



Using ICT to Empower Digital Opportunity of the Peoples and Minorities in Remote Areas: Taitung Experiences

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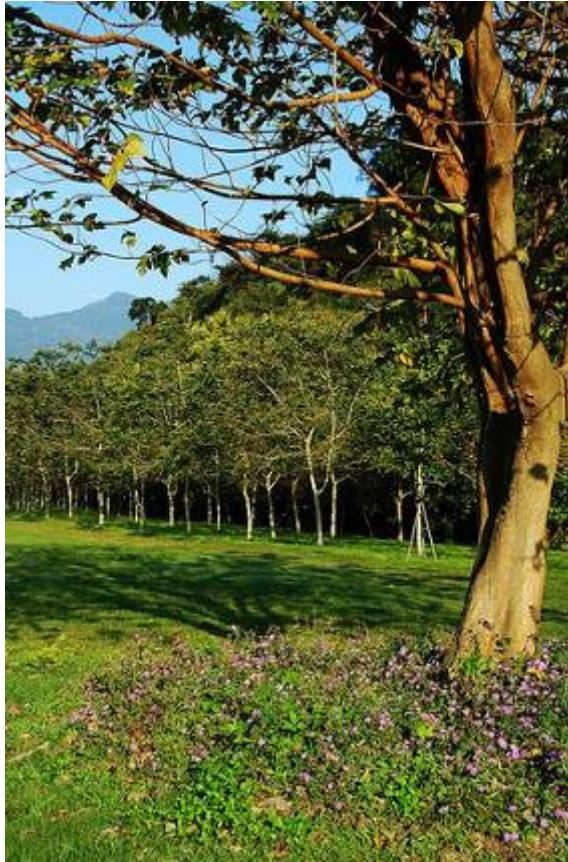
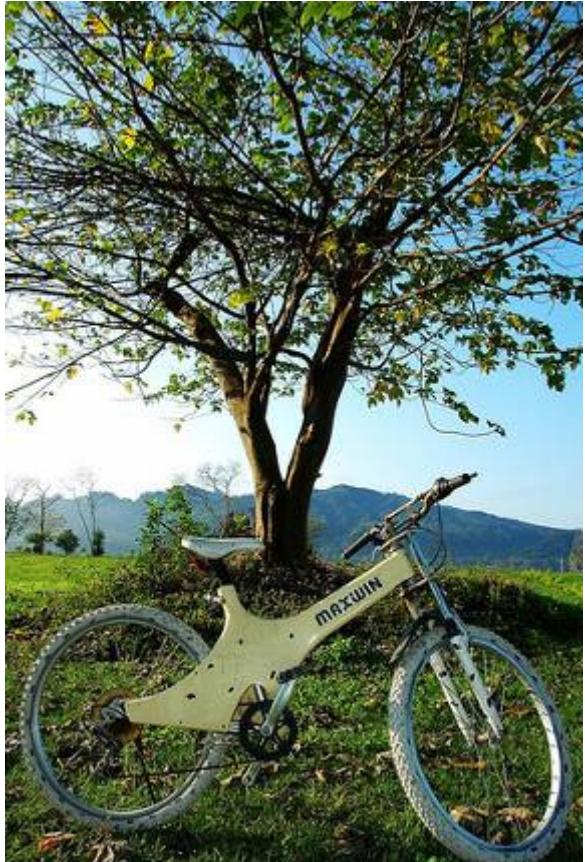
National Taitung University, TAIWAN

Inspiring 啓發 Educating 教育 Creating 創造 Empowering 增能

Taitung is Good for Kids



Land with Peace and Quiet



Different Living Experiences



Versatile Arts and Culture



NIKON D300 18-200mm F3.5-5.6 31F9.0 1/200 1100840 1.0EV



NIKON D300 18-200mm F3.5-5.6 31F9.0 1/250 150500 1.3EV



What is my “Cool Things” to Share



- How to inspire and help a 92 years old Grandma to use ICT.
- How International Volunteers use ICT to help aboriginal pupils to know the world.
- How can ICT help minorities and people in remote areas to create their ~

