



Narayanan Kulathuramaiyer





Mar 23, 2021 5:00 – 6:30 PM (17:00) CET Lecture Series

"Digital Society, Social Justice and Academic Education" ➤ Panelists: Saa Dittoh (UDS, Ghana), Narayanan Kulathuramaiyer (UNIMAS, Malaysia), Anna Bon (VU Amsterdam, the Netherlands) Moderator: Hans Akkermans (w4ra.org, the Netherlands)

Agenda

- Background
- eBario Story
 - eBario as a project
 - Replication and expansion
 - Impact and indirect impact
- Digital Humanism, Community/Social values (Justice)/Engagement of research/Education program

SARAWAK Land of the Hornbills

Area: 124,450 km² Population: 2.79 million (2018)

More than 40 sub-ethnic groups, each with its own distinct language, culture and lifestyle. A magnet for researchers and nature-lovers alike, its opulent biodiversity and natural resources spell a uniqueness which cannot be found elsewhere.

Singapore



Osario

Mukah Research Centre

Kuala Lumpur Learning Centre

Kota Samarahan



Penang

Mission To enhance the social and economic impacts on the global community through the pursuit of excellence in teaching, research and strategic engagement

A leading global university for a sustainable

Vision

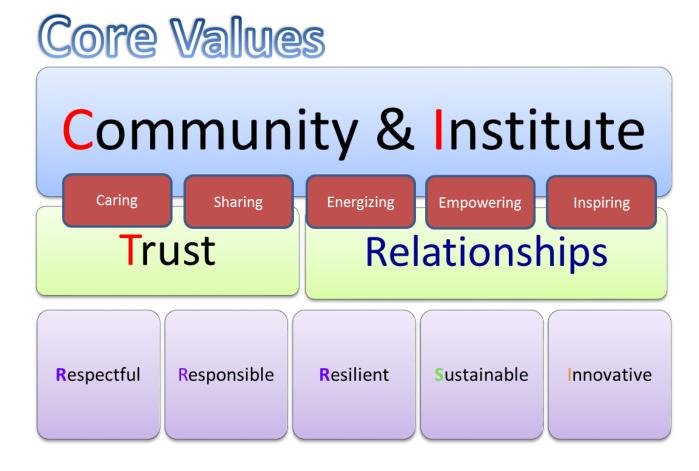
future

UNMAS

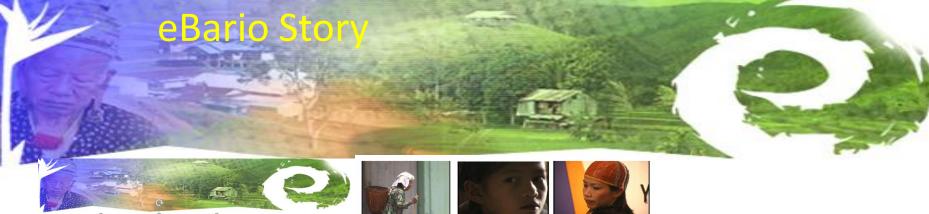
Institute of Social Informatics & Technological Innovations (ISITI)

VISION:

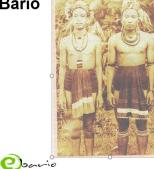
 An inclusive knowledge society comprised of communities inspired to innovate with technology towards sustainable development







Bario



- Homeland of the Kelabit tribe.
- People are wellknown for their warmth, hospitality and friendliness.

9



- The Kelabits of Bario
- ~1,000 tribal Kelabits remaining in Bario 12 villages (longhouses)
- religious community
- no telephone service

Obario

- Gravity-fed water
- electricity by generators/solar









Objectives

To define the extent to which contemporary ICT could deliver sustainable social and economic development to remote rural communities



To identify further needs and opportunities within such communities that can be satisfied by the innovative use of contemporary ICT





