



The Development of Local Change Agents
for Area-Based Social Innovation
in Remote Highland Communities
of Northern Thailand

The 2025 World Technology
Universities Congress (WTUC)
Thaksin University

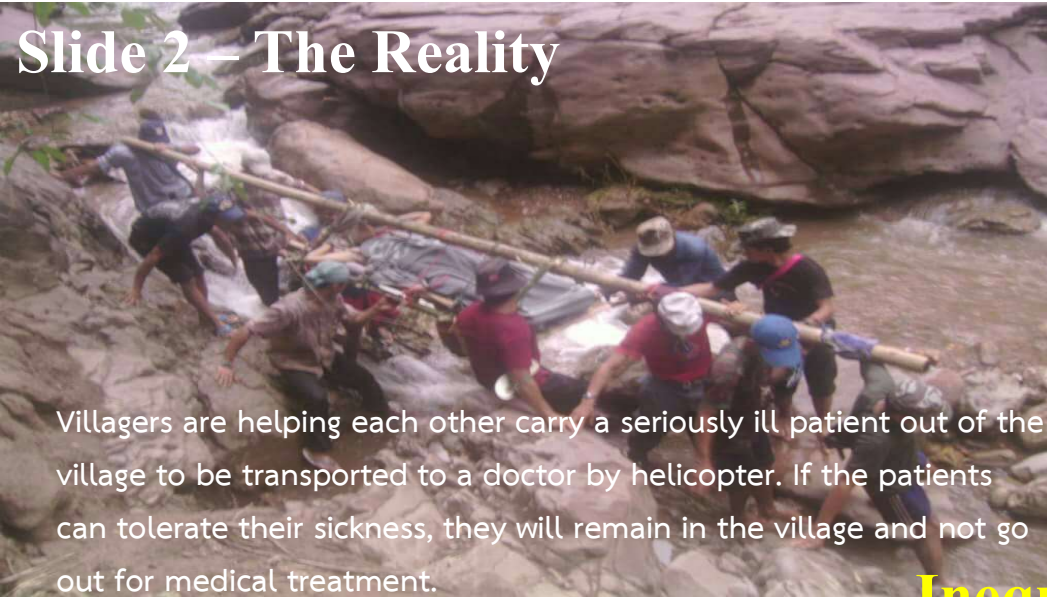
The Glocalization:
Functional Role of Higher Education from Local to Global >>>>



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Slide 2 – The Reality



Villagers are helping each other carry a seriously ill patient out of the village to be transported to a doctor by helicopter. If the patients can tolerate their sickness, they will remain in the village and not go out for medical treatment.



A grandmother is feeding her grandchild. Their meals consist of rice, vegetables, and chili paste, lacking protein and fat.

Inequality



Most areas lack access to electricity, making solar cells a viable option for schools and communities. However, their use is limited and there is a lack of proper maintenance mechanisms.



A child is waiting for medical assistance due to illness.

Slide 3 – Different Approaches

How can we reduce inequality in rural areas?



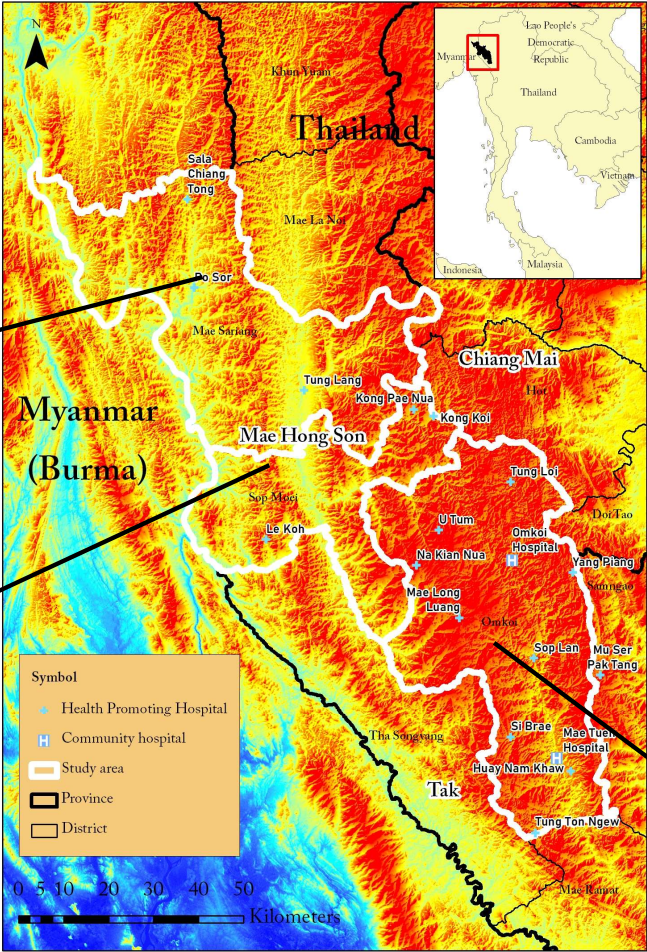
“self-reliance is not just an option — it’s a necessity.”

