change Response Strategy	National Committee for Climate Change (Focal Point: Department of Environmental Affairs and Tourism)
Sweden	The Swedish Climate Strategy	Ministry of the Environment
Poland	Poland's Climate Change Policy	Ministry of Environment
Finland	Energy and Climate Policy for the Near Future – National Strategy to Implement the Kyoto Protocol	Ministry of Employment and the Economy
	Finland's National Adaptation Strategy	Ministry of Agriculture and Forestry
	United Nations Framework Convention on Climate Change	Ministry of Environment

## National Drivers

1994 - National Focal Point for the UNFCCC (Ministry of Ministry of Natural Resources and Environment)

1994 - National Climate Change Steering Committee (Chair: Secretary-General, Ministry of Ministry of Natural Resources and Environment)

2009? - National Climate Change Cabinet Committee (Chair: Prime Minister of Malaysia; Secretariat: Ministry of Ministry of Natural Resources and Environment)

## Project Recommendations

- The Draft National Policy on Climate Change to be tabled to the Cabinet Committee on Climate Change for consideration and endorsement for implementation.
- A dedicated Climate Change Unit be established to coordinate implementation of the Policy.

## Recommendations for Mainstreaming

- National Policy should be deemed politically significant: Commitment of the Prime Minister and other key Ministers are critical.
- Federal and state budgets should integrate climate change programmes.
- Ministries and agencies to annually prepare action plans to implement the National Policy
- Strengthening present functions of Focal Point and consider establishment of a new function; to be responsible for mainstreaming climate change.
- Establishment of a national level expert group
- Ascertain what legislative changes would best ensure incorporation of climate change elements.
- Research should be initiated, which contributes to the mainstreaming of the National Policy.

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# THANK YOU!

