

**LOCARNET 8<sup>TH</sup> ANNUAL MEETING PROGRAM  
NOVEMBER 8, 2019, BEIJING, CHINA.**

**Climate Change Policies and Roles of Research  
Communities in Lao PDR**

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# National Institutional Arrangement

## National Steering Committee



MONRE/NFP

**Technical Working Group on Climate Change, TWGCC**

Established on 11 February 2013

### ➤ Chair and Members for committees

**Chair:** Department of Climate Change, MONRE

**Members:**

- 1) Ministry of Agriculture and Forestry
- 2) Ministry of Energy and Mines
- 3) Ministry of Public Works and Transport
- 4) Ministry of Science and Technology
- 5) Ministry of Industrial and Commerce
- 6) Ministry of Public Health
- 7) **Ministry of Education and Sport**
- 8) Lao Women Union



# COLLABORATION BETWEEN MONRE & NUOL

- 2018 MOU between MONRE & NUOL has been Signed
- 2019 recently, MOA between Faculty of Environmental Science and Department of Climate change management has been signed
  - ❖ Component 1: Capacity building
    - Support Technical Training Materials on CC
    - Develop curriculum of Climate change for master degree
  - ❖ Component 2: Academic Research (support policies)
    - ❖ GHG, MRV NDC and action plan for climate change mitigation and adaptation
    - ❖ Activities support cc Strategies, communication reports
  - ❖ Component 3: Institutional Collaboration/ National and International
    - ❖ Support: exchange human resources, develop proposal, internship consultancy, and networking





