

UNIVERSITY-BUSINESS COOPERATION FOR REGIONAL DEVELOPMENT

Case of Indonesia

Edwan Kardena

- World is facing many problems. There are problems in the US...early this week Bill Gate was interviewed in CNN and asked on what is his opinion on if student follow his path..drop out from university but the success in doing business...He is addressing the problem in US higher education..by saying that education is something that need to be invested..
- In the UK there are also problems...to day the cost of tuition fee for home students was increased significantly
- I believe there are also problems in Europe and also Asia...

- Global issues such as climate change, global economic recession, food and energy security, environmental and water...are need to be seriously addressed.
- If not university...who else can take the initiative..
- University can contribute not only by the work of their professors through research, development and innovation but also by producing **graduates having global competences that can survive and meet high criteria of global world**

- International Presidential Forum hosted by KAIST in Korea on 8th November 2011 pointed out the need of university to adjust themselves so that they can produce graduates with global competences.....**a borderless and creative education is needed....**
- New academia must be created....To establish undergraduate and postgraduate programs we only need PhDs/Professors...to establish research university we need research culture..but soon this mind set will also be the pass...**Creative Education..that will produce creative and innovative students need creative and innovative system of educations**

ORIENTATION OF HIGHER EDUCATION

SCHOLASTICS



ARISTOTLE (384-322 BC)

HUMANISM



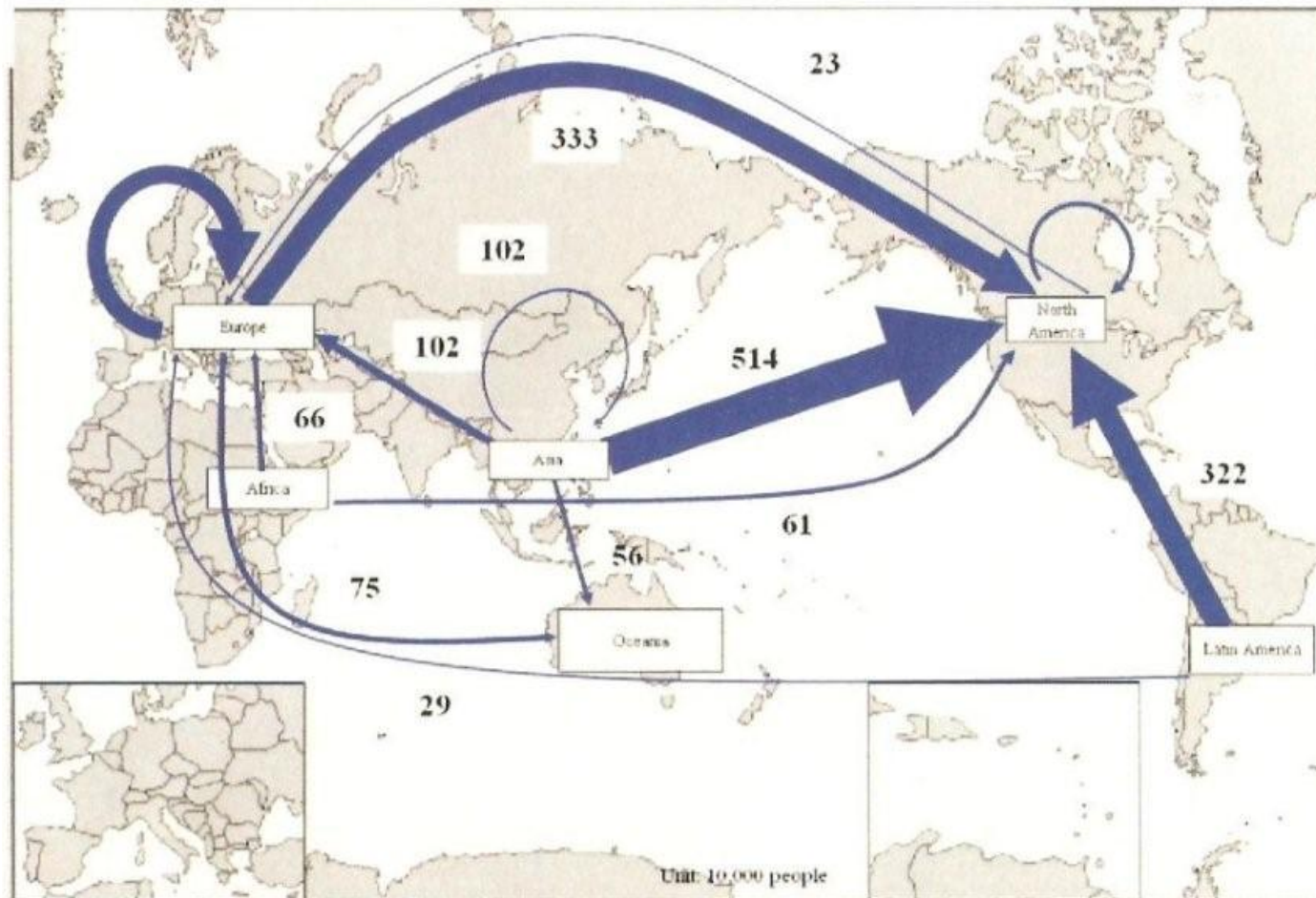
CICERO (106-43 BC)