Digital Opportunities

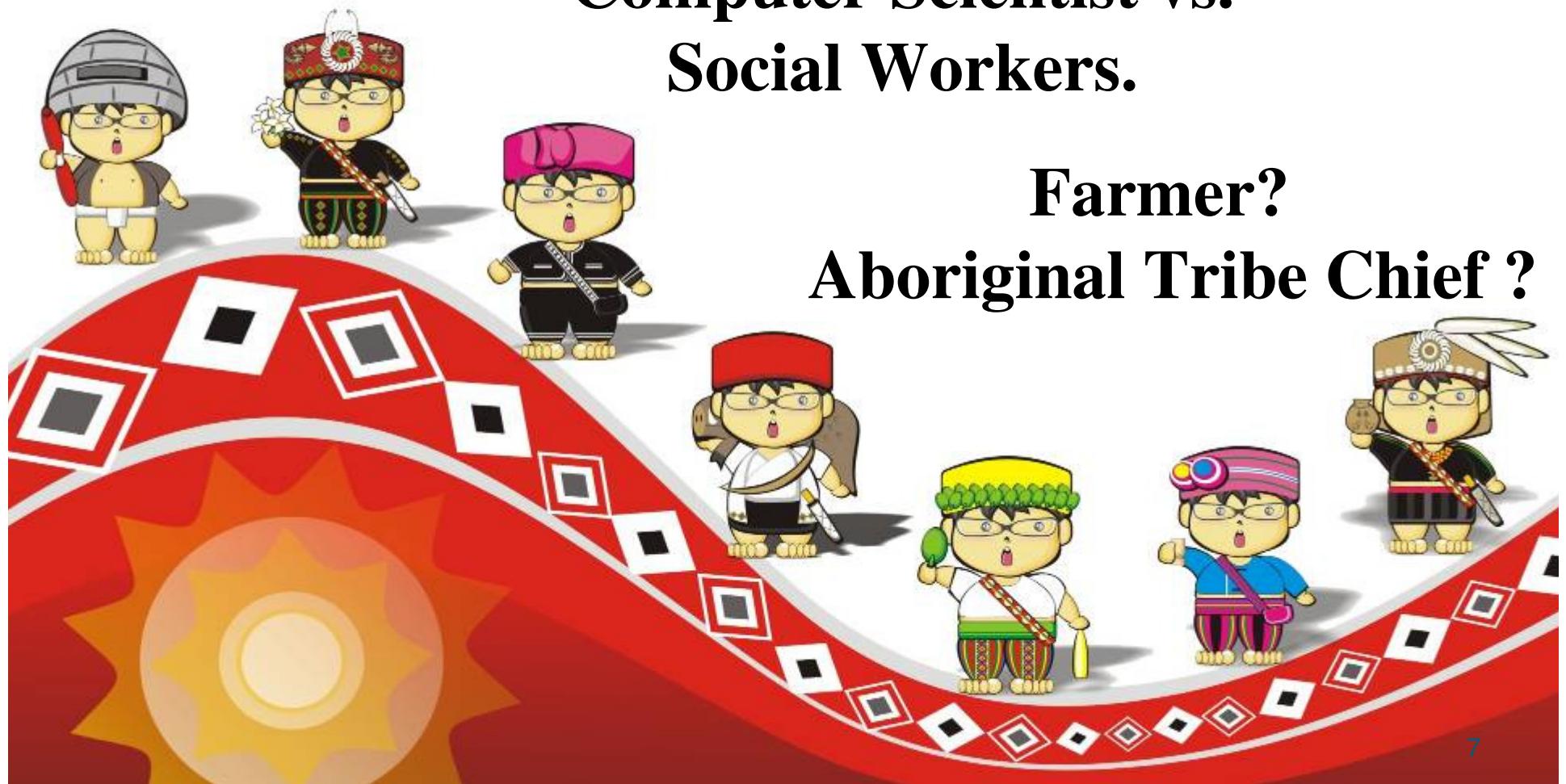


The Very Best “Cool Things”



My PRAGMA Experiences.

Computer Scientist vs.
Social Workers.



Thinking Differently!



tw.myblog.yahoo.com/poland-gogo

Technologies can be used to build this house and attract millions of visits. But who are going to live inside?

