



INTRODUCTION OF BLUE ECONOMY

Rumpun Ilmu Kesehatan (RIK)

Universitas Indonesia

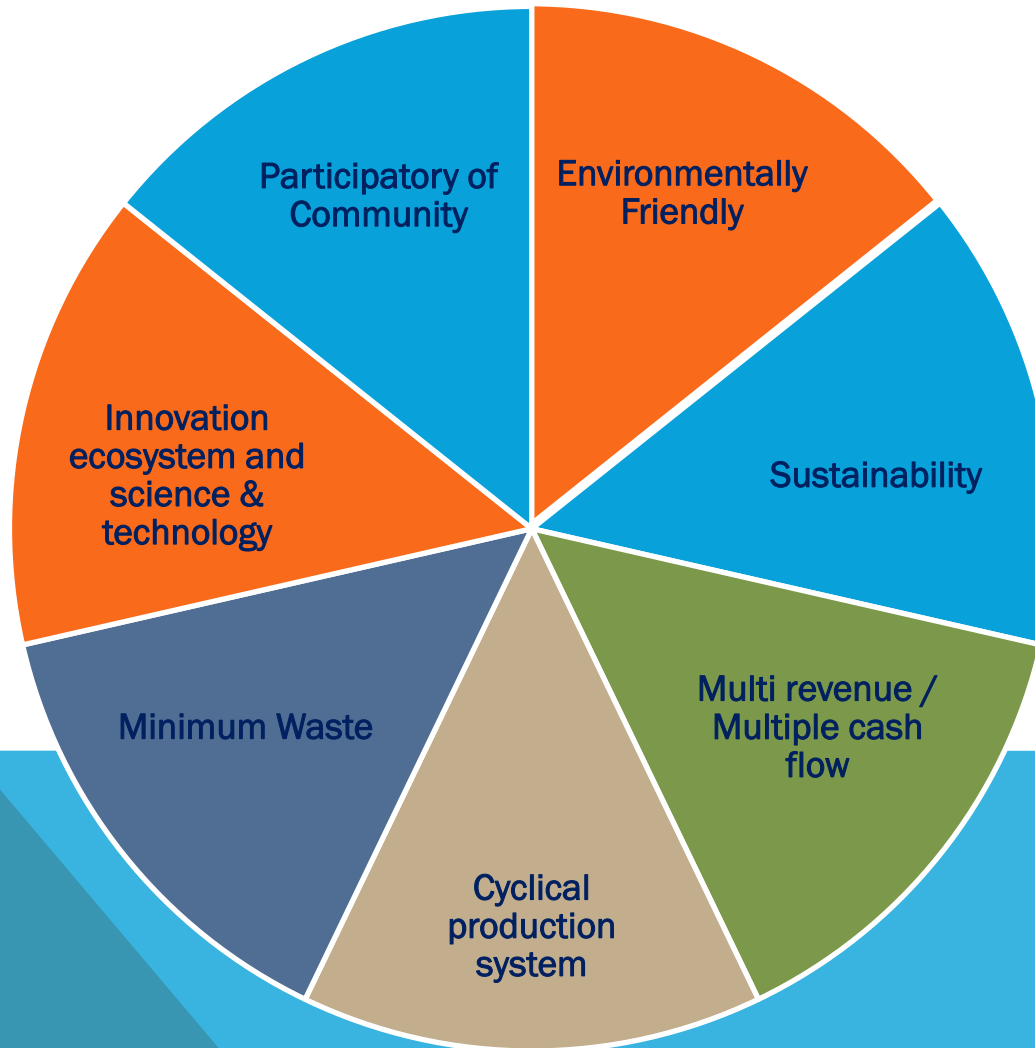
Friday, June 26 2015

Dewi Smaragdina, SE.,MSc., MAPPI (Cert)

AGENDA

- ❖ **The Principles Of Blue Economy**
- ❖ **Green Economy and Blue Economy**
- ❖ **The Activities with Blue Economy**
- ❖ **Road Map & Systematic Frame Work of Blue Economy Foundation**

The Principles of Blue Economy



The Purpose of Blue Economy



Improve the natural resources and economic value for the welfare of society

Improve the economic activity with the concept of sustainable development

Improve the local community access to the economic resources

Encourage of the innovative development and creativity for increase the efficiency and value added of the natural resources

To develop the natural resources management system in balance between utilization and conservation of the environment



Sustainability development from GREEN ECONOMY to BLUE ECONOMY



GREEN ECONOMY AND BLUE ECONOMY

GREEN ECONOMY

The principle : reduce the carbon, the efficiency of natural resources, the experts including sociality.

