



Human-Computer Interaction

Class Code: BSCS-F2015A

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CECOS

UNIVERSITY



Exampler Projects

Work with (very) Remote Communities



Living Labs-Locations

CBC-Yan Kecil
CBC Guar Chempedak
CBC-Yan Besar

CBC- Bukit Besar
CBC-Kuala Sala
CBC-Limau Dalam

Gua Musang-
Kelantan

Kuala Lipis,
Pahang

CBC-Bowang
CBC-Bogag
CBC-Skio
CBC- Kg Serasot
CBC- Krokong
CBC-Sibuluh

CBC-Daro
CBC-Meradong
Rumah George

CBC-
Sungai
Asap

Buayan

Larapan

Ba'Ke-
lalan-

Bario

Lamai

CBC-Engkilili
CBC Lubok
Antu





Communities

- Bario: Kelabit
- Ba'Kelalan: Lun Bawang
- Long Lamai: Penans
- Pulau Lারণ: Bajau
- Kpg. Buayan: Dusun
- Pos Sinderut, Pos Lenjang: Semai
- Pos Gob, Pos Balar: Temiar
- Bau districts: Bidayuh
- Yan district: Malays
- Daro: Melanau
- Meradong, Engkilili, Lubok Antu: Iban
- Sungai Asap: Kenyah, Kayan, Penans



CoERI Model: Transdisciplinary Approach



Social Scientists

Community Engagement & Needs Analysis



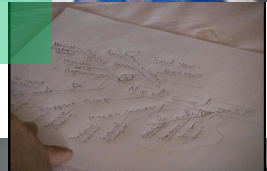
Evaluation & Reflection



**Social Scientists
Technologists
Economics & Business**

**Social Scientists
Technologists
Economics & Business**

Planning & Design



Technology access & Deployment



**Technologists
Economics & Business**

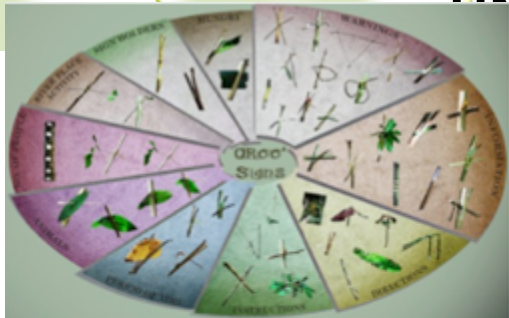


Exampler Project: Oroo' Digitization

A photograph of a lush green forest. In the foreground, a dirt path leads into the woods. Several long, thin wooden poles are leaning against trees and bushes. The background shows a dense canopy of green trees and a glimpse of a blue sky in the distance.

We are from the same group. I'm alone, very very hungry and I have only water to survive. I am going to the river for fishing [Distance and direction also specified]. Follow me and if you have anything to eat please bring along....

Oroo' Signs Documentation:NUST,



Oroo' Tangibles: UoA, NUS, UNIMAS



Digital Educational Game, UNIMAS



PO-SMS: NUST, UNIMAS



Exemplar Project: UNICOR Service Learning Program

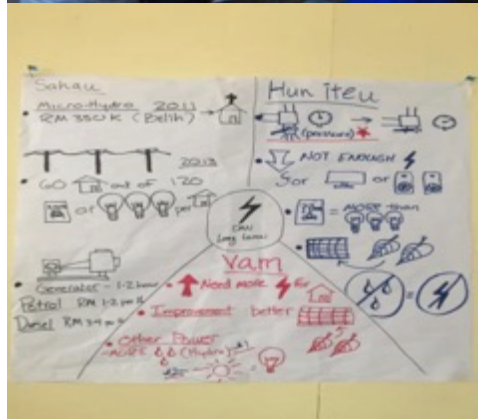


Student – Community Activities

1. Interviews
2. Workshops
3. Site visits
4. Cultural activities
5. Visual charting
6. Walking tours
7. Research projects
8. Feedback
9. Reflection



- 4 teams were formed to investigate the root causes of the issues, document the history, and identify alternatives for future inquiry
 - Teams included both students and community members



Long Lamai Research Projects



Information Technologies

- Access, use, sustainability, UNIMAS support, impact



Potable Water

- Dam and pipe maintenance, assistance (government, others), household delivery, rainwater harvesting.



Community-based Eco-tourism

- Carrying capacity, homestay standards, access, marketing, organisation, handicrafts, trails, culture.



Electricity

- Hydro efficiency, household delivery, demand & supply, solar alternatives.



Takeaway: Research Collaboration for win-win situation



Takeaway: Design in the wild





Jian Kenin

Q & A

