



부산대학교  
PUSAN NATIONAL UNIVERSITY



THE UNIVERSITY OF  
NEWCASTLE  
AUSTRALIA

## Pusan National University and University of Newcastle: Collaboration in a Global and Local (Glocal) Context

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Pusan National University  
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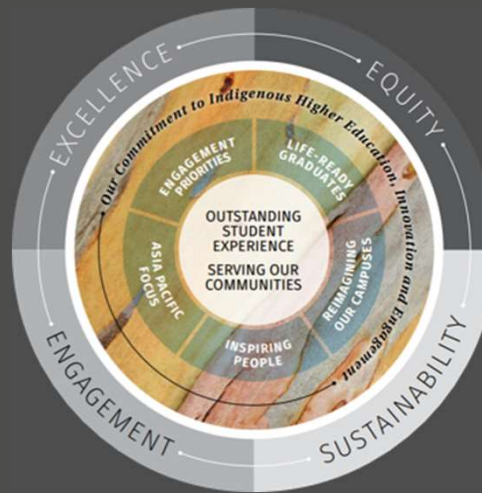
University of Newcastle  
Deputy Vice President Global  
Global Engagement and Partnerships  
**Prof. Kent Anderson**



# UNIVERSITY OF NEWCASTLE AND PUSAN COLLABORATION IN A GLOBAL CONTEXT

- **WELCOME**
- **UNIVERSITY OF NEWCASTLE & PUSAN NATIONAL UNIVERSITY INTRODUCTION**
- **UNIVERSITY OF NEWCASTLE & PUSAN NATIONAL UNIVERSITY 15 YEAR PARTNERSHIP**
- **UNIVERSITY OF NEWCASTLE & PUSAN NATIONAL UNIVERSITY GLOBAL PARTNERSHIP 2022-2027**
- **LESSONS AND Q&A**

# UNIVERSITY OF NEWCASTLE BY THE NUMBERS



**We are a University of our regions and for our regions.**

We're committed to delivering a world-class education and growing and improving outcomes for our regions through partnership with industry and community.

# FLAGSHIP RESEARCH INSTITUTES AND CENTRES



## **NIER**

### **Newcastle Institute for Energy and Resources**

Providing a multidisciplinary model for transformational research in energy and resources.



## **GICAN**

### **Global Innovative Centre for Advanced Nanomaterials**

Using nanotechnology to solve the greatest challenges facing the world.



# PUSAN NATIONAL UNIVERSITY

Founded by the South Korean government in 1946  
Korea's first national university

Currently 33,500 students are enrolled  
250,000 alumni

Initially founded with two faculties - Humanities and Fisheries  
Currently fifteen colleges, one independent division, one general graduate school, four professional graduate schools and five special graduate schools  
The eighteen research institutes includes the Pusan Clean Energy Research Institute

**PNU values: Truth, Freedom and Service**



## Four regionally-specialized Campuses



**Pusan**

University headquarters  
Comprehensive education/Research



**Yangsan**

Medical Center  
Medical, Bio Sciences



**Miryang**

Agricultural Science  
Nano Science



**Ami**

Medical Center  
Medical Sciences

# PCERI history



# PCERI-GENCOS

Thermal Power Combustion Engineering

K-HTS (KOSPO-Hydrogen Technology Seminar, International)