The indicators; high investment ; low-carbon, reduce waste, using limited manpower, **linear system**.

The efficiency of natural resources : energy, water, soil, the ecosystem change, rubbish and emissions (B3)

BLUE ECONOMY

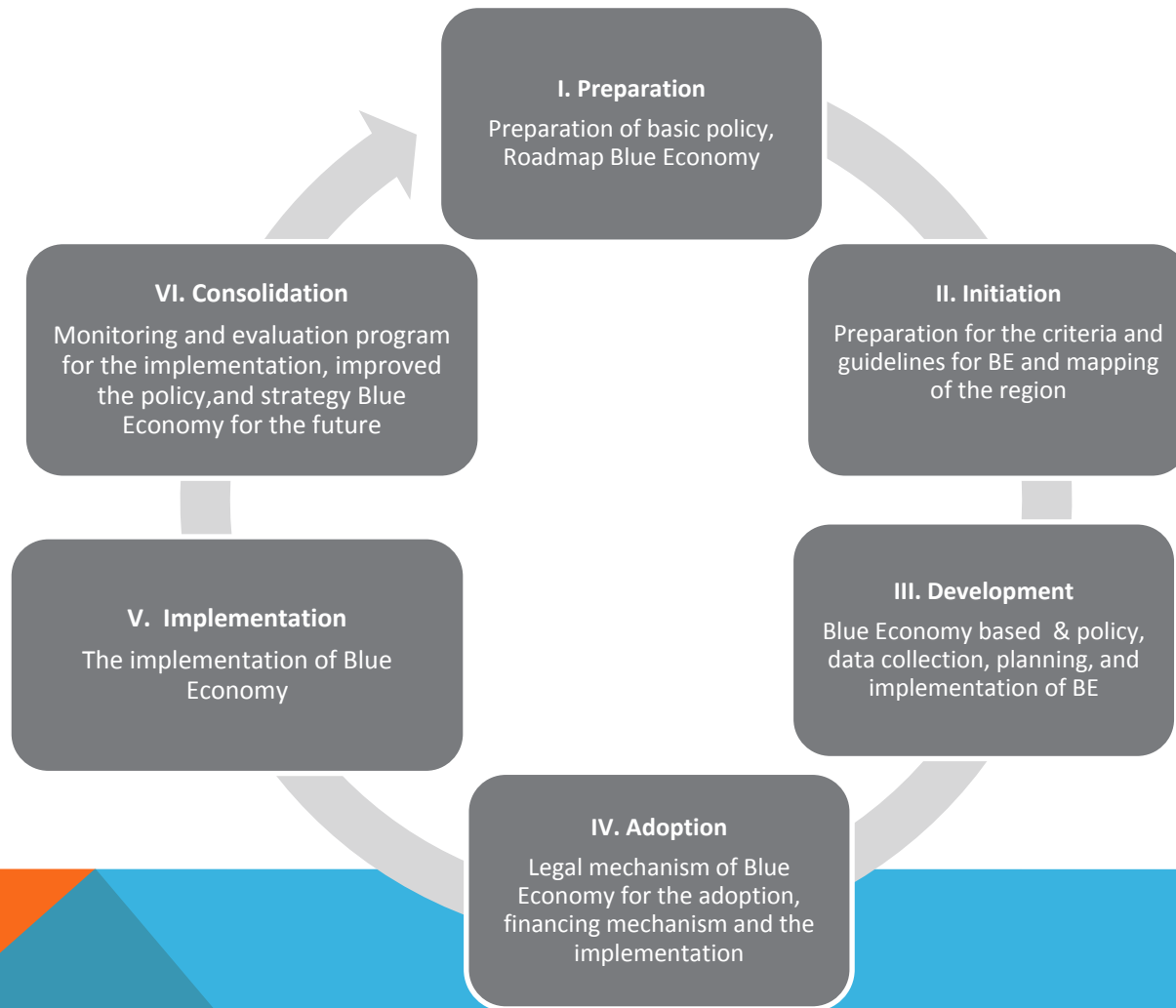
The principles : The principles of sustainable the natural resources management and supported by clean production systems without damage the environment for the welfare of human today and for the future.

learn from nature and use the process which is occur in nature

The indicators : give the entrepreneur the opportunity, give the advantage for the company (new economic models) with the clean environment and efficiency, **cycle system**.