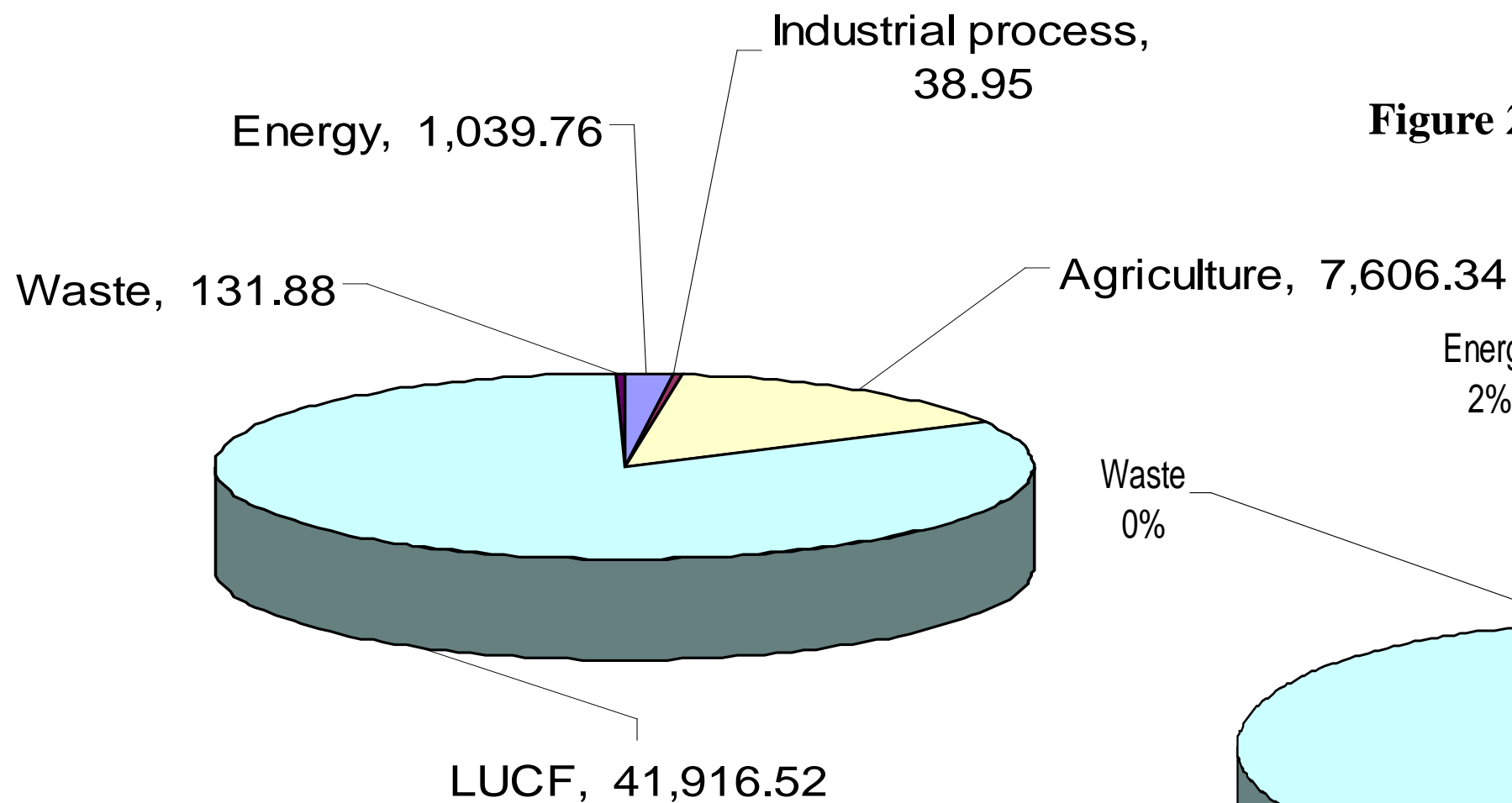
# Climate Change Policies



Decree  
2019

- GHG report every 2 years
- 3<sup>rd</sup> Communication report

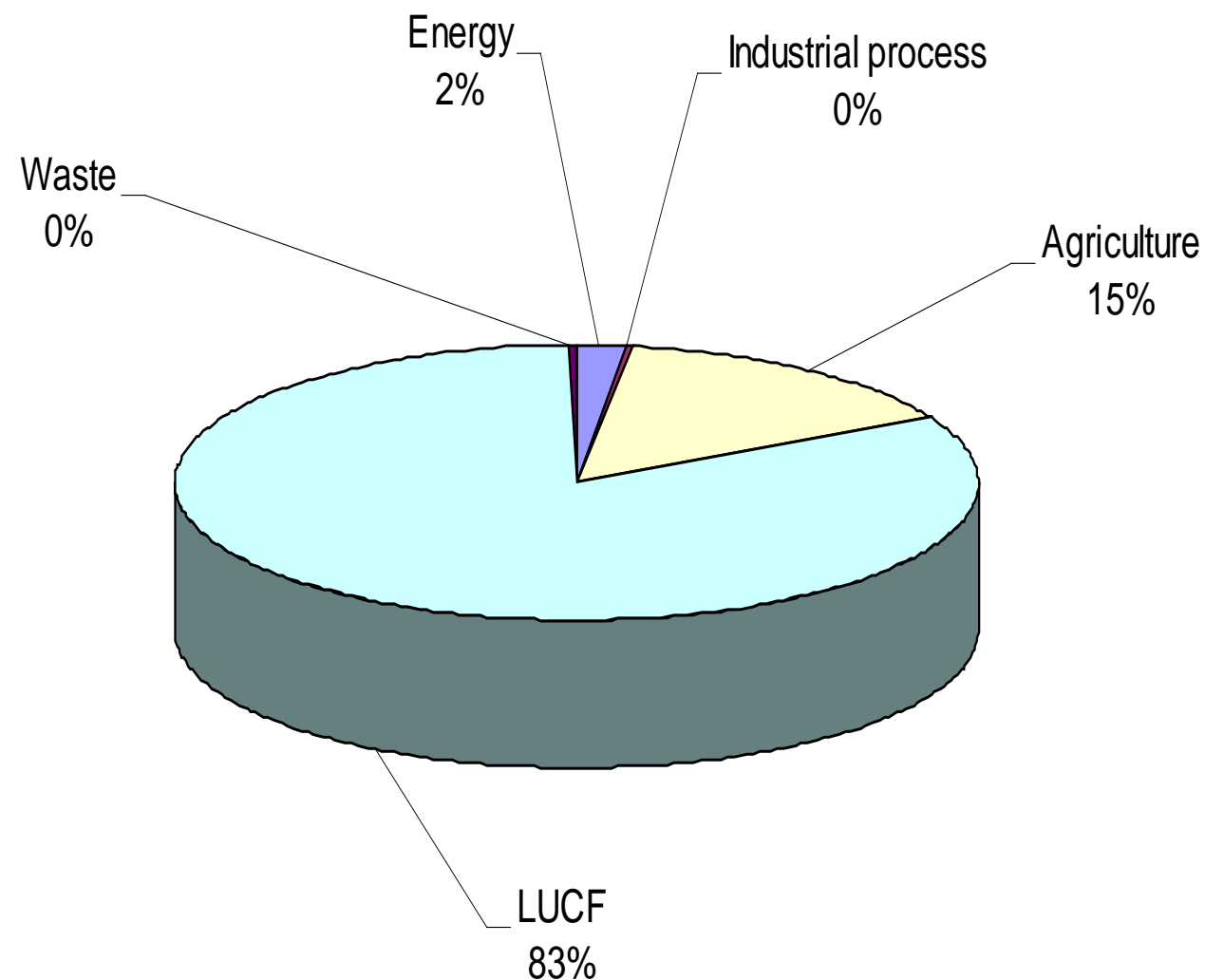
# Main Emissions Sources in Laos



**Figure 1: Total emission by sector in Gg of CO<sub>2</sub> equivalent in 2000**

Source : SNC, 2013

**Figure 2: Percentage of emission by sector, 2000, Lao PDR**





## STATUS OF THE LAO'S NDC

## Background

The Lao PDR is a party of the UNFCCC in the 04 April 1995.