ORIENTATION/DIRECTION
OF HIGHER EDUCATION
DEVELOPMENT

Globalisation in Higher Education

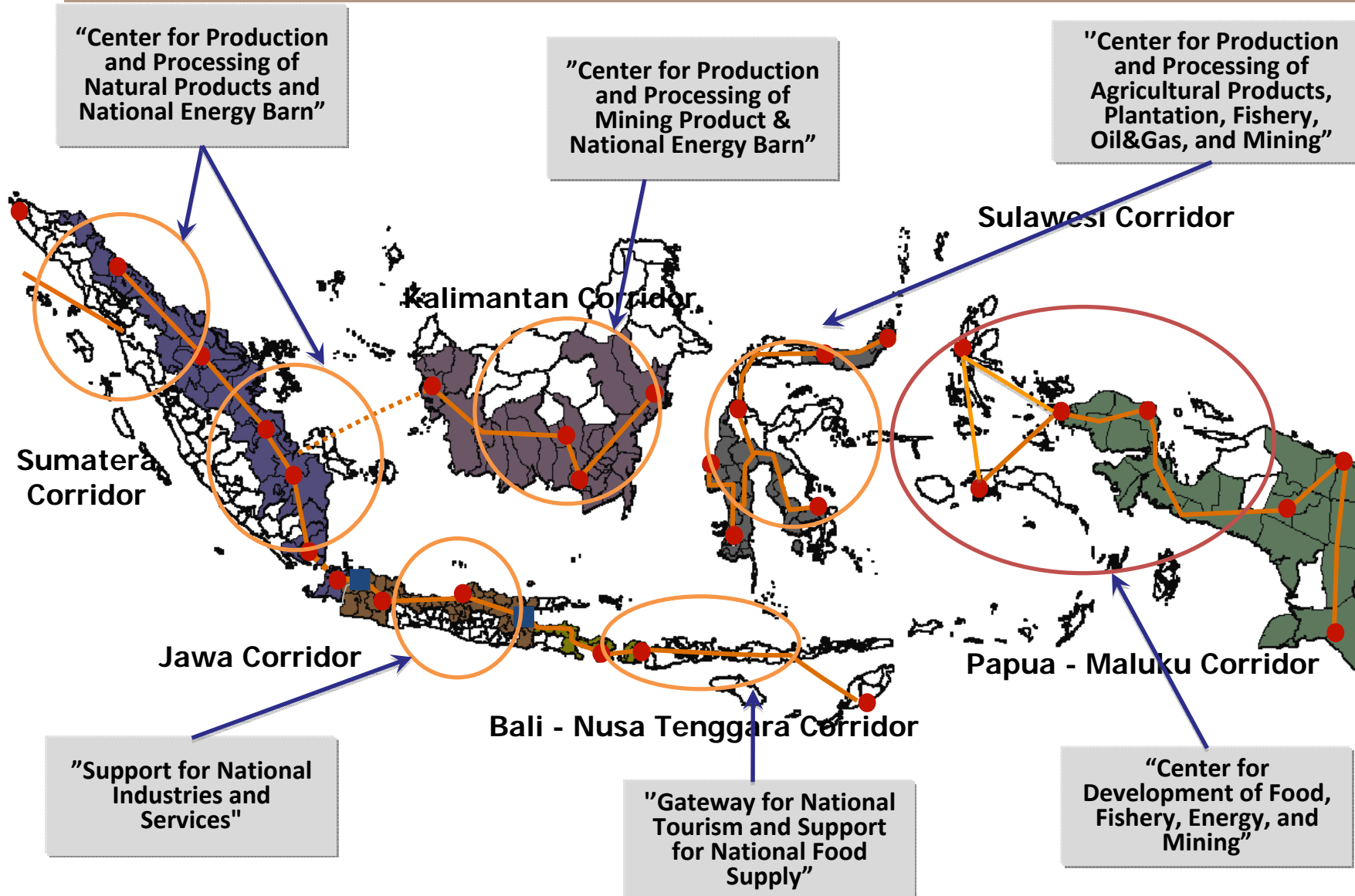
- Best students want to go to the best university
 - Case of Japan: Best students from (even) best university in Japan want to study in “better university” ..such as in to the US or Europe
 - Case of Indonesia: Best students want to study abroad
- Best graduates want to go to the best job.
Best job in a global context...means that best graduates will mostly go global

Interregional Migration of College Graduate Human Resources (stock base 2000)



