Sustainable Development with Geomatics

Joseph Lam¹*, Geoffrey Shea¹, Ran Zhang¹, Xiang Rong²

¹Department of Land Surveying and Geo-Informatics, The Hong Kong Polytechnic University, Hong Kong, PRChina

²Department of Sociology and Social Work, School of Public Management, Yunnan University, Yunnan, PRChina

joseph.lam@polyu.edu.hk*
What did we do?

- Our project linked up students from 3 Universities
  - The Hong Kong Polytechnic University (PolyU)
  - Yunnan University (YU)
  - Peking University (PU)

- Apply their learning outcomes to serve the community for further long term benefits. However,
- Students from different Universities with different disciplines
- Link up individuals to a common target—respect each other
- Learning for Services
An Icon to respects each other
A logo was designed to demonstrate the service spirit and team work of the three universities.

- The top four squares represent the traditions of the Yunnan ethnic minorities as well as the four project teams. Names of the three universities revolving around the four squares signify the cooperation of the universities for the benefit of the local community.

- The key-shaped logo, which looks like invisible hands holding the local culture, symbolizes that we grasp the key wisdom of the local community and are responsible for serving the locals.
Learning for Services

- Map is one of the three ancient expression approaches
  - Music,
  - Language
  - Map
- Mapping the community - One common platform to link up students with different disciplines and the local community
- Learn the local community and use map to represent it
- Help the local villagers to
  - know more about their community
  - express their community to others
- Geomatics express our world, do they need it?
Mapping process can help our students to

- interact with the local community
- understand the community need
A SWOT Matrix can help them analyze the collected spatial information and identify the community needs. Service provider (intention to induce sustainable development)
They discovered and attempted
Appreciation to the local assets

Empowerment from spatial formation

Visitors
International NGO for youth outdoor learning opportunities

YHA

Local rural community
Enhance Economic activities
Rich Local Heritage
Nice Environment

Conservation of the local assets
Sustainable Development in the local community
Proposed Sustainable Development in the local community for heritage conservation with Map
Let watch our project video
One of the reflection from students

The map asks me how I view a problem with scale
Scale is the focus of observations, the experience of lives
and the base of a human being
Can you simply smile when you accompany children to
enroll in treasure hunt with a map?
Can you simply cry when you visit the elderly in the nursing home?
Horizons could be broadened like galaxy if you find a broader view
Bias could be resulted if you find a narrow one
One of the reflection from students

The map asks me what my principle for making a decision is

Some coordinates are flaunted and boasted like gold

Some coordinates are ignored and eliminated like scrap iron

Do you make every decision with objective fact?

Does subjective attitude affect your every decision?
One of the reflection from students

The map asks me if I have the coordinate of cognition
Map is the orientation of everything as well as that of ourselves
How you view, respect, feel and comprehend the others is built upon
the coordination of a human being
How you place the others within the space-time is built upon
the coordination of the changing social development
How many coordination you obtain, how much miracles can you grasp
One of the reflection from students

The map teaches me
We are all creating maps,
reading maps and
becoming maps
Thank you