Main obligation of the Lao PDR:

- Development and report of GHGs emission inventory, including the development and regular report the outcomes of GHGs emission mitigation and adaptation measures;
- Promotion and cooperation in different ranges on technology development and transfer, trainings, dissemination and public awareness campaign on climate change;

# NDC GHG MITIGATION ACTIONS

Name of Activities	Objectives of the Activities	Estimated CO <sub>2eq</sub> reduction
Implementation of “Forestry Strategy to the year 2020” of the Lao PDR	Increase forest cover to 70% of land area by 2020 (16.58 million. hr).	69,183,340 tCO <sub>2e</sub>
Implementation of Renewable Energy Development Strategy	Increase the share of renewable energy consumption by 2025; For transport fuels, increase the share of biofuels to meet 10% of the demand by 2025.	478.000.000 tCO <sub>2e</sub> from 2015 to 2020; and 770.000.000 from 2020 to 2025
Implementation of Rural Electrification Programme	95% of households access to electricity by 2020 (94% in 2017).	63.180 tCO <sub>2</sub> /pa or 630.180 tCO <sub>2</sub> from 2010 to 2020.



# INDC GHG MITIGATION ACTIONS (CONT....)

Name of Activities	Objectives of the Activities	Estimated CO <sub>2eq</sub> reduction
Implementation of transport focused NAMAs	<ul style="list-style-type: none"> <li>Better road networks, vehicle kilometres reduce vs BAU scenario;</li> <li>Improve public bus services.</li> </ul>	<p>Road network development 32, 746 tCO<sub>2</sub>/pa, and 158, 343 tCO<sub>2</sub>/pa for public transport development</p> <p>Or totally 300.000 tCO<sub>2</sub> from 2010 to 2020</p>
Implementation of Climate Change Action Plan	Continue to develop climate change policies and implementation plans	To be estimated as part of the implementation plan



**IMPLEMENTATION  
PROGRESS**

- Initial progresses and next steps
  - General introduction on universal NDC procedures and targets (*end of 2017*);
  - Agreement among line agencies to setup the Technical Working Group on Lao NDC, which will include line departments and divisions at central level with ToRs. The Working Group prefers to meet twice a year and develop Lao NDC report once a year (*mid 2018*);
  - Review the institutional arrangement of the national climate change steering body (*partially done*);
  - Development of the NDC road map and comprehensive implementation plan at cross-sectorial and sectorial levels, in consistency to the international agenda (*initialing*);

# IMPLEMENTATION PROGRESS

- Initial progresses and next steps
  - **Rapid Appraisal** for initial NDC progress (*done at the first stage, but need to conduct regular timeframe that need to set in the NDC road map and implementation plan*);
  - Conduction of **comprehensive trainings** in different topics to support the actual implementation of NDC, including the intensive programs for key line agencies (*not yet*);
  - Conduct regular **MRV** (*not yet*);
  - Increase the stable, continuing and program based **financial support** for climate change, especially the Green Climate Fund (GCF) (*initiating*).



# IMPLEMENTATION PROGRESS

- **Cooperation with the Global Green Growth Institute (GGGI)**
  - Roadmap for **Updating Lao NDC** for 2020 onwards, which is expectedly to be completed in mid 2020.
- **Cooperation with the NDC Partnership**
  - Lao PDR has been the NDC Partnership in June 2019. The **National Focal Points** are based at:
    - the Department of Climate Change (DCC), Ministry of Natural Resources and Environment (MONRE); and
    - The Department of International Cooperation (DIC), Ministry of Planning and Investment (MPI).
  - The NDC Partnership is having a **preliminary mission** to Lao PDR during 10 and 13 September 2019 on the Climate Action Enhancement Package - CAEP for assessing on:
    - Policy support and planning for NDC target achievement;
    - Information exchange for multilateral supportive arrangement among members;
    - Financial access for NDC implementation.