My Digital Opportunity Center (DOC) Project

- Funding by the Ministry of Education (MOE, Taiwan).
 - With Quarter Million US Dollar budget for Taitung County a year.
 - Outreach ICT to the minorities and people in remote areas



Senior Citizens



New emigrant



Aboriginal People

Create Equal Digital Opportunities



Family Learning



Ladies' Classroom



Kids' Learning

「智慧台灣，啟航」深入鄉里168個BOS

打造公平數位機會環境



¹⁰ 例如，胡成志在《中国农村社会学》（1996年第4期）中指出：“在传统农业社会里，土地是农民的命根子，是农民赖以生存的根本。因此，对土地的占有和支配权，就是对农民的控制权。所以，对土地的占有和支配权，就是对农民的控制权。”



活化資訊應用 台東DOC老人也瘋狂

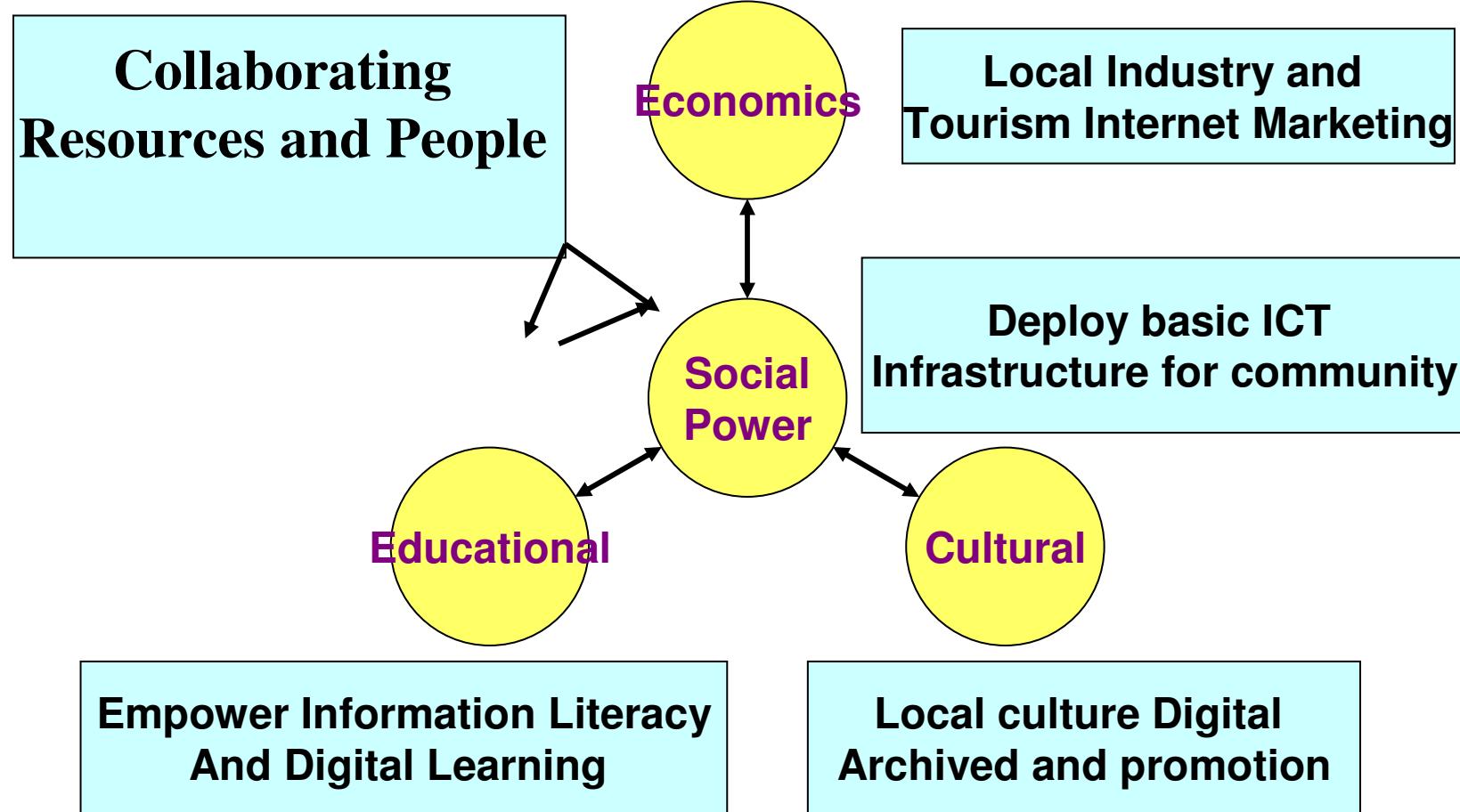
**In Taitung, we have deployed 11 DOCs now
and hopefully will have 14 DOCs in 2010**



More than 170 DOCs around Taiwan.



