

Development of Community Environmental Education Programmes through Co-construction Process

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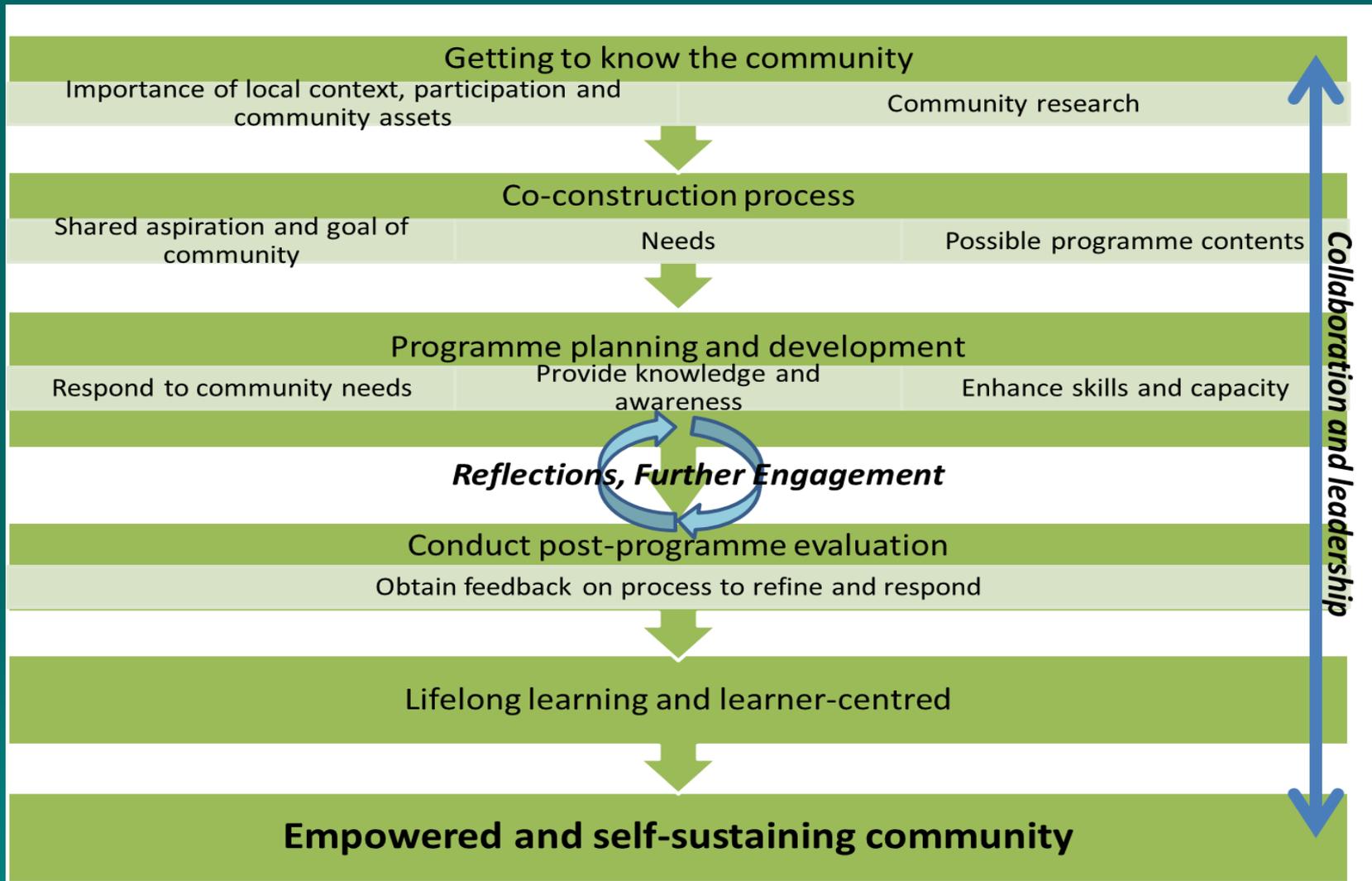
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Introduction

- Community environmental education (CEE) focuses on environmental issues and how a community could work together to address existing environmental challenges or to prevent new ones.
- This paper focuses on a co-construction process which is one of the approaches in developing CEE programmes.

Community Environmental Education Model



Mainstreaming the Co-construction Process: Challenges

- A comprehensive co-construction process may take time.
 - To collect data, surveys (questionnaire and interviews), focus workshop and dialogues need to be carried out. The findings would then guide the development of the programme.
- Gaining support is difficult unless there is a strong rapport with key champions and leaders.
- The key barriers that might hinder participation are lack of time, lack of incentives or motivation to contribute.