Kelabit Highlands Bario, Sarawak Malaysia















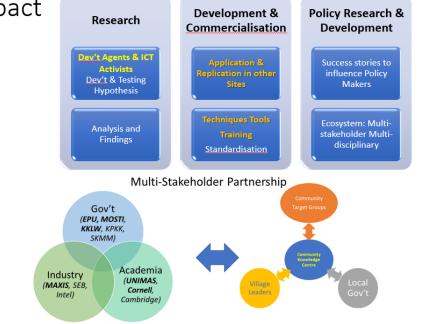




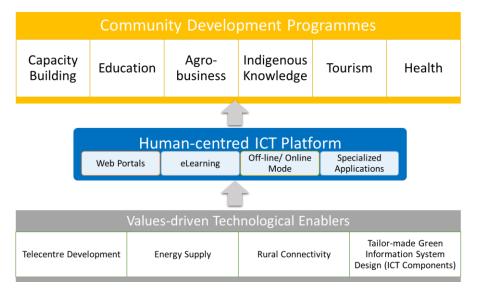
Innovation for Impact



People-Centered Approach



Research & Innovation Pathway







Balanced Partnership Model



Empowerment





Participatory Approach



Emphatic Design



Holistic Viewpoint

Human Centred Technologies

00-



Sarawak's first community radio - Radio Bario



Kelabit museum highlights megalithe







Value Creation from Indigenous Knowledge and Wisdom





Living Labs Making an impact on Communities









Improved standard of living

- Access to information to made it possible for communities who were left out to now make better informed decision.
- Access to better and more efficient communication technologies has even in certain areas saved lives
- Better access to markets and a chance for local products to bring direct benefits through the exposure to the outside world
- Community telecentres have become knowledge Centres for adoption of new skills, innovate and apply new ideas to meet local needs.
- Training of local capacities and harnessing of local assets for community wellbeing



From Local Champions to Globally acknowledged Community Scholars

Ba'Kelalan telecentre manager wins Broadband Empowered Entrepreneur (BEE) Award at KL Converge



John Tarawe, an international consultant presenting at an International Forum



Stanley Isaac in Global telecentre award ceremony in Madrid

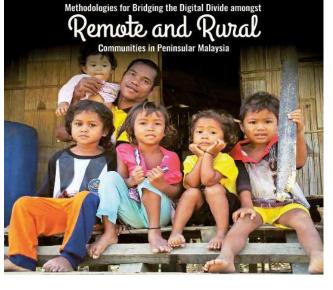


Research Facilitation by Garen Jengah

Stephen Baya







Awards and Recognition

FORMADAT, the Winner of Equator Prize 2015

Proof on 22 Separater 2022 A community trans-border initiative to protect and develop

sustainably their homeland divided between Indonesia and Malaysia in the Highlands of Borneo has been selected as one of the winners of the Equator Prize 2015.

By: Cristina Egher

ONLADE. On one Altrayersended Dates Tregg Brever or the Altrans of the subgences and alternative and an annumental segment a common presendance manages presendance and enter alternative and the automatical segment a common presendance manages presendance and extended are out the automate of the Stateshift Price 2015. The Balance Prises assemble to 20 subsetting parts and appress prismites are an advecting invariants prismatical sections and an advecting parts and appress prismites and a magnetized prisma and appression of the parts, how and the subsetting parts and an advecting part of the subsetting invariants prismatical sections and an advecting parts and an advecting parts and an advecting parts and advecting parts and advecting parts and an advecting parts and advecting parts advecting parts and advecting parts advecting parts and advecting parts advecting parts advecting parts advecting parts and parts advecting parts advecti

In the exposed analose parameter process to such a such on the physics instruction outure boost processing the instruments in terms instruments and statements processing in the instruments of the second of themes. ORMARCH are to integrate construction and development, and exposure the the development of the explander inspects the enhormered and and constructions of the mean and to construction. Here, the analysis of using the enhormered and and constructions of the mean and to construction. Here, the shows and using a distance of the Highering to important the basing write large of the people and the test instantial and using a distance of the Highering to the people and the second and using a diversity of the Highering to important the basing write large of the people and the second and using a diversity of the Highering to important the basing write large of the people and the second and using a diversity of the Highering to important the basing write large of the people and the second and using a diversity of the Highering to important the basing write large of the people and the second and using a diversity of the Highering to important the basing of the people and the second and using a diversity of the Highering to the second and the second and using a diversity of the second and the second and using a diversity of the Highering to the second and using the second and the sec

instituto anongo di tris dipunso in tissuro di bienes i si pulno di approchambio, societti di approchambio di