Source: B. Lindsay Lowell, Trends in International Migration Flows and Stocks, 1975-2005, OECD SOCIAL, EMPLOYMENT AND MIGRATION WORKING (PAPERSDELSA/ELSA/WD/SEM(2007)13) (2007-09-27)

Accelerating Expansion of Indonesian Economic Development

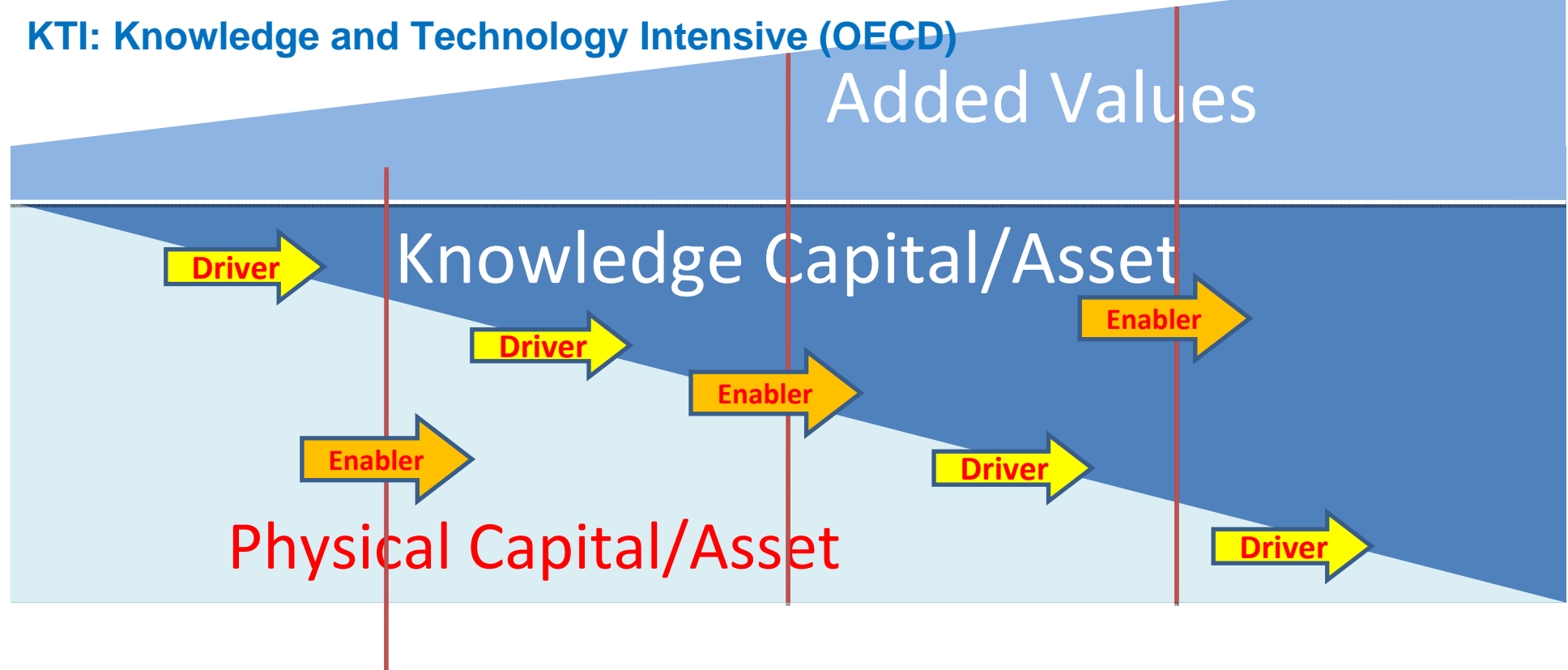


Strategies for Development Expansion Acceleration



Roles of Higher Education in Economic Development

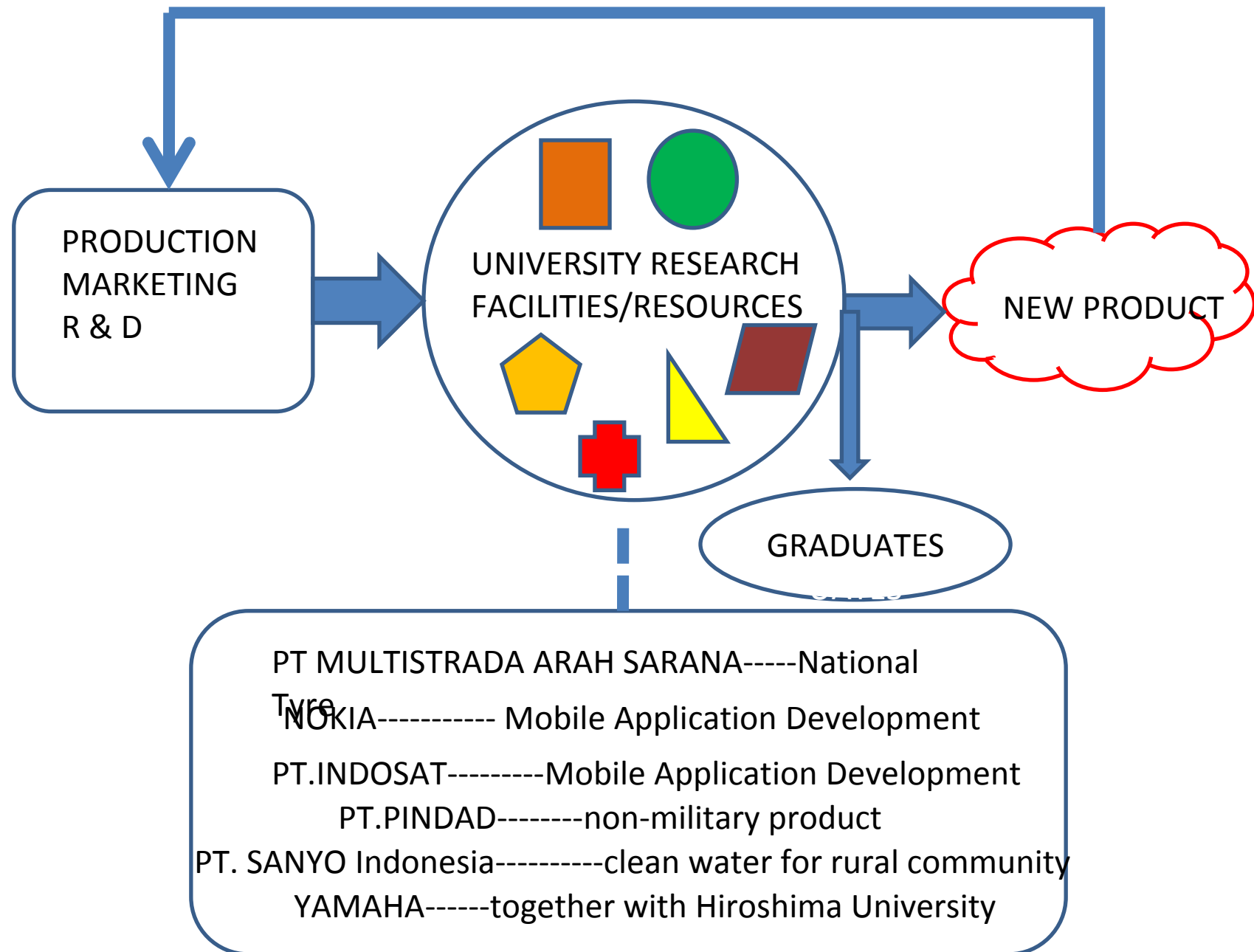
KTI: Knowledge and Technology Intensive (OECD)

