

PARE as a Modality of Education Collaboration

3rd Japan – Indonesia Rector's Meeting
Sapporo 5th – 6th November 2015



Introduction

- Graduate Program for Fostering Frontiers of Practical Solutions in a **P**opulations-**A**ctivities-**R**esources-**E**nvironments Chain
 - Mission and Goal of PARE Consortium
 - Change negative chain of PARE into a positive one
 - Toward the creation of a sustainable society in Asia
 - 4 Qualities of Graduate Program
 - Field Research Capability
 - Cross Cultural Capability
 - Frontier Spirit
 - Problem Solving Competencies
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Target of PARE Program

How to break vicious cycle in PARE chain?

Populations



- Increase in population in urban areas

Activities Resources Environments



- Food shortages adversely affects people's nutritional wellbeing
- Sanitary problems



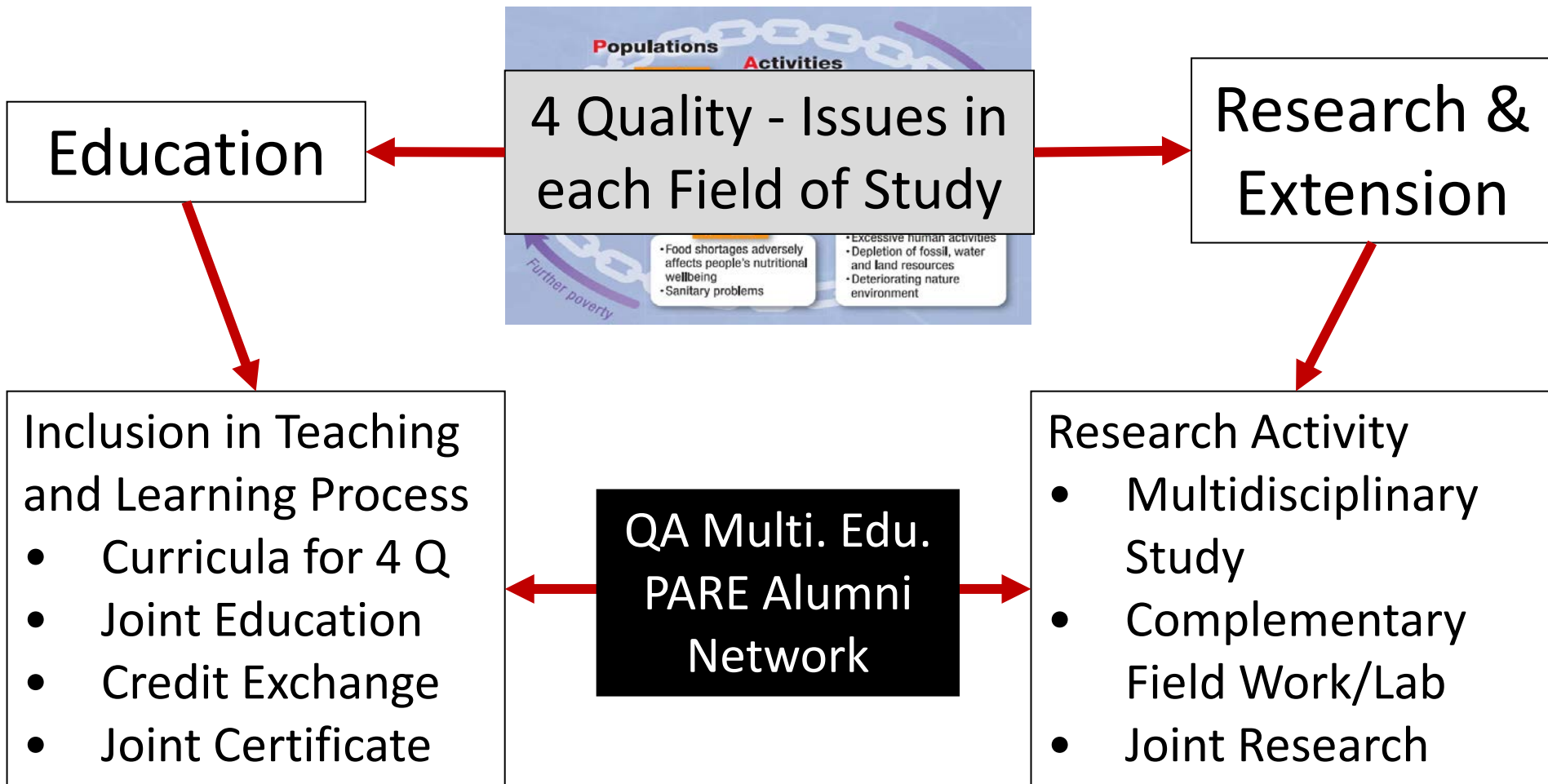
- Excessive human activities
- Depletion of fossil, water and land resources
- Deteriorating nature environment

Find solution for recovering/rehabilitating ecosystem services to break vicious cycle in PARE chain

Deterioration of Ecosystem Services

PARE Issues in Field of Study

Find solution to break vicious cycle in PARE chain?