Slide 4 – Where We Work



Mae Sariang district
Mae Hong Son province

Sop Moei district
Mae Hong Son province



> 80% of area is mountainous,
making travel difficult,
especially during the wet
season.

Omkoi district
Chiang Mai province



Slide 5 – The Role of the University



VS



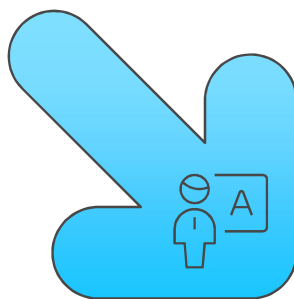
What approach should the university take to reduce inequality in rural areas?

Slide 6 – Who Are the CAs?



Teacher Volunteers

Volunteers who teach Thai to ethnic children



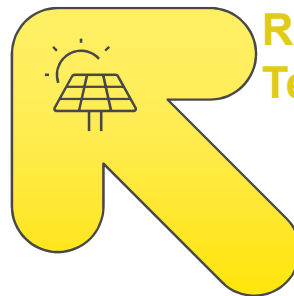
Health Volunteers

Community members trained to provide basic healthcare services



Breeders&Local Animal Caretakers

Farmers who raise local livestock to enhance food security



Renewable Energy Technicians

Individuals skilled in maintaining solar energy systems



“Community members who are trained to solve problems”

Slide 7 – Learning Process

Community of Practice

Collaborative learning environment

Coaching

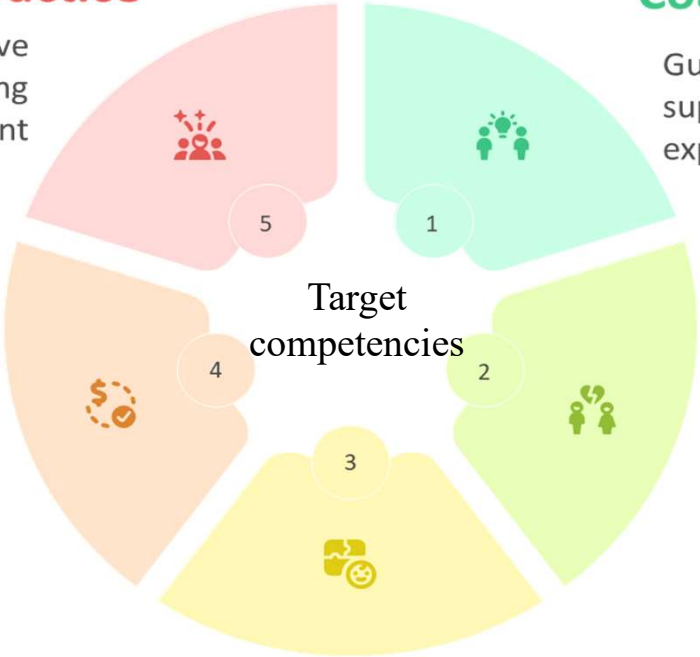
Guidance and support from experts

Onsite: Local learning centers, health centers, solar training sites, animal health centers, and community schools

Mentoring

Long-term relationship for growth

Online: LINE groups, follow-up calls, and local mentoring networks



Problem-Based Learning

Solving real-world challenges

PDCA Cycle

Plan, Do, Check, Act for improvement

“Embed it in real-life problem-solving”