# LESSON LEARN

- Laos has made good progress in developing policies and strategies on climate change, in particular NSCC, CCAP (2013-2020), INDC, CCD, NC, BUR...
- The country has established strong multi-stakeholder mechanisms to facilitate discussions to the climate change activities.
- Contribution to GHG emission reduction through CDM, JCM, REDD+, NAMA...
- Mainstreaming the climate change activities into NSEDP and supporting the Sustainable Development Goal (SDG)
- Increase resilient of key sectors of national economic and natural resources to climate change and its impacts
- Improve public awareness and understanding of various stakeholders
- Strong support from political level
- Implementation of **UNFCCC** and its underneath agreements is **more comprehensive, group specific and localized approaches**;
- Lao PDR has **strong ambition** and **more engagement** to contribute to global warming reduction on its voluntary basis, while enhancing its adaptable climate change capacity and resilience, with international resources supports.

# CHALLENGES

- Poor database to support climate change activities. At present, the system of database has not been developed
- Developing research and capacity building on climate change in all areas
- Developing policies for climate financing options.
- Effectively monitoring and evaluating to fulfil climate change strategic plan and policies
- Limited number of participants and advance pre-attend negotiation process;
- Understanding on climate change process still limited for line agencies
- Mainstreaming the national climate change strategy into strategies of sectors related with climate change
- Limited financial supporting for climate change activities
- Limited national expert for Climate Change.
- Limitation of international agreement and national policies **dissemination** in to practices at sectorial and local levels;
- Limitation of **technicians** with specific climate change and other relevant backgrounds; and
- Limitation of capacity to access to updated global **innovation, technologies and resources**, including finance.



# CLIMATE CHANGE AND EDUCATION

- MOU between MONRE & National University
- DCC&FES has been signed MOA for:
  - Human resources development and sharing technical knowleges
  - Climate change curriculum development for higher education (bachelor and master program)
  - Climate change research/adaptation/Mitigation/innovation
  - Short course training by needs from local government
- National working group support:
  - communication report, technical workshop, short course training
- Develop proposal and submission for GEF, UNEP
  - component 2: capacity building and curriculum development
- National Consultant on capacity building for Low Emission

Development Strategies projects, ICLEI and UN-Habitat for 2 model Cities

# REACT UNIT-NUOL-FES

- Established REACT unit for Capacity building ...
- Collaborate with AUN partners for proposal application: EU\_Erasmus+program, UN agencies
- REACT-NUOL is become Data base center and information Hub for research and professor, researcher expertise in CC
- National and International Institutional networking such as:



# REACT RESEARCH & ACADEMIC SUPPORT UNITS IN CLIMATE CHANGE

- ❖ Offer a **support service** in terms of Research and Development with special focus on Climate Change and related disciplines to **academic community** and beyond.
- ❖ **Support academics** for integrating R&D in Climate Change within the study program offer of the Universities, contemplating a competence-based approach with input from the private sector.
- ❖ Are a main tool to **foster national and regional cooperation** as well as synergies and complementarities.
- ❖ **Promote the expertise of researchers** in their institutions and in the Network **at national and international level**.
- ❖ Are a key actor in **raising awareness on Climate Change** and in **disseminating Climate Change research** to governments and civil society.
- ❖ Serve as a **bridge between the HEIs and the stakeholders** interested in Climate Change



# REACT RESEARCH & ACADEMIC SUPPORT UNITS IN CLIMATE CHANGE



**Cambodia:**  
**Royal University of Agriculture (RUA)**



**University Heng Samrin Thbongkhmum (UHST)**



**Laos:**  
**National University of Laos (NUoL)**



**Souphanouvong university (SU)**



**Vietnam:**  
**Ho Chi Minh University of Social Sciences and Humanities (USSHHCM)**



**Hue university of agriculture and forestry (HUAF)**



# REACT NETWORK

- ✓ REACT NETWORK FOR CLIMATE CHANGE RESEARCH & EDUCATION IN SOUTHEAST ASIA

The **Vision** of the REACT Climate Change Network is to be a leading platform to support Climate Change research and education in Southeast Asia.

The **Mission** of the REACT Climate Change Network is to

- a. Promote Climate Change Research & Innovation in Southeast Asia,
- b. Facilitate networking and cooperation between Climate Change researchers and institutions in Southeast Asia,
- c. Disseminate research results to stakeholders in order to increase awareness of Climate Change issues and influence policy,
- d. Support and develop Climate Change training and awareness initiatives.



# OUR PARTNERS



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EN SCIENCE DU RISQUE

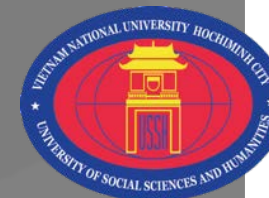


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**Thank you very much**