IPB : Objectives of Spring School; Student has capacity to.....

- ❑ Explain and discuss current situation of usage and management of land, water, energy resources as well as food security under PARE chain in ASEAN countries.
 - ❑ Discuss roles of central & local government, NGO, private sector and local residents, and their initiatives for sustainable use and management of land, water, energy resources as well as food security under pare chain.
 - ❑ Evaluate properly a result of data analysis and information collected in the field works.
 - ❑ Set a group target by discussing in group based on the collected data and information in the field.
 - ❑ Prepare a master plan to be presented
 - ❑ Evaluate master plan presented
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PARE Short Program 「PARE Spring School 2015」 Field Work (10, 12, 13 March 2015)

Baduy Traditional Village

Pluit Regulating Reservoir

10, 12, 13 March 2015



Jonggol University Farm (Kelapa Sawit)

National Park Gunung Pangrango

During Spring School

- ❑ Improve cognitive knowledge, Psycho-motoric regarding PARE-Issue
 - ❑ Enhance Attitude as global citizen
 - Respect other people/culture, Multitasking
 - ❑ Student grouping based on Academic background, Gender, Country
 - For Midterm and Final Presentation
 - ❑ Integrative assessment of student achievement
 - Quality of Paper, Group dynamics
 - Rubric for Assessment incl Presentation Skills
 - Scoring and Weighing.
-



PARE

Populations Activities Resources Environments
Graduate Program for Fostering Frontiers



ITB's Perspective

Multi discipline

Multi cultural and language

Different location and setting

Online and Tele-lecture

**Linkage between
Professors**



**Joint Symposium &
Joint Research**



PARE

Populations Activities Resources Environments
Graduate Program for Fostering Frontiers



Student's Perspective

An eye opening experience

Environment, Community and Social Awareness

Multi cultural, language and multi disciplinary team work

International friends → future network

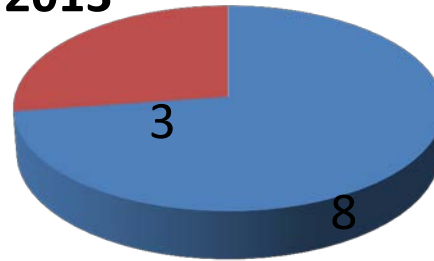
Credit transferred Courses

Joint Certificate

Quick statistics of UGM PARE



2013

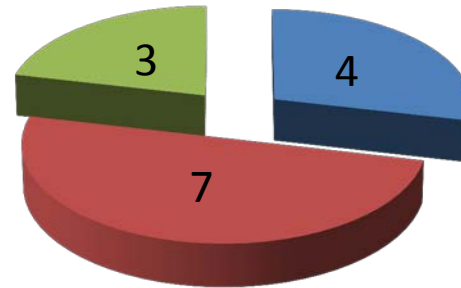


■ summer School
■ long term (Exchange)

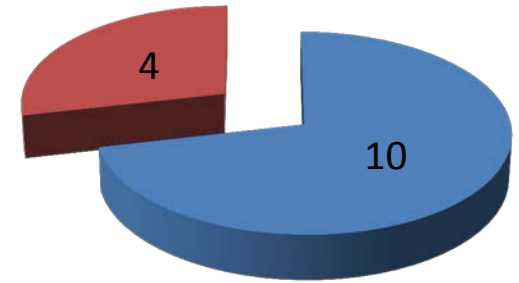


■ Science ■ Engineering
■ Agrosience

2014

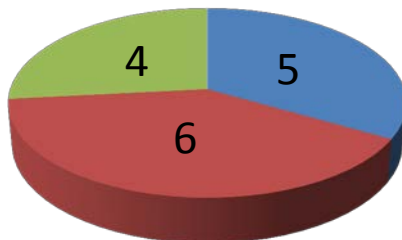


■ Spring School (cancel)
■ Summer School
■ Longterm (Exchange)