Mainstreaming the Co-construction Process: Addressing Challenges

- The research conducted in Beaufort from 2012-2015 encountered some of the challenges.
 - Due to time constraints, a comprehensive co-construction process could not be carried out.
- Lessons learned from the research have improved the development of CEE programme in a current pilot study conducted by the Environment Protection Department Sabah and the Natural Resources and Environment Board Sarawak.
 - Pilot Study in Kg. Darau, Kota Kinabalu
 - deeper interaction and reflections about strengths, assets, opportunities, needs, barriers and shared aspirations

No.	Principles/Themes/Barriers (based on Data)	Theoretical Principles	Actions
1.	<p>Perceptions : Importance of the Environment</p> <p>Understanding of what the Environment is</p> <ul style="list-style-type: none"> -River -Forest <p>Importance of the Environment</p> <ul style="list-style-type: none"> -5/70 villagers did not perceive the environment as Important 	<p>Local Awareness & Knowledge Attitudes</p>	<p>Emphasise in the presentation the importance of the ecosystem services and holistic role of the environment</p>

Example of the process of how intervention is developed for the community environmental education programme

No.	Principles/Themes/Barriers (based on Data)	Theoretical Principles	Actions
2.	<p>Awareness activities suggested by the villagers</p> <p>Survey: Talks/seminar/workshop Hands on/field work Study visit</p> <p>Focus workshop: Composting demonstration Hands-on Study visit</p>	<p>Local Awareness & Knowledge</p> <p>Participation</p> <p>Skills/Capacity</p> <p>Building Attitude</p> <p>Lifelong Learning</p> <p>Learner centred</p>	<p>Talks : Powerpoint Presentation</p> <p>Hands – on : Making candles using used cooking oil, activity of kids</p> <p>Study visit: Sustainable Organic Gardening School in Penampang (28 March 2017)</p> <p>Composting</p>

Example of the process of how intervention is developed for the community environmental education programme

Community Environmental Education Programme in Kg. Darau (2 April 2017)

Residents get tips on environmental care



Kamarlin receives a memento from Kampung Darau chief, Jati bin Ejan (left)

KOTA KINABALU: More than 80 residents of Kampung Darau in Manggatal near here participated in the "Community Environmental Education" programme on Sunday.

Several talks were held with speakers from government agencies such as the Environmental Protection Department and the Environmental Department.

Other activities were producing compost using garden wastes, an environmental exhibition, making candle with used cooking oil

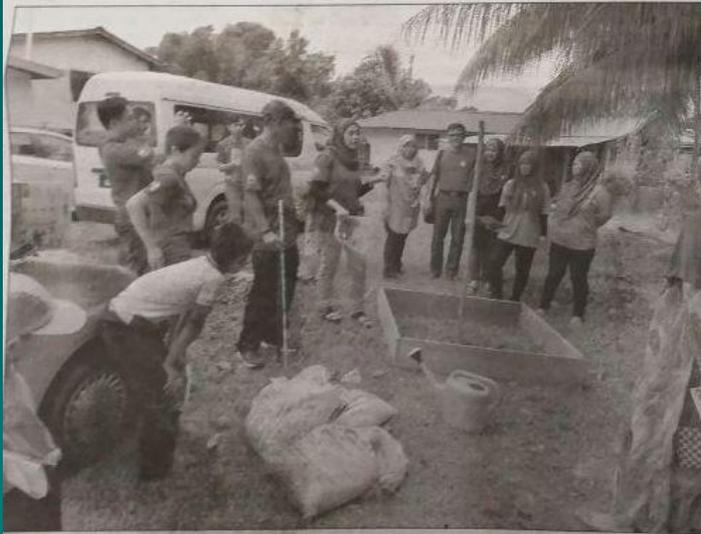
and children's colouring contest.

Environmental Protection Department director, Haji Mohd Yusrie Abdullah said the programme is a pioneer project in collaboration with the Sarawak Natural Resources and Environment Board.

Sabah Tourism, Culture and Environment Assistant Minister Datuk Haji Kamarlin Haji Ombi when officiating at the programme highlighted the importance of taking care of the environment. — PR



Candle-making with used cooking oil



Producing compost using garden wastes



Children's colouring contest

Mainstreaming the Co-construction Process: Recommendations

- If time is a limiting factor:
 - The co-construction process could be modified to involve a smaller group of community members.
 - Questionnaire or interview process could be shortened to reduce time for data analysis and programme planning.
- Creating rapport with the leaders should be carried out in the beginning by creating awareness on how the EE programme could benefit the entire community.
- When strong support is gained from the leaders, this could influence more participation from the other villagers.