The Visions of DOC Project



Similar Project: Asia Pacific Digital Opportunity Center (ADOC) under APEC. <http://www.apecdoc.org/>

Grandma, Grandpa don't be afraid. The computer won't broken easily!



The 1st time in her 92 years of age to use Computer.

The total age of the whole classmate is more than 1000.



1 The most important thing is~ They have a lot of fun with ICT.

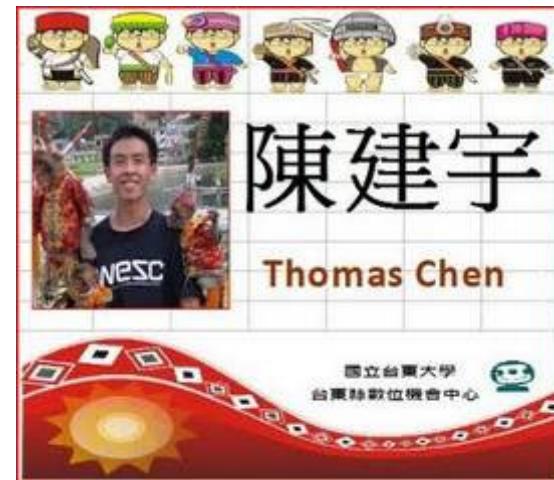
International Volunteer Program



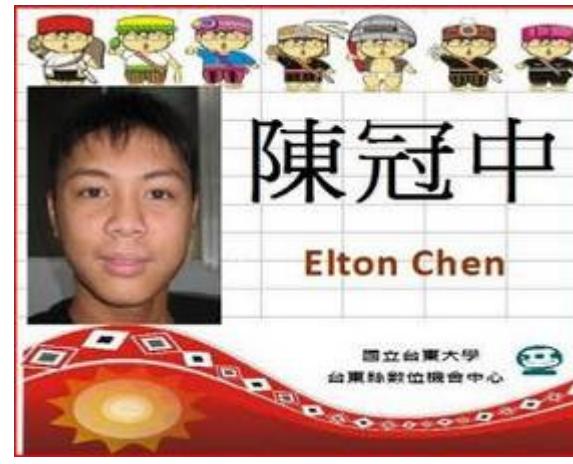
UC Berkeley



UC San Diego



UC Riverside



Los Angles High School Students

International Vision Outreach Program for Minorities

The International Vision Outreach Program for Taitung Remote Areas Minority was organized by the Taitung Digital Opportunity Center in the National Taitung University. We invite international volunteers to join us to bridge the digital divide and create the digital opportunity for the minority in Taitung Remote Areas.