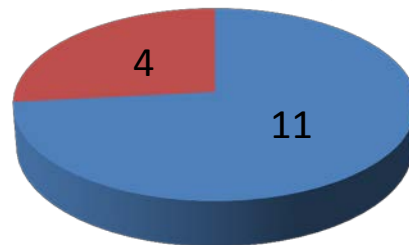


■ Science
■ Engineering

2015

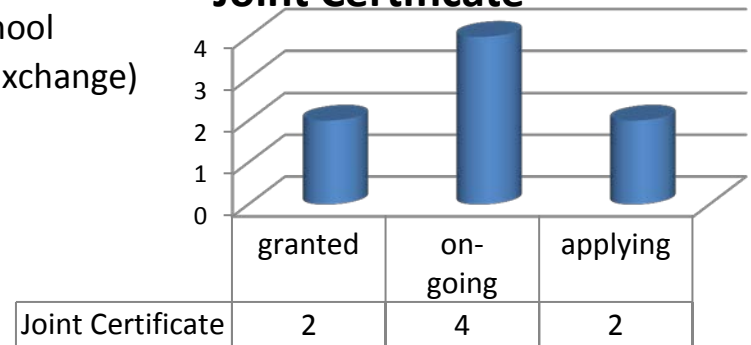


■ Spring School (Bogor)
■ Summer School
■ Long term (Exchange)



■ Science ■ Engineering

Joint Certificate



Strategy to Attract Students



- Give full assistance for pre-departure (Passport, Visa and Local Transportation, etc.)
- Subsidize financial support for activities being held outside Japan (Spring School)
- Offer a full credit transfer obtained from spring and summer school as well as comprehensive subject (long term dispatch) as elected subjects (when appropriate)
- Mention PARE activities in official transcripts of record as additional note if equivalent subject is not available in curriculum.
- Recognize research/activities carried out at Hokkaido university (long term dispatch) as part of student M.Sc. Thesis.
- Bridge the students (alumnae of PARE) who wants to pursue Ph.D. At Hokkaido University (such as recommendation, candidate professor, scholarship etc.)
- Waive tuition fee (50%) of the students joining long term dispatch (1-2 semester)

UGM Staff involved in PARE Program

Program Coordinator (Steering Committee Working Group): Prof. Mudasir, M.Eng., PhD.

Liaison Desk: Dra. Rio Rini Diah Moehkardi (2013-14), MA;

I Made Andi Arsana, Ph.D. (2015)

Faculty Coordinator:

Prof. Dr. rer.nat. Nuryono, M.S (Faculty of Mathematics and Natural Sciences)

Dr.rer.nat. Doni Prakasa Eka Putra, S.T., M.T. (Faculty of Engineering)

Prof. Dr. Ir. Lies Mira Yusiati, SU (Faculty of Animal Science)

Dr. Agung Harijoko (Engineering)

Tentative Steering Committee: Dr. Widodo H (2012)

Dr. Doni Prakasa Eka Putra (2013)

Dr. Gugup Kismono (2014)

Prof. Iwan Dwi Prahasto

Evaluator:

Prof . Jumina (Chemistry)

Dr. Dwi Siswanta, MS (Chemistry)

Dr. Roto (Chemistry)

Dr. Doni Prakasa Eka Putra (Engineering)

Dr. Bambang Purwono

Dr. Tutik Dwi Wahyuningsih

Lecturer:

Dr. Agung Harijoko (Engineering)

Dr. Agus Maryono (Engineering)



UGM Staff and Alumnae Studying at HU

No.	Name	Title	Faculty	Field	University
1	Suherman, S.Si	S3	Mathematics and Natural Sciences	Food Analysis and Medical Diagnosis	Hokkaido University
2	Intan supraba, S.T.,M.Sc	S3	Engineering		Hokkaido University
3	Lesnanto Multa Putranto, S.T.,M.Eg	S3	Engineering	Electric and Information	Hokkaido University
4	Rochim Bakti Cahyono, ST.,M.Sc	Riset	Engineering	Manufacturing Engineering	Hokkaido University
5	HAQ Shofa Rijalul	S3	Engineering	Geological Engineering	Hokkaido University
6	Lina	S3	Mathematics and Natural Sciences	Catalyst	Hokkaido University
7	Satya	S3	Mathematics and Natural Sciences	Environmental Science	Hokkaido University

Up-coming events : Learning Satellite HU-UGM

Topics: Special Topics on Materials for Environmental Issues (2 Credits)