Nationing loss in the lever of Biomuse, DOBAGAT has enceptible days on the lever hand of sense bodies with the lever of Biomuse, DOBAGAT has enceptible and the lever of the lever bodies of the lever bodies of the lever of th

Source: www.panda.org



RELATED LINKS

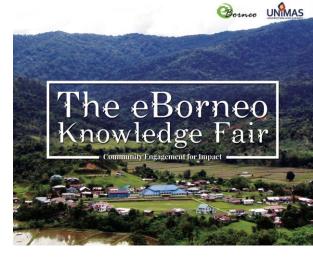


ASEAN Rural Development and Poverty Eradication Leadership Award, 10th ASEAN Ministers Meeting on Rural Development and Poverty Eradication, 2017



TPOA project shortlisted for the Technological Innovation of the Year Award at THE Awards Asia 2019

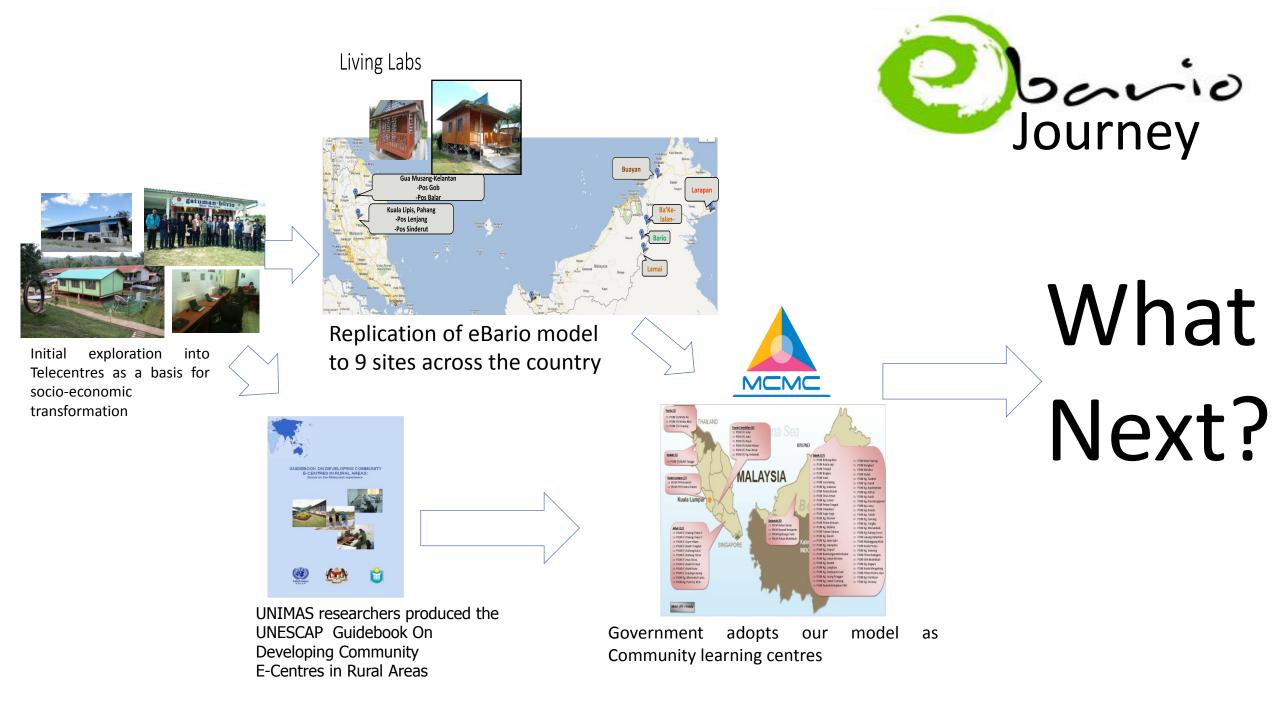






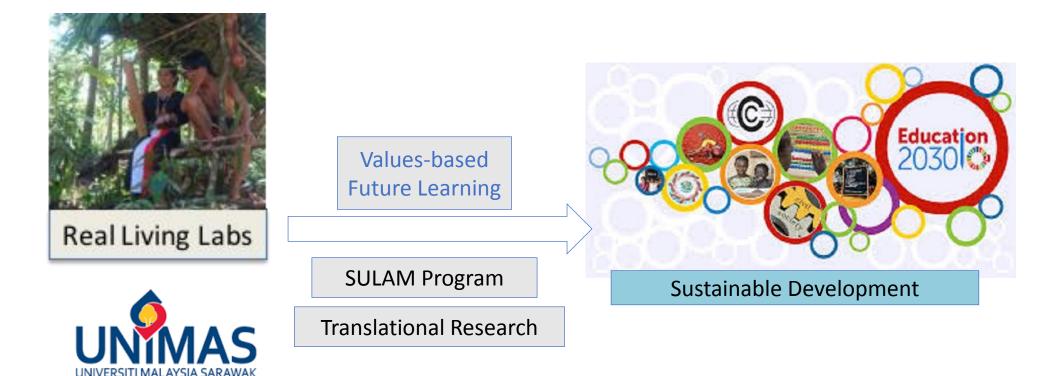
Translational Research: ICT4D

Pathways of ICT4D Research and Innovation to Impact **INTERNATIONAL BODIES** INDIGENOUS COMMUNITIES UNDP, WB, APCICT, UNESCAP Knowledge Preservation Guided Research-based Service Learning -Cornell, Gains Expertise **VUA** Education Research Projects: DAGS, TPOA Social **General Well-being** Expertise, Processes, Tools Health Capacity NGOs Community-Building based New Expertise, Policies Research & Knowledge Tourism Benefits GOV'T Innovation New Homestays Funding **Opportunities** Economic Handicrafts Expertise, Training Boats **INDUSTRY** Padi Planting Funding





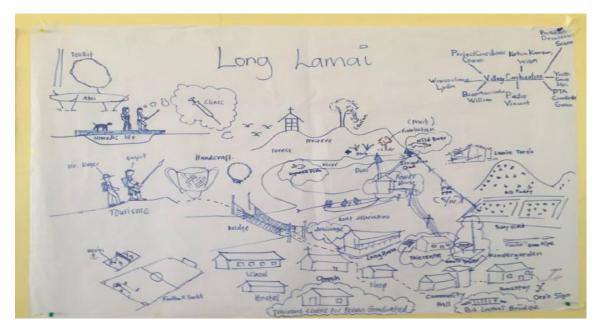
Establish leadership in Values-Based Education & Life-Long Learning





Source: Jengan, G., George, F., Alread, S., Somchanhmavong, A.K., Kulathuramaiyer, N. eBorneo Knowledge Fair, 2019

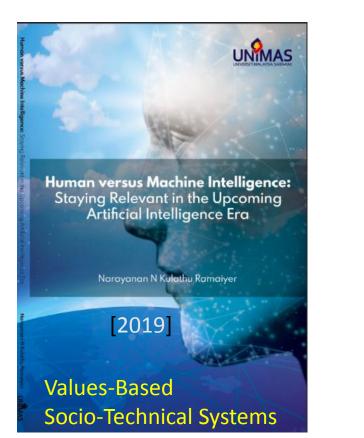
"If you don't know about your origin [forest], you are not a Penan"

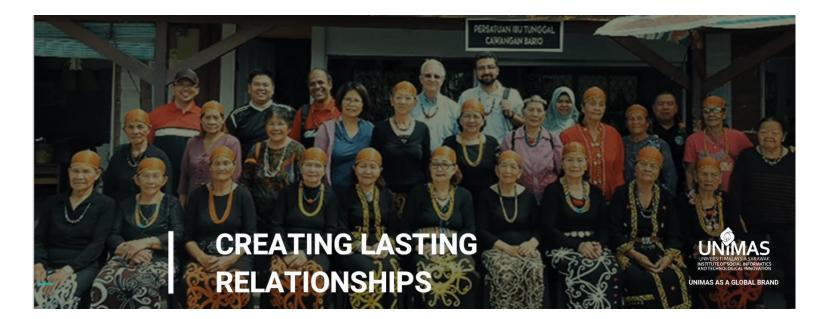






Thank You





https://www.isiti.unimas.my/ https://www.isiti.unimas.my/home/isiti-ebario-history