Blog: <http://taitungmivop.blogspot.com/>

ICT Outreach to the Pupils in Remote Area aboriginal Tribe: Initiative



The World Map Before Google Earth



Bunun tribe: Mountain Area
3-5 grade students



Piwan tribe: Seashore Area
3-5 grade students

ICT Outreach: Google Earth



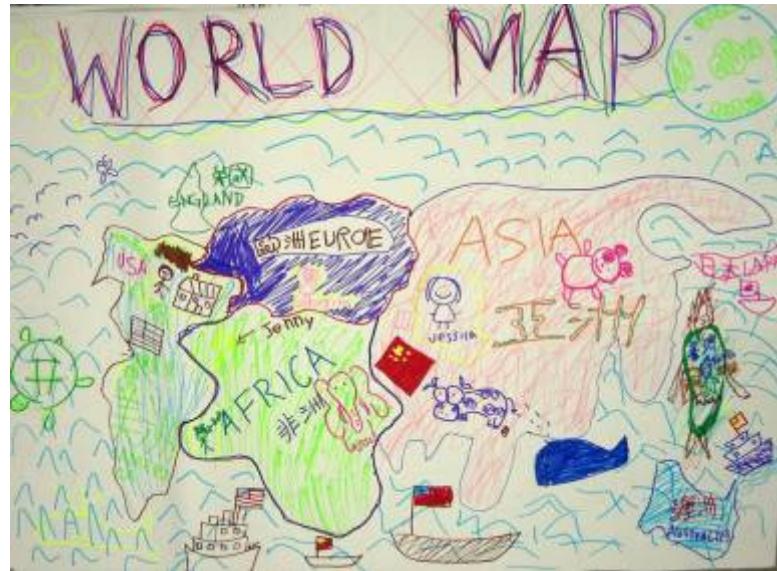
ICT Outreach + Traditional Drawing



World Map Presentation



The World Map After Google Earth



Ending with Memorable Experiences



Report from International Volunteer I

The county of Taitung has a high population of Aboriginal people and some lack privileges as provided to some other students of the world. In our International Vision Outreach Program for Taitung Remote Areas Minority, we have come across many Aboriginal tribes that lack some of the privileges and access to education and cultures of this world. To help the Aboriginal tribes learn English and understand the world's many cultures, we were sent there to help the children learn our daily language, English, and how to use “Google© Earth” to understand the Earth’s geography and the different countries and places in our world. In exchange, we learn their Aboriginal culture, languages, and rituals.

~ Elton Chen (LA High School Student)

Report from International Volunteer II

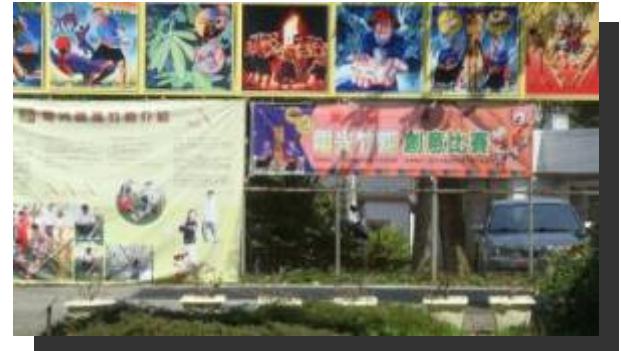
I will NEVER forget this experience! Not only did I have a lot of fun and made new friends, but I also learned a lot and experienced my first typhoon and the effects of mother nature. Although shy at first when we first met each other in the airport, all of us soon became friends including Dr. Ryan Wang's children, Hannah and Howard.. All the children we met in Lidao Elementary School and in Taimali church have also become our friends and will never be forgotten. I will also remember the peanut mochi and the crunchy, sweet yams- they were delicious! All our memories have been set in stone for we have taken many pictures to keep the memory alive.

~ Georgina Chen UCSD 1st year Student

The Ultimate Goals of ICT Outreach

Inspiring
Educating
Creating
Empowering

<http://taitungdoc.nttu.edu.tw>



Internet Marketing



Senior Citizen and Adult Learning

The collage includes:

- A large banner for "台東縣數位機會中心" (Taitung County Digital Opportunity Center) featuring a colorful flower graphic and a download button.
- A main banner for "鹿野 Digital Opportunity Center" showing two people working in a field, with text: "INSPIRING · Educating 教發學習", "creating · EMPOWERING... 創造機會 增能行銷", and "【曙光乍現】 贈一份台東大學對地方的社會責任，運用數位科技協助打造健康活力社區！".
- A photograph of people using computers in a classroom setting.
- A photograph of people using computers in a classroom setting.
- A photograph of a food stall displaying various packages of food items.
- A photograph of a paraglider flying over a green hillside.
- A photograph of a group of people gathered under a tent, with a banner in the foreground.

Community Empowerment



Cultural Sharing

The screenshot shows the homepage of the Taitung County Digital Opportunity Center (DOC). The header features the Taitung County logo and navigation links for '首頁' (Home), '網站地圖' (Site Map), '活動行事曆' (Event Calendar), '電子報' (Newsletter), and '留言板' (Message Board). A search bar is also present. The main banner has a blue sky and green field background with a large yellow rice plant on the right. It includes the text 'INSPIRING · Educating 教發學習 教育推廣' and 'creating · EMPOWERING... 創造機會 增能行銷'. Below the banner, there's a map of Taitung County with three red dots indicating locations: '鹿野數位機會中心' (Luoyang Digital Opportunity Center), '卑南數位機會中心' (Bainan Digital Opportunity Center) which is highlighted with a cursor, and '達和數位機會中心' (Tahe Digital Opportunity Center). A circular banner at the bottom left says '點圓開啓選單' (Click to open the menu). Another banner on the right says '關山 Digital Opportunity Center'.