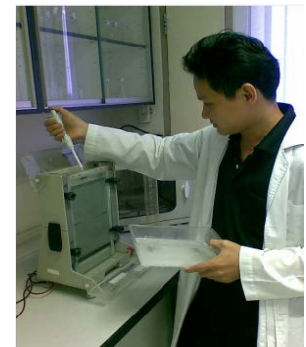
Time: End of March 2016 (one week)

Place: Universitas Gadjah Mada (UGM)

Participants: Master Students of UGM and Hokkaido University

Contact Person: Prof. Mudasir, Prof. Nuryono, Dr. Roto (MIPA UGM)

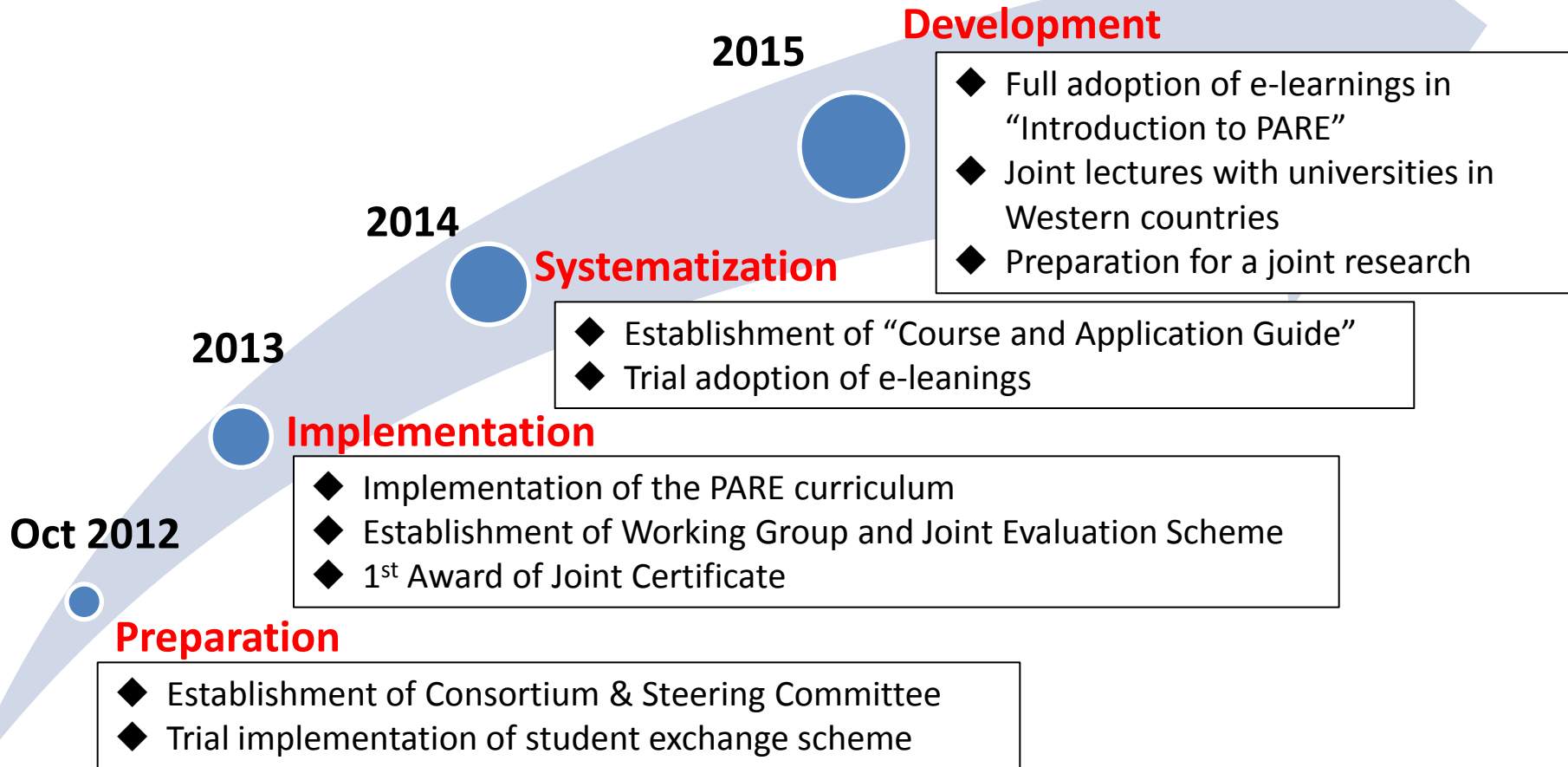
Prof. Kurasaki, Prof. Saito, Prof. Hosokawa ,Prof. Shunitz Tanaka (Hokkaido)



