



seadpri
southeast asia disaster prevention research initiative

IRDR ICoE
International Research on Disaster Risk
International Centre of Excellence

IDRC CRDI
Canada

Workshop on Promotion of Social Entrepreneurship in Disaster Risk Reduction ***Shah Alam, Malaysia*** ***21 January 2020***



PPPRBM
PERTUBUHAN PERKHIDMATAN
PENGURANGAN RISIKO
BENCANA MALAYSIA

Inspire
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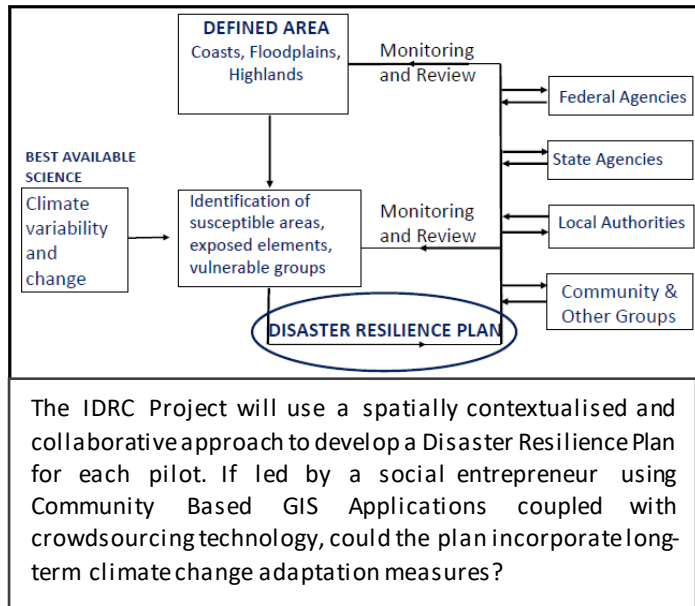


Asian Network on
Climate Science and Technology
(ANCSST)



INTRODUCTION

The Intergovernmental Panel on Climate Change (IPCC) has reported that economic losses are expected to be highest in tropical regions such as Southeast Asia as global warming increases to 1.5°C. The prognosis for a 1.5°C world includes a higher number of hot days and heavy rains, higher risks of floods, flash-floods and landslides with increased exposed populations, particularly in coastal areas. The State of Selangor Darul Ehsan has been increasingly affected by climate-related disasters over the decades and such events are expected to escalate with global warming. Improved knowledge and awareness on the risks of climate-related hazards at the local level, community engagement and stakeholder participation, specifically the involvement of local authorities is vital to build resilience in Selangor. The International Development Research Centre (IDRC) of Canada has sponsored a project titled “Promotion of Social Entrepreneurship in Disaster Risk Reduction to Build Community Resilience” to conduct action-oriented research and capacity-building via four pilots – three in Malaysia and one in Cambodia. The IDRC Project is led by Universiti Kebangsaan Malaysia’s Southeast Asia Disaster Prevention Research Initiative (SEADPRI-UKM) in collaboration with several institutions, where a key implementation partner in Malaysia is the Selangor State Government, represented by the Selangor Disaster Management Unit. The Workshop marks the launch of the IDRC Project to foster long-term community resilience by empowering young social entrepreneurs to develop disaster resilience plans using citizen science and digital platforms.



OBJECTIVES

The workshop will serve as a platform for:

- ❖ Promoting social entrepreneurship in disaster risk reduction for building community resilience;
- ❖ Sharing research findings on climate-related hazards in Selangor with multiple stakeholders; and
- ❖ Bringing together local authorities, operational agencies, youth groups and other stakeholders to discuss the challenges of managing disaster risks in a changing climate.

INTERNATIONAL SPEAKERS

- ❖ **Dr. Chinnh Nyda** is an academic with the Royal University of Phnom Penh (RUPP) and conducts research on climate change adaptation and rural development in Cambodia.
- ❖ **Sukhreet Bajwa** is a disaster management professional working with RIKA India - a social enterprise in the field of disaster risk reduction, sustainability and climate change.
- ❖ **Hilman Arioaji** is co-founder of Guerrilla Collective Indonesia and co-leader of the Innovation Room in U-Inspire Indonesia; actively connecting local communities with technology for disaster resilience.
- ❖ **Dr. Sharina Abdul Halim** is a Lead Author of the IPCC Special Report on Global Warming of 1.5°C and Asia Chapter of the Working Group II contribution to the IPCC Sixth Assessment Report.