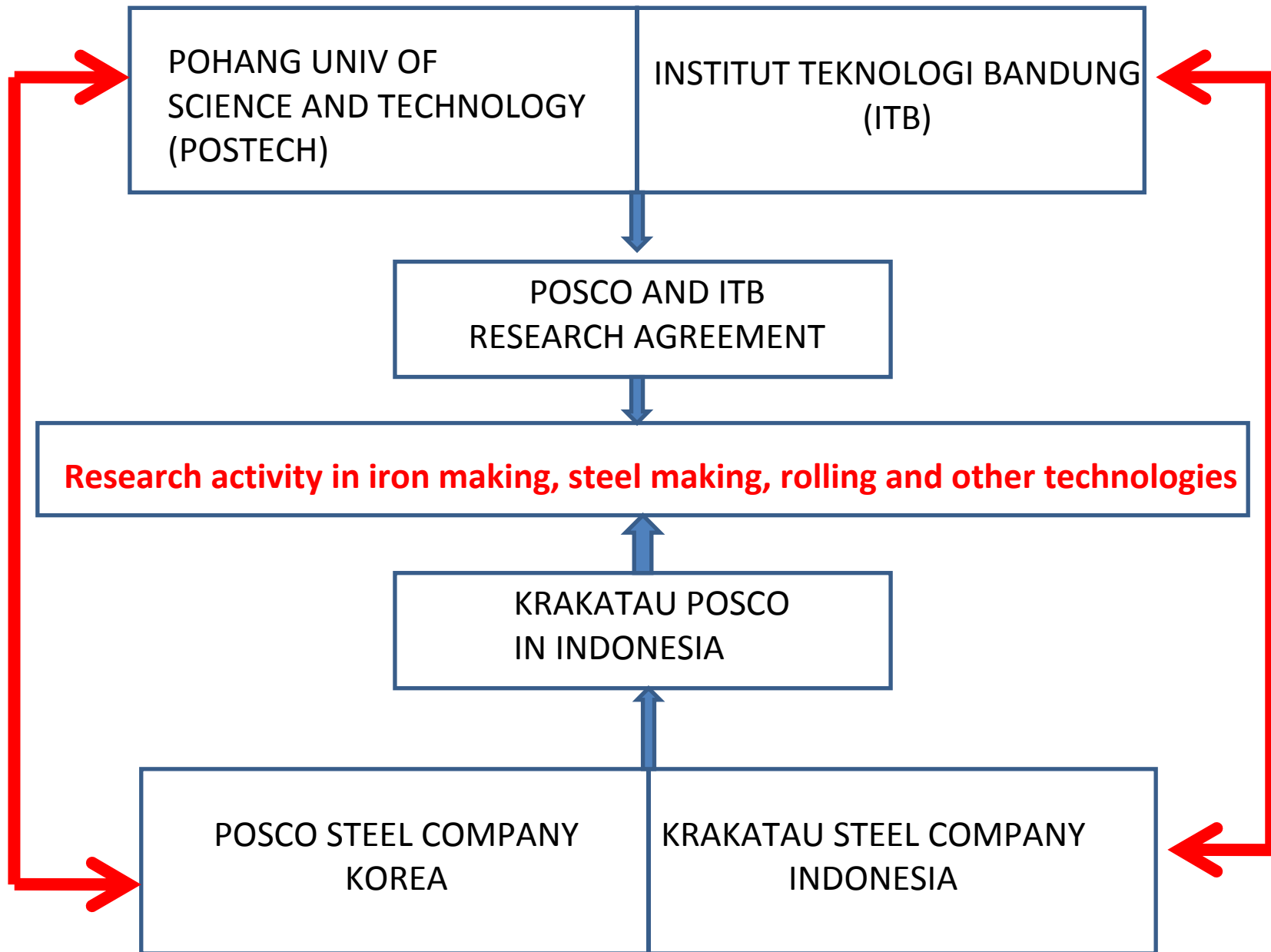


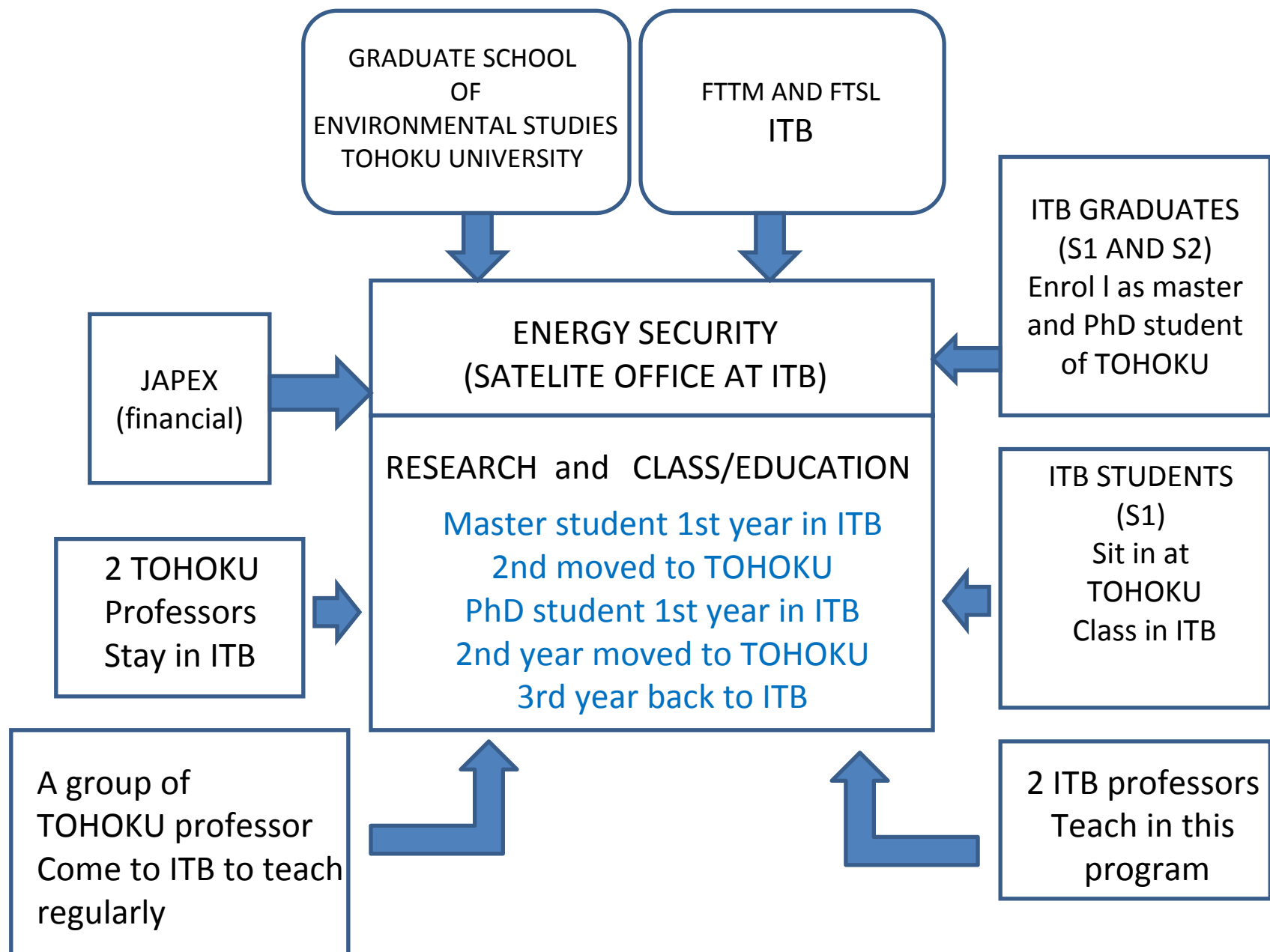
Primary Industries Secondary Industries Tertiary Industries KTI Industries