Changing the way of thinking by increasing entrepreneurship spirit, more competence, innovation and creative.

PROCCES





THE ACTIVITIES with BLUE ECONOMY CONCEPT

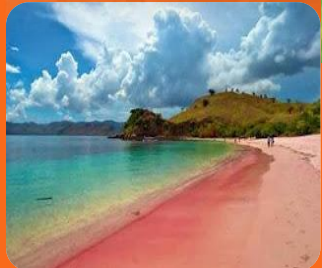
South-East Lombok “Blue Economy” Existing Use



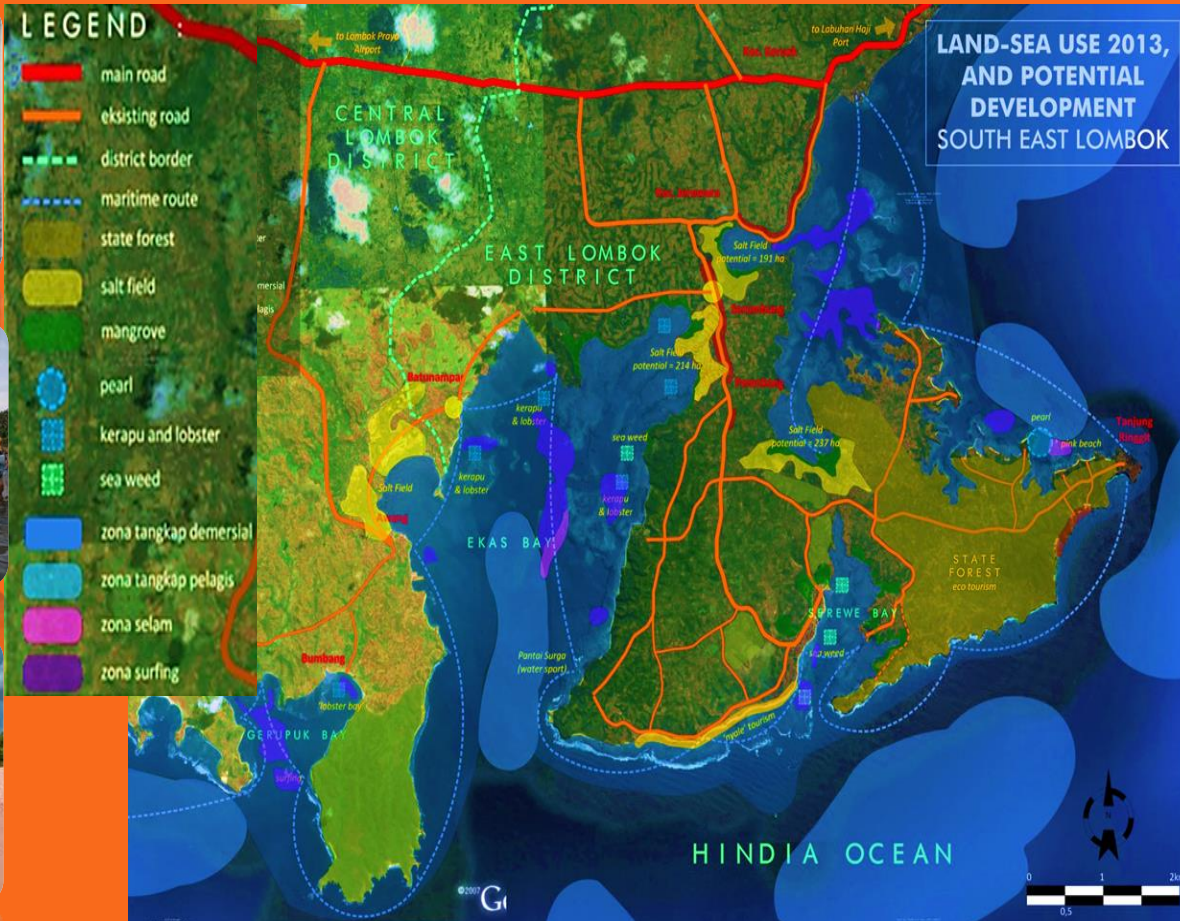
Ekas Bay



Nyale Celebration



Heaven Beach



Aquaculture

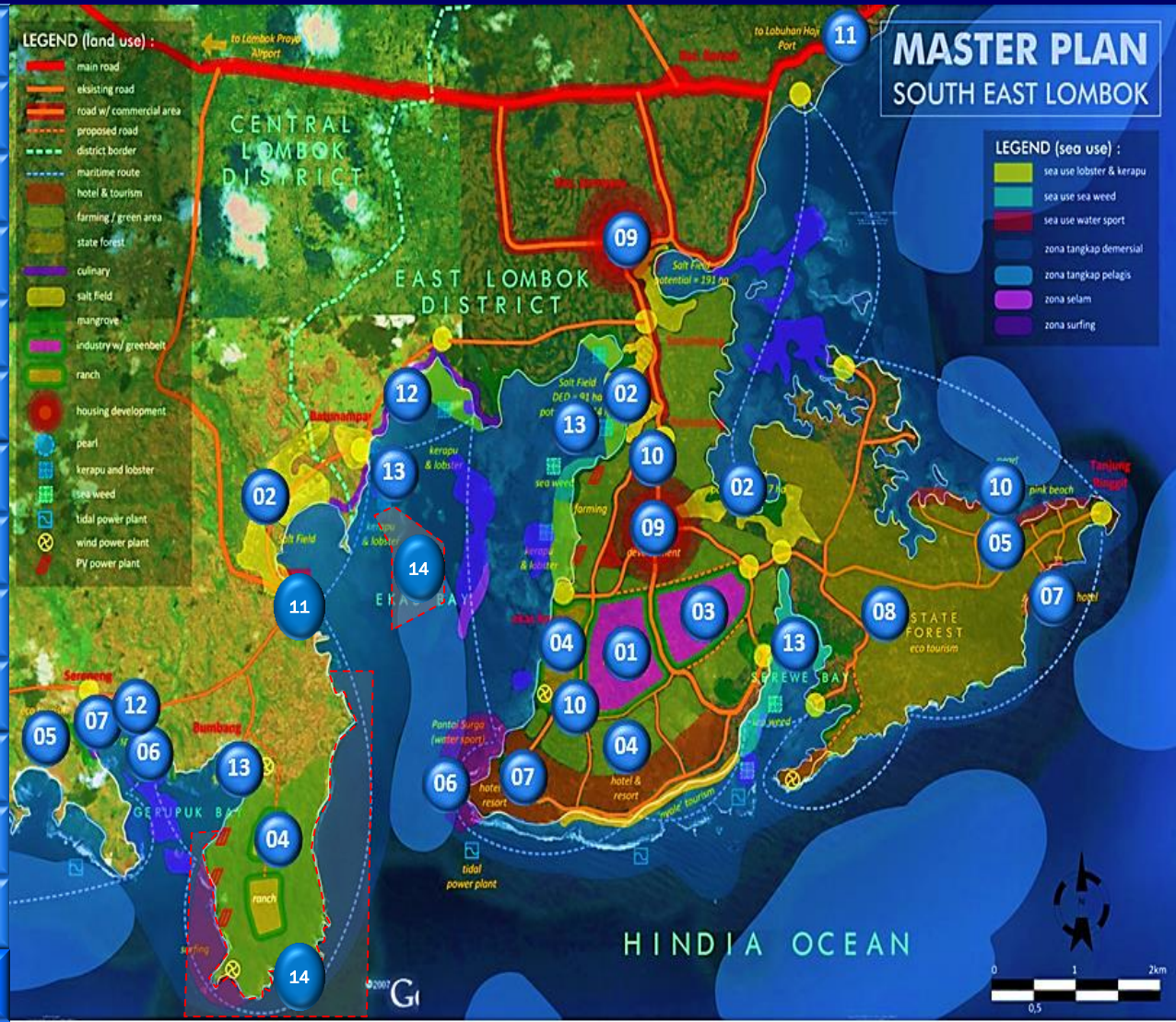