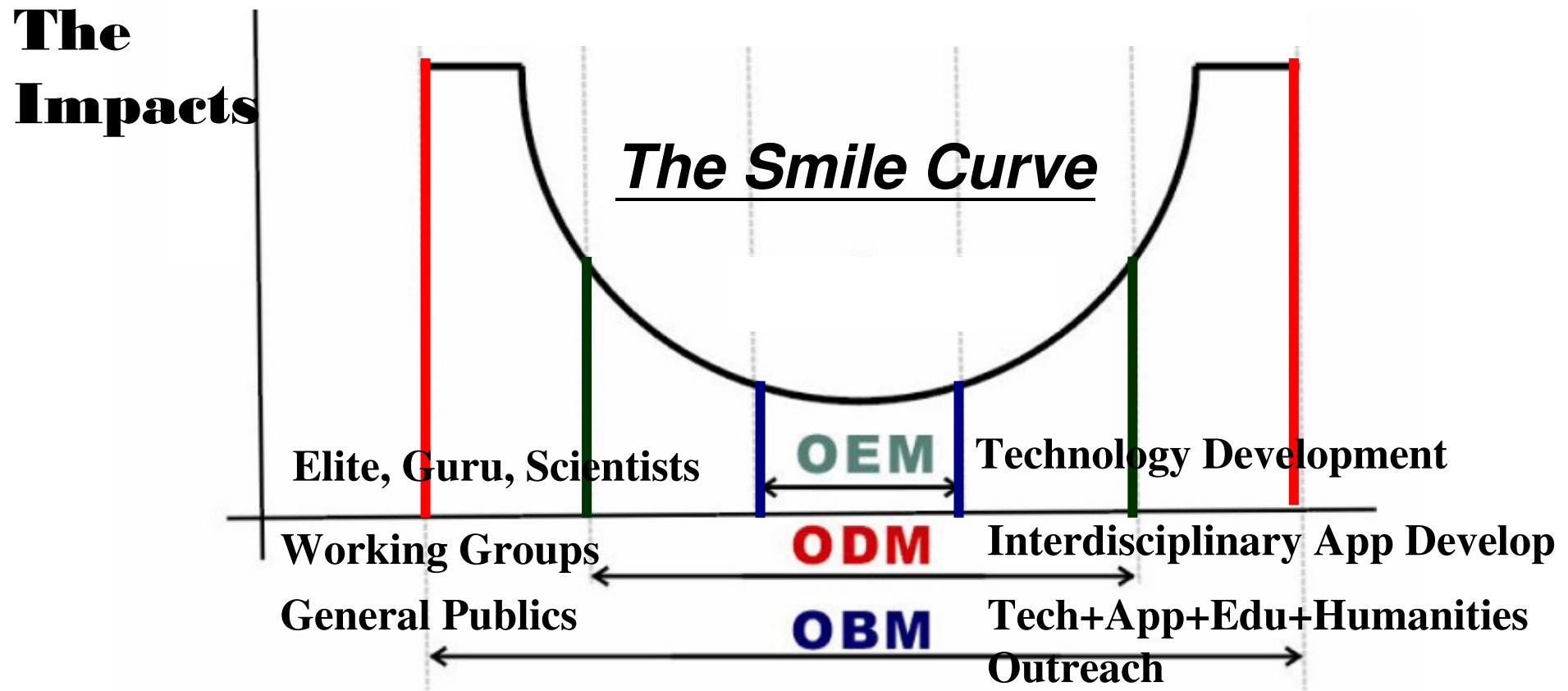
【曙光乍現】
盡一份台東大學對地方的社會責任，運用數位科技協助打造健康活力社區！



Broaden ICT Impact



Technologies + Humanities Apps + Education = General Publics Empowerment



What is His Needs in Future?

**We need to think about what is his needs in future
before thinking about our future technologies
development .**



Discussions



Technologies are used to help people, not to bring more problems to people!

1. The Role Model of Empowering People by using ICT. ~ **New Challenge**
2. Humanities, Social Science, and Education Outreach ~ **New Territory**
3. Crowdsourcing Mechanism* with local and International Volunteer Connection ~ **New Application Aspect**

* **Crowdsourcing** is a neologism for the act of taking tasks traditionally performed by an employee or contractor, and outsourcing it to a group (crowd) of people or community in the form of an open call.

Thank you for your Attentions



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