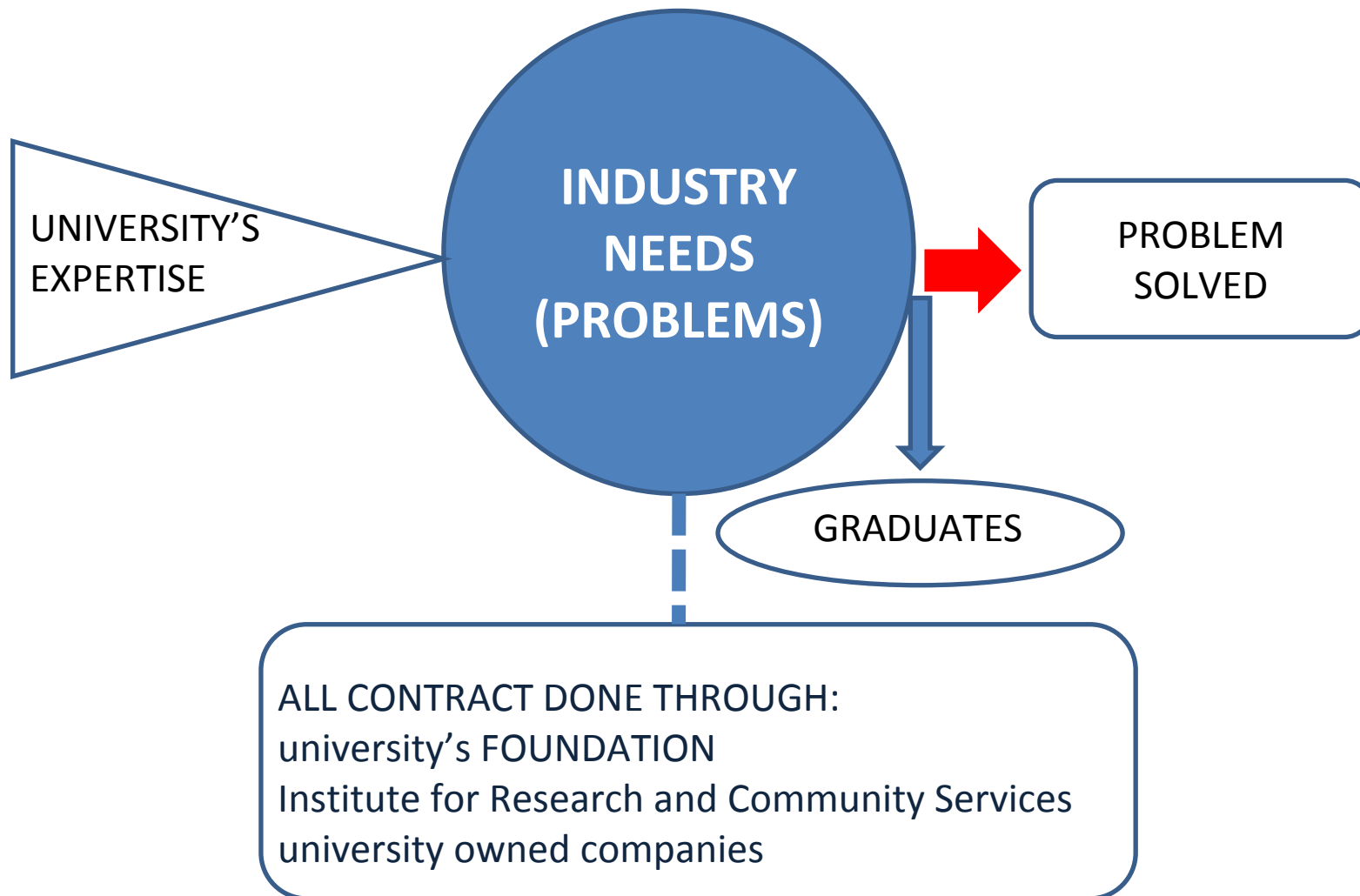
Driver	Produce skilled labors that can improve the work processes so that higher education graduates can increase productivity and added values to industries
Enabler	Produce research that can be implemented in product and process innovation so that new industries with higher added values are created.