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SCHEDULE

| | |
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| 0800-0900 | Registration |
| SESSION 1: OPENING & IDRC PROJECT LAUNCH <i>Moderator: Professor Dr. Joy Jacqueline Pereira, SEADPRI-UKM</i> | |
| 0900-1000 | <ul style="list-style-type: none"> Doa Recital Remarks from the High Commissioner of Canada in Malaysia Officiating Keynote and Launching of the Project |
| 1000-1030 | Tea Break |
| SESSION 2: SOCIAL ENTREPRENEURSHIP AND CITIZEN SCIENCE IN DISASTER RISK REDUCTION <i>Moderator: YM Tengku Datuk Dr. Mohd Azzman Shariffadeen, Academy of Sciences Malaysia</i> | |
| 1030-1300 | <ul style="list-style-type: none"> Social Entrepreneurship in Disaster Risk Reduction Sukhreet Bajwa, RIKA India Pvt. Ltd. Digital Platforms and Citizen Science for Drought in Cambodia Dr. Chhinh Nyda, Royal University of Phnom Penh Digital Mapping and Citizen Science in Indonesia Hilman Arioaji, U-Inspire Indonesia Weather Forecasting and Citizen Science in Malaysia Wan Maisarah Wan Ibadullah, Malaysian Meteorological Department <p>Q&A and Discussion</p> |
| 1300-1400 | Lunch |
| SESSION 3: HAZARDS AND YOUTH PARTICIPATION IN DISASTER RISK REDUCTION <i>Moderator: Dr. Nurfashareena Muhamad, SEADPRI-UKM</i> | |
| 1400-1530 | <ul style="list-style-type: none"> Landslides Hazards in Ampang Jaya, Selangor Dr. Lim Choun Sian, SEADPRI-UKM Sea-level Rise and Emerging Hazards in Kuala Selangor Umi Amira Jamaluddin, SEADPRI-UKM Youth and Social Entrepreneurship Dr. Madeline Berma, Academy of Sciences Malaysia Youth Participation in Disaster Risk Reduction and Climate Change Dr. Sharina Abdul Halim, Institute for Environment and Development, UKM <p>Q&A and Discussion</p> |
| 1530-1600 | Tea Break |
| PANEL SESSION: CHALLENGES IN MANAGING DISASTER RISKS <i>Moderator: Mr. Ahmad Fairuz Mohd Yusof, Head, Selangor State Disaster Management Unit</i> | |
| 1600-1700 | <ul style="list-style-type: none"> Managing Disaster Risks: The National Perspective National Disaster Management Agency (NADMA) Managing Disaster Risks: The Shah Alam Experience Shah Alam City Council (MBSA) Managing Disaster Risks: The Ampang Jaya Experience Ampang Jaya Municipal Council (MPAJ) Managing Disaster Risks: The Kuala Selangor Experience Kuala Selangor District Council (MDKS) <p>Discussion: Potential for Social Entrepreneurship and Youth Participation in Disaster Risk Reduction</p> |
| 1700-1730 | Closing & End of Workshop |

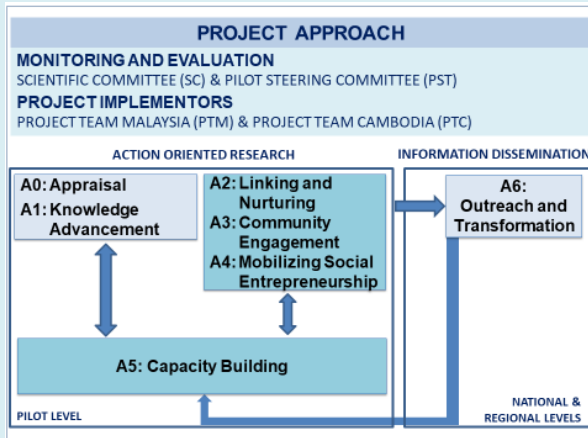


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PROMOTION OF SOCIAL ENTREPRENEURSHIP IN DISASTER RISK REDUCTION TO BUILD COMMUNITY RESILIENCE

Entrepreneurship is crucial both to long-term community resilience and to reducing poverty, vulnerability and disaster risk in communities moving toward recovery and reconstruction. This project aims to foster long-term community resilience to climate change in Malaysia and Cambodia by empowering young female social entrepreneurs to develop disaster resilience plans via the use of both geographical information system and crowd-sourcing technology. The project conducts action-oriented research and capacity building activities via four pilots - three in Malaysia and one in Cambodia to investigate fast- and slow-onset hazards specific to these areas. The pilots are to build a cohort of social entrepreneurs, with linkages to policy-makers, civil society and researchers, to foster long-term community resilience. It should positively impact youths, who will serve as catalysts to promote broader civil-society engagement and mobilize female social entrepreneurship in the development of disaster resilience plans in the four pilots. The disaster resilience plans will help the Governments of Selangor Darul Ehsan and Kampong Speu Province to identify local disaster risk reduction strategies as the climate changes. The project will support implementation of the Sendai Framework on Disaster Risk Reduction and contribute to sustainable development.



| SPECIFIC OBJECTIVES | WORK PACKAGES | MAJOR ACTIVITIES | KEY OUTPUTS |
|---------------------|---------------|--|--|
| 01 | Knowledge | A0. Appraisal | Synthesis Paper on Social Entrepreneurship |
| 02 | | A1. Knowledge Advancement | Hazard Specific Susceptibility Maps |
| 03 | Pilots | A2. Linking and Nurturing | Disaster Resilience Plan |
| | | A3. Community Engagement | Community Based GIS Applications |
| 04 | Partnership | A4. Mobilizing Social Entrepreneurship | Register of DRR Social Entrepreneurs |
| 05 | Training | A5. Capacity Building | Handbook for DRR Social Entrepreneurs |
| 06 | Dissemination | A6. Outreach and Transformation | Roadmap for Social Entrepreneurship in DRR |

Project Leader:

Professor Joy Jacqueline Pereira
SEADPRI-Universiti Kebangsaan Malaysia

Key Implementation Partner:

Selangor Disaster Management Unit

Project Partners:

- ❖ Geological Society of Malaysia (GSM)
- ❖ Malaysian Disaster Risk Reduction Service Organization (MDRRSO)
- ❖ Academy of Sciences Malaysia (ASM)
- ❖ Royal University of Phnom Penh (RUPP)



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