# Main Projects

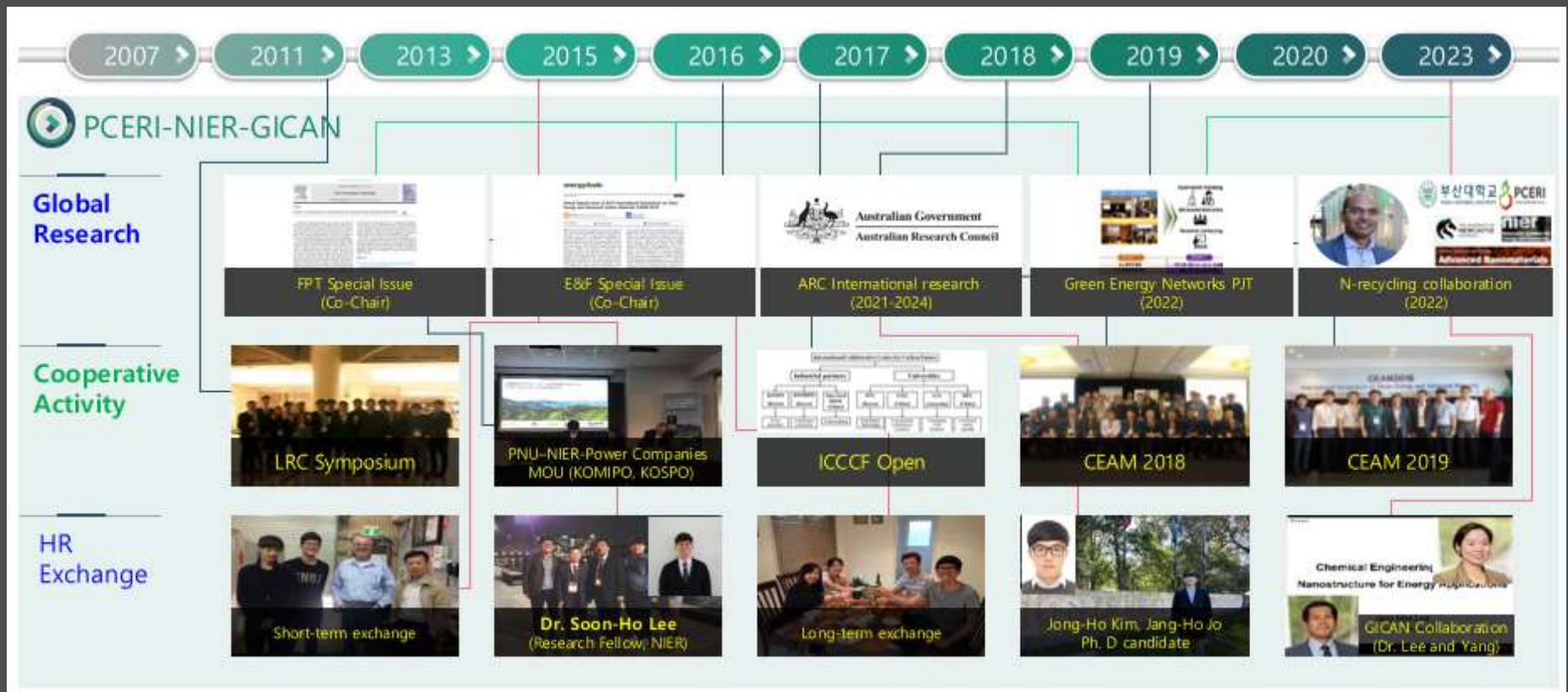
Year	Project Description
2007	Ministry of Trade, Industry and Energy University Electric Power Research Center Project (07.06~11.05)
2007	Power industry infrastructure construction project 'Infrastructure for Coal Physical/Chemical Characteristics Analysis' (08.09~11.10)
2011	KOSPO, Hadong (10.02~), KOMIPO Boryeong (15.04~), KOSPO Samcheok (16.07~) Signed technical support agreement
2015	GENCOs consignment R&D 'Moolarben coal Devolatilization characteristic analysis and Derivation of Optimal Combustion Plan' (11.07~12.07, 12 months)
2016	GENCOs consignment R&D Conducted 'Optimal coal selection and consumption plan' (14.09~17.09, 36 months)
2020	PNU-KOEN 'Biomass Fuel Center' agreement (20.05~)
2022	PNU-UON Global Collaborative Research Centre for Green Ammonia Integrated Power Generation (22.07~)

# Cooperative Activity





# PNU-UON – 15 YEAR COLLABORATION HISTORY



# NATIONAL INNOVATION PROJECT – GLOCAL UNIVERSITIES

The Korean Ministry of Education will provide \$127M to support university integration over five years

**Pusan National University has been selected as a Glocal University, standing at the center of development in Southern Region.**

PNU presents a vision of a new future education city created by “Edu-TRIangle”

University integration, educational innovation for fostering interdisciplinary talents, and establishment of the Southern region’s industry-academia platform.

The University of Newcastle is honored to continue collaboration with PNU.



# PNU-UON – FUTURE GLOCAL COLLABORATION

Establishment of a collaborative platform for industry-academia cooperation in the energy sector

- Pusan City
- KOSPO
- PANASIA



Establishment of a collaborative platform for Green Energy (Ammonia) and power generation between PNU, UON and Port of Newcastle.

Opening ceremonies for the G-HUB held in Australia and Korea in October 2022



# LESSONS FOR SUCCESSFUL GLOCAL PARTNERSHIPS

- **Long term:** Based on building on established partnerships
- **People and diaspora:** Individuals and their personal experiences matter
- **Complementarity and reciprocity:** 'win-win' and 'sum more than the parts'
- **Constant and focused:** Not delegations but sustained focus
- **Progressive development:** Organic to start; leveraging cognate areas, leadership symbolic

# THANK YOU



## Q&A