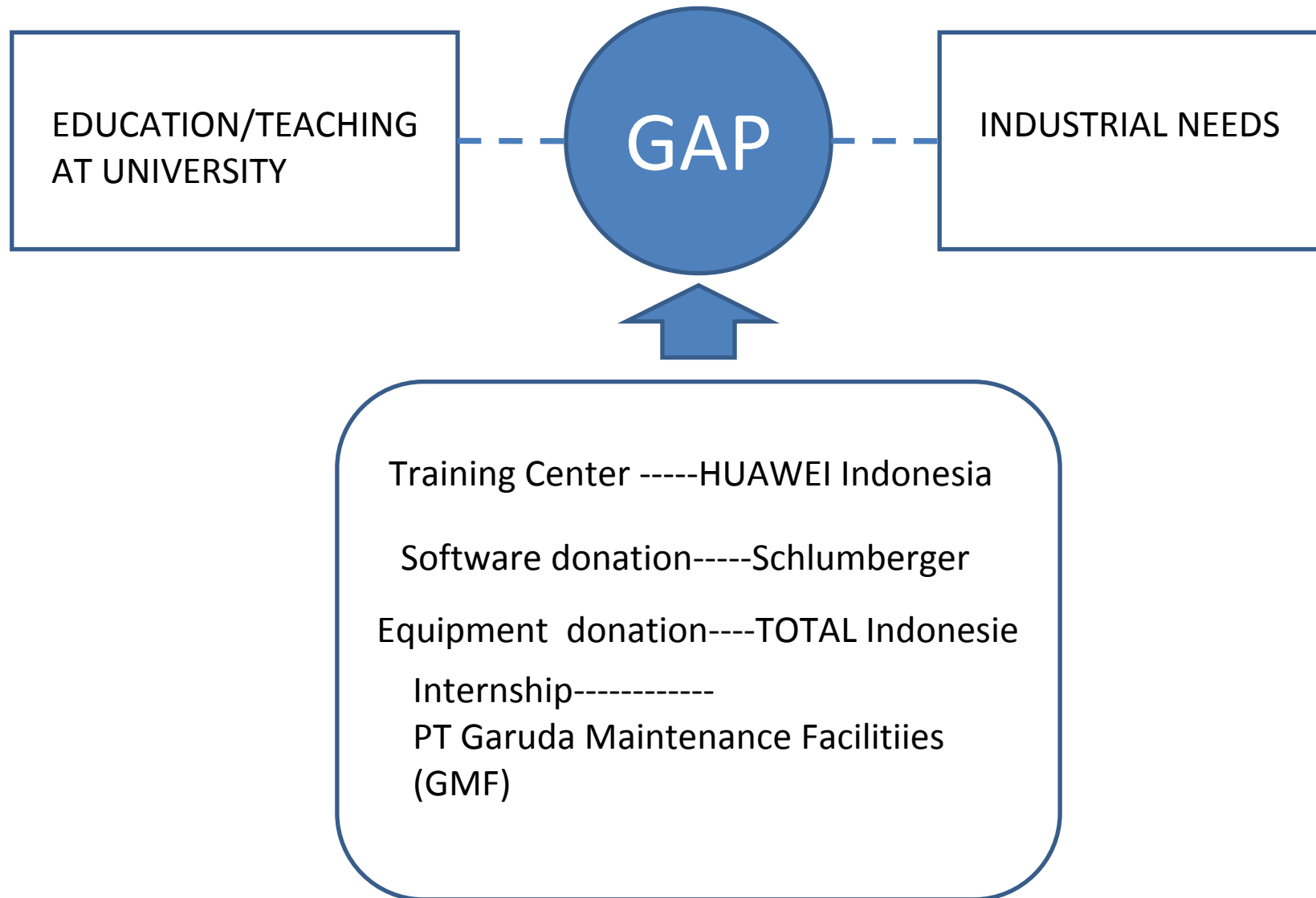
Model cooperation
at the established/big universities