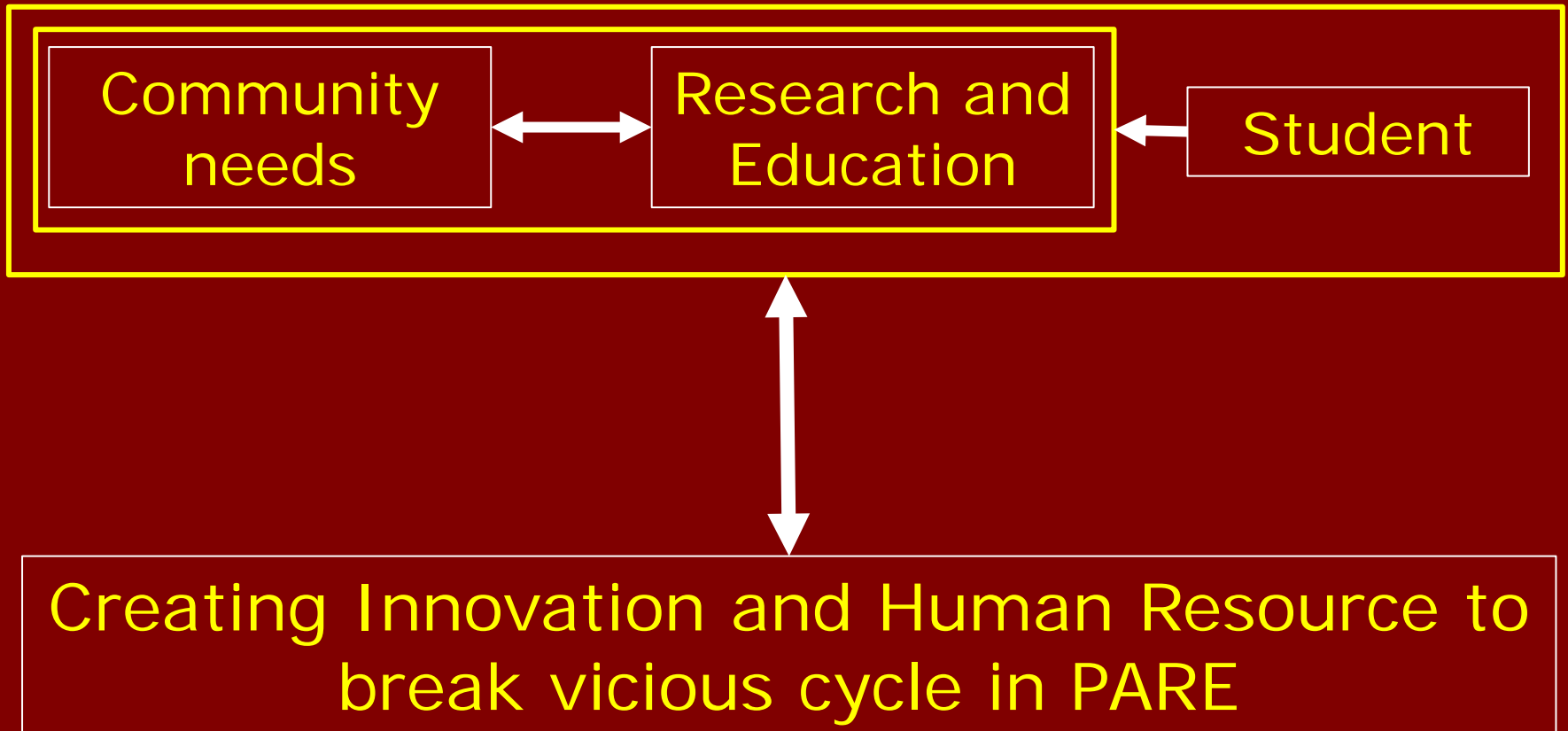
Conclusion; Progress & Next Target:

Progress of the PARE Program: 2012-2015

Best Vehicle
of Student
Mobility



Conclusion; Way Forward



IN A PERFECT WORLD...

PARE is a global Issue; What global citizen needs ?

- Smart, Explore all opportunity and challenges proportionally
- Able to work with people with different background
- We have to interact (collaborate) to equip our next generation with these competencies