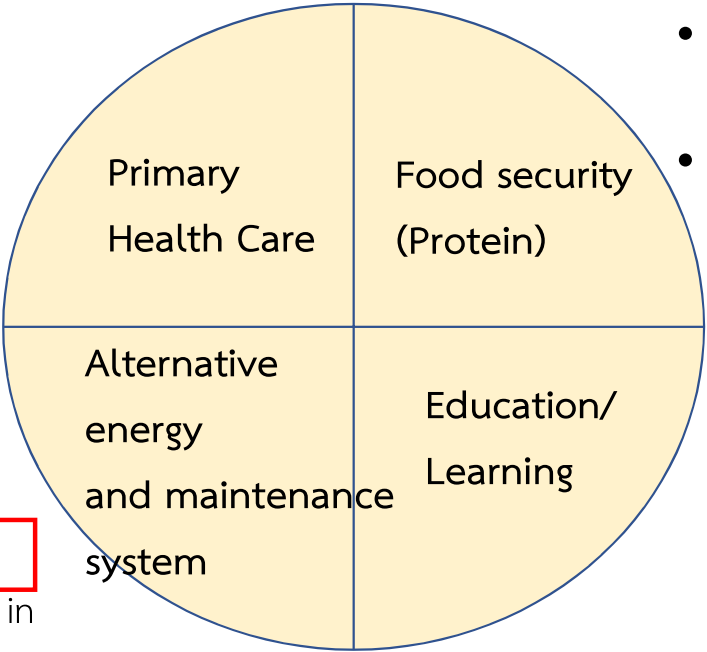
Slide 8 – What Have We Achieved?

110 CA of Super-Village Health Volunteers (Super-VHVs)

- Take care of 97 communities/25K populations (1:227)
- Providing health services to villagers, with over 3,000 times/year
- Engage with 17 sub-district hospitals in 3 districts 2 provinces

11 CA of Renewable EnergyTechnicians

- Take care of 49 schools/health offices in 2 districts 2 provinces (3 CAs become to KMUTT’local staffs)



21 CA Breeders + 7 CA Local Animal Caretakers (Livestock)

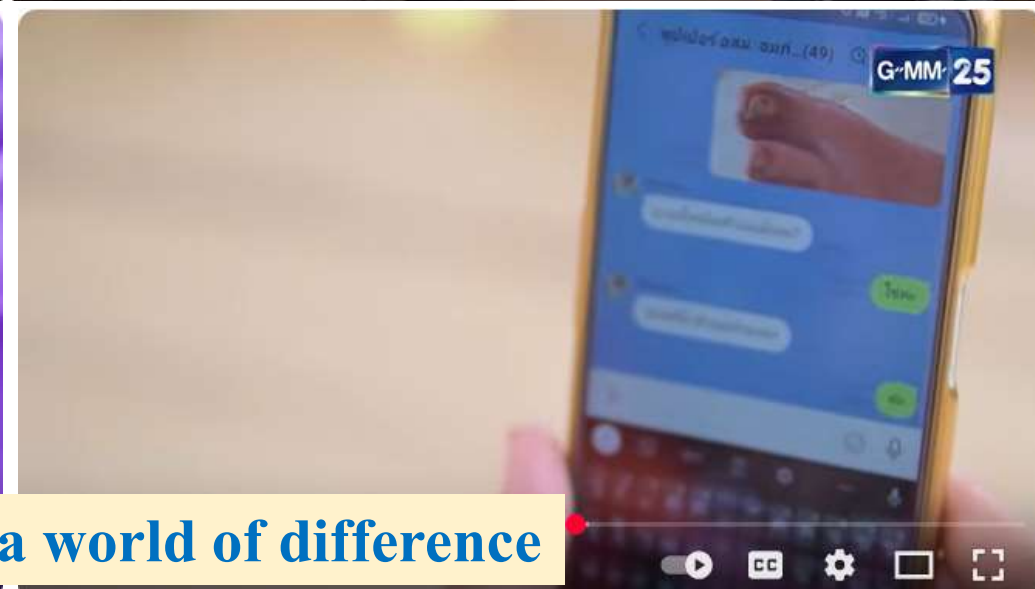
- Produce native pigs and chickens
- Focus on using locally sourced animal feed
- Replace imports by 9% of chicken 16% of pigs in 5 villages 2 sub-districts
- Animal Caretaker provided services 139 times, totaling 96 cases, reducing losses valued at 264,000 THB (2021-2024)