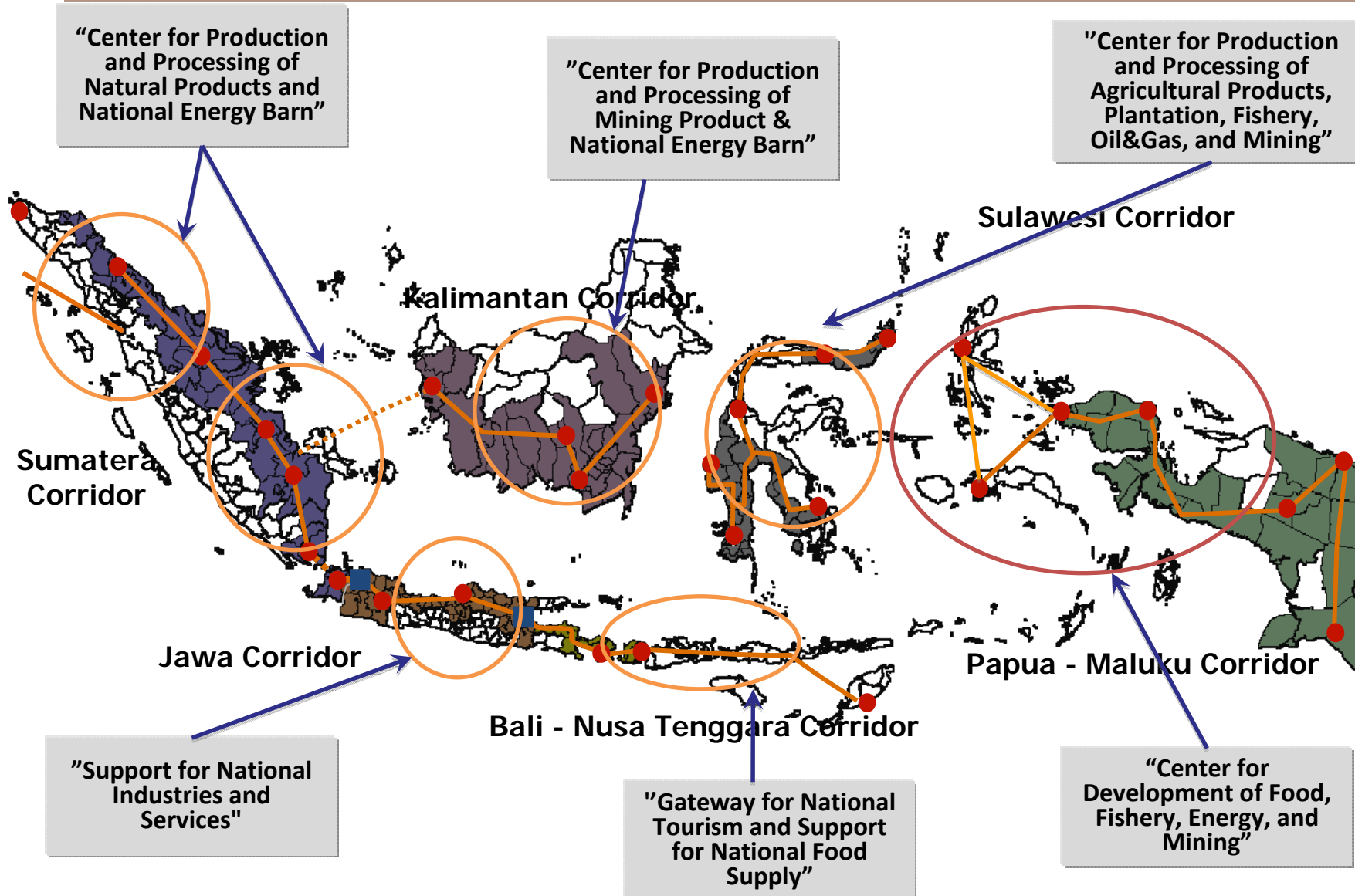
- UNIVERSITY JOB FAIR.....
- CAREER DEVELOPMENT CENTRE (CDC)
- INFORMATION SESSIONS
- AGREEMENT WITH INDUSTRIES TO PROVIDE FACILITIES FOR STUDENT INTERNSHIP
- DEVELOPING ENTREPRENEURIAL SKILL
through Institute for Innovation and
Entrepreneurial Development/Incubator
business

Ordered Oriented Training

- Normally at master level
- Students are employee of industries
- Examples:
 - Master of logistic (ordered by BULOG)

Regional Development

Accelerating Expansion of Indonesian Economic Development



Expansion of Laboratorium of Kampar Palm Oil Polytechnique (Sumatra)

- Establishment New Laboratorium for teaching and innovation in down stream process (especially using waste as material)..enabling students to learn how to establish zero waste palm oil mill industries
- Involving budget from KOICA and company from Korea
- Supported by 36 palm oil mill industries in the region
- Supervised by one big national university

Other Polytechniques linked with Industries

- Chevron/Caltex Polytechnique (Sumatera)
- Balikpapan Politechnique (Kalimantan)
- Art Polytechnique (Central Jawa)

Development of New Program Related to the Specific Need of the Region

- Mining Engineering at Cendrawasih University (Papua)
- Maritime/Ocean Engineering at Pattimura University (Maluku)
- Involving funding and technical assistant from Dutch government and universities...partnering with Indonesian universities...ITB for mining engineering and ITS for maritime/Ocean engineering