16 CA of Thai language teacher volunteers

- Tutor of 466 ethnic students (3 years) aged 6-9 who have inadequate Thai language skills
- Active in 16 schools 2 districts in Mae Hong Son province

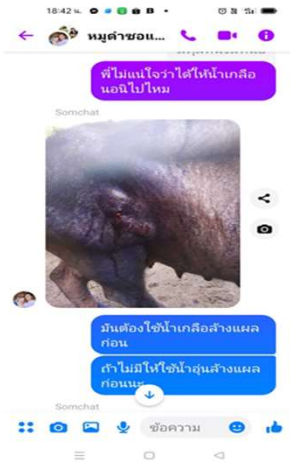
Deeply rooted, community-owned system.

Slide 9 – Health CAs in Action



They make a world of difference

Slide 10 – Livestock CAs



Increases access to protein

Slide 11 – Energy CAs



Without them, even basic lighting would be impossible

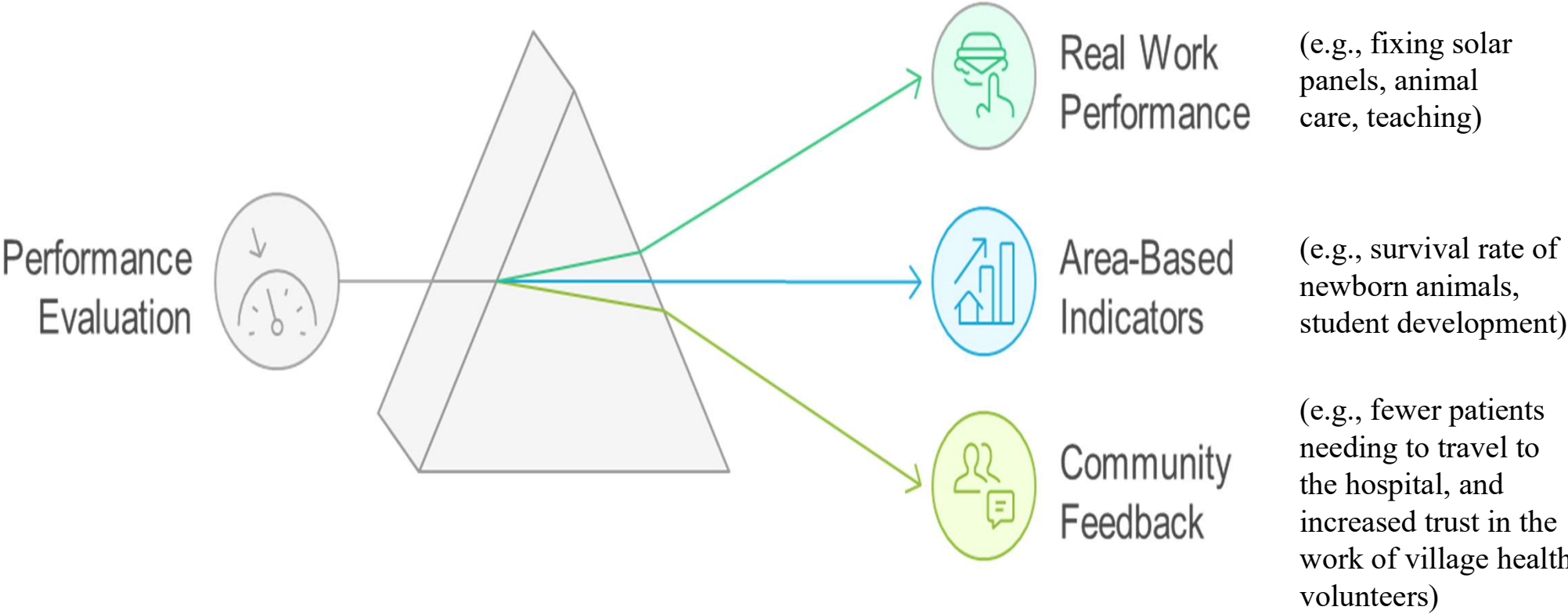
Slide 12 – Thai Teacher Volunteer CAs



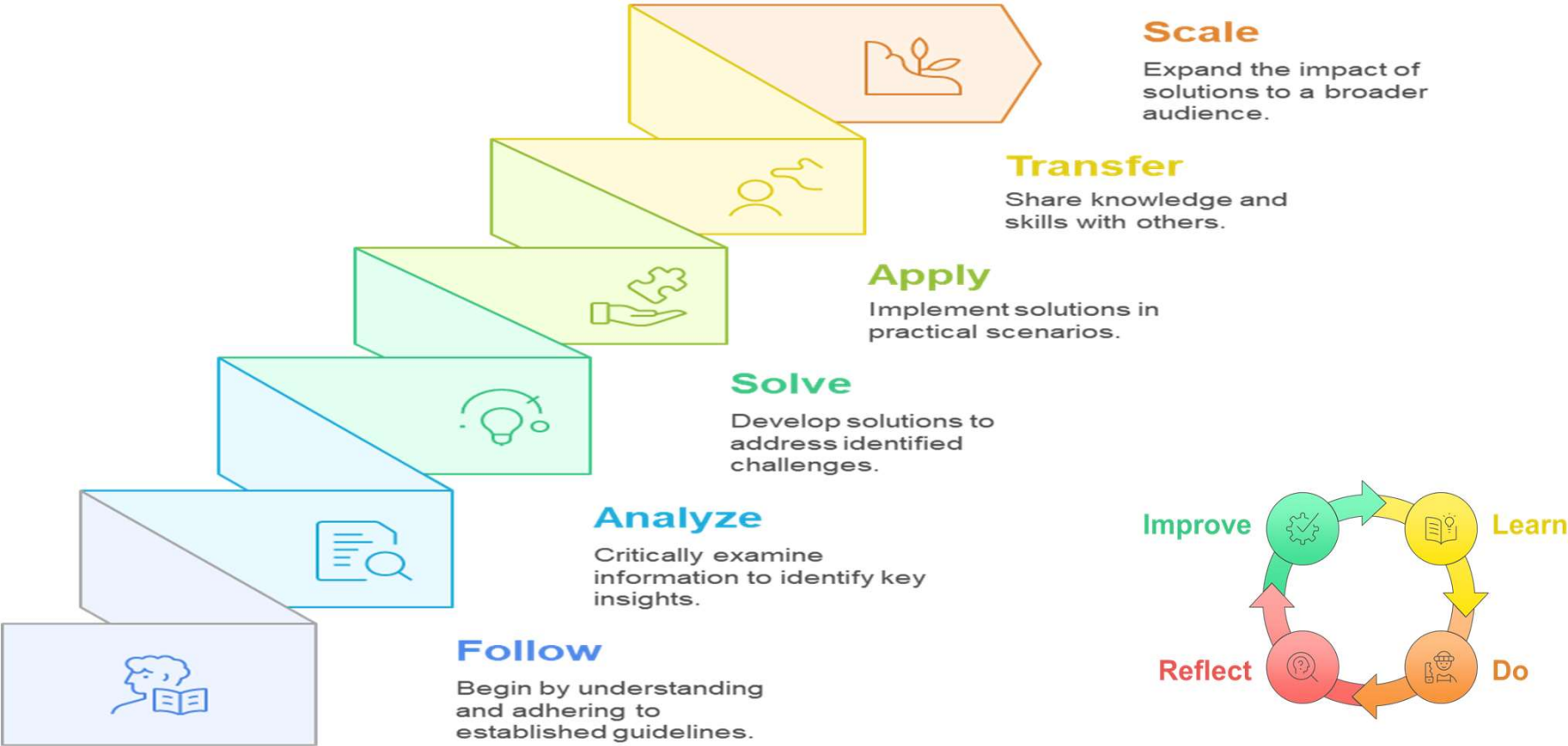
A powerful doorway to learning

Slide 13 – How Do We Evaluate?

Evaluating Performance Through Diverse Metrics

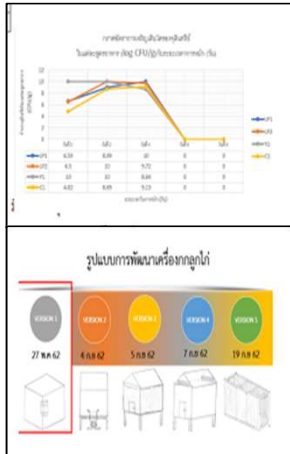


Slide 14 – Competency Development Journey



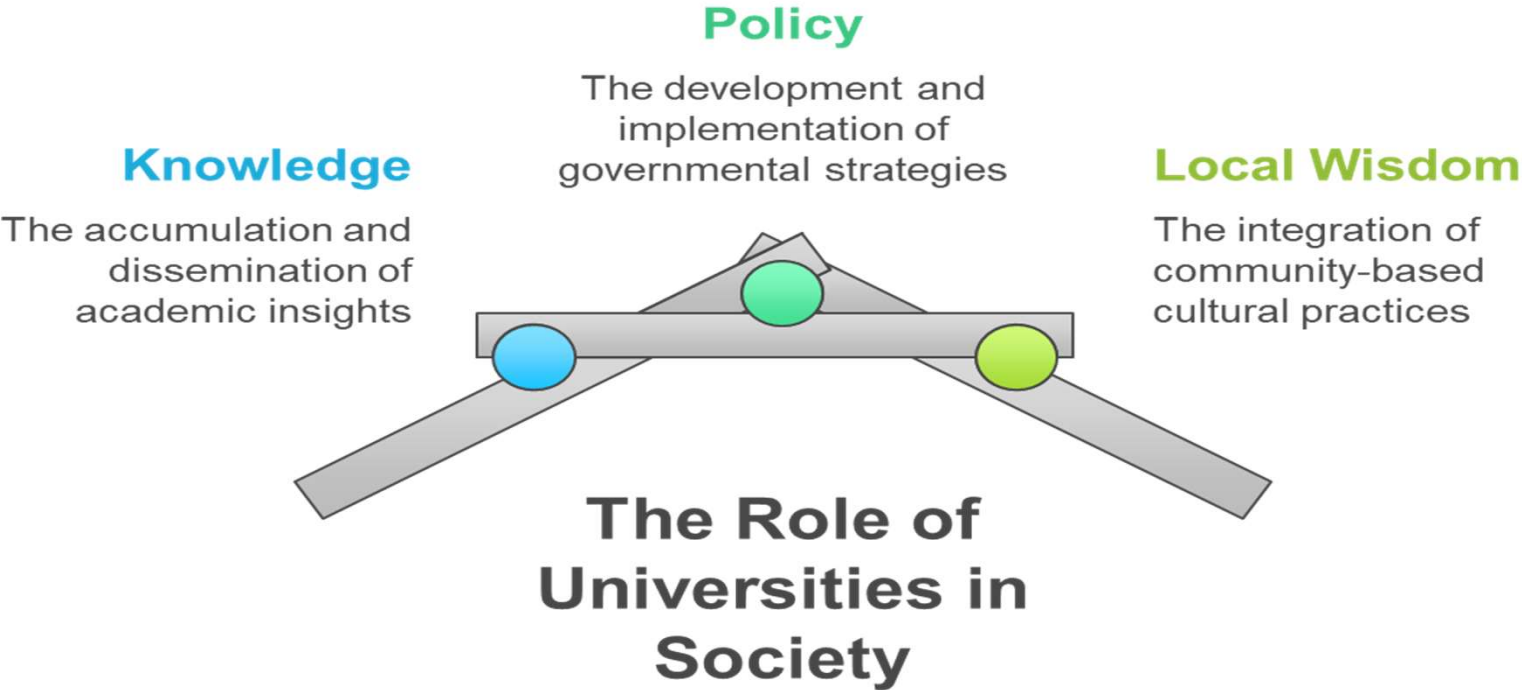
“What we do is not just build skills -it is restoring justice to those furthest behind.”

Slide 15 – Social Lab & Social Change Agent



Real Problems – Real Learning – Real Change

Slide 16 – Reflection



We must become a bridge — between knowledge, policy, and local wisdom.
We must stand with those excluded by the system — and walk with them.

Because when they rise, we all rise



Thank You