Captured Fishing



South-east Lombok “Blue Economy” Development Zone

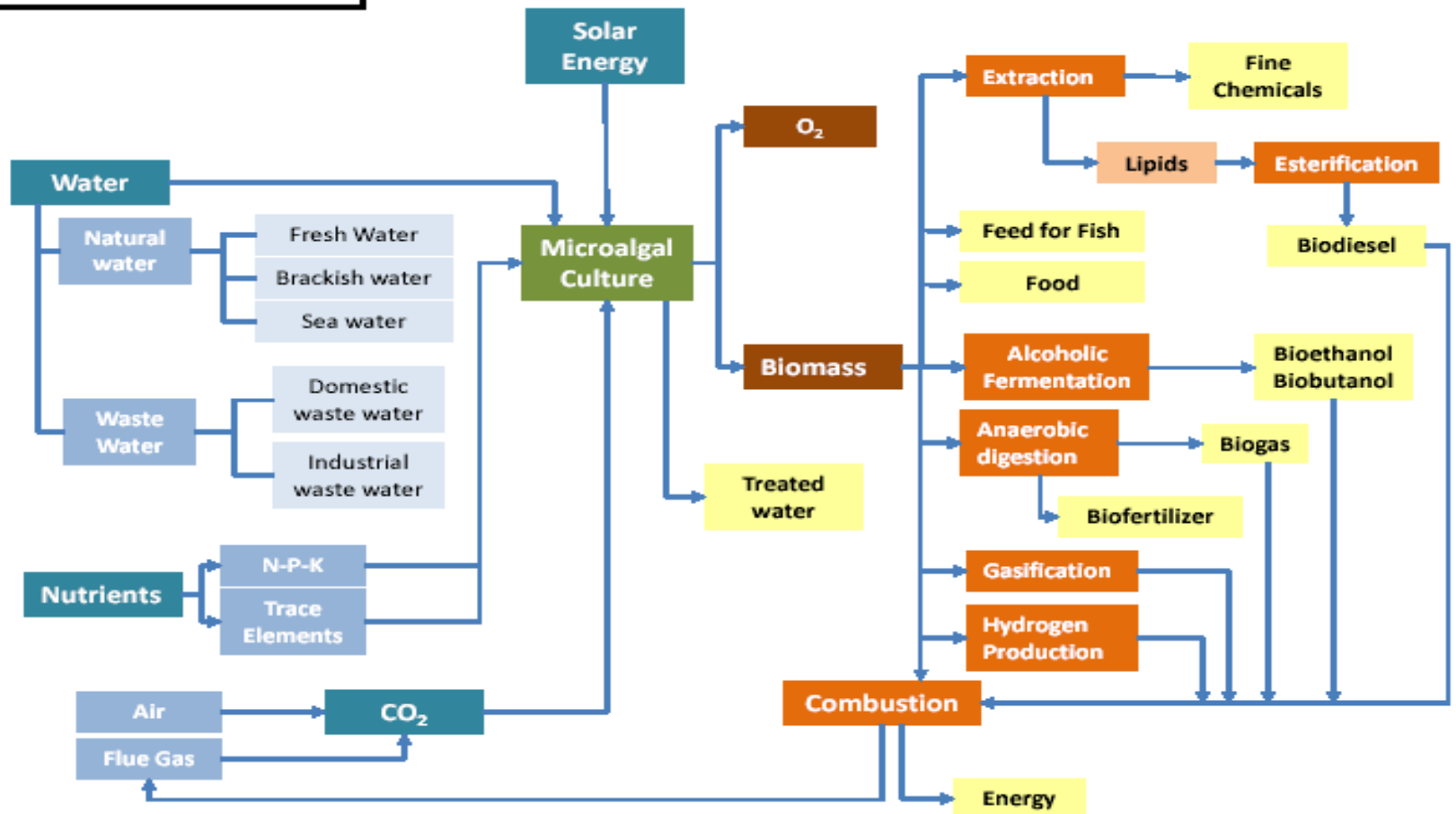
01. Marine Industry
02. Salt Field
03. Salt Industry
04. Farming & Ranch
05. Eco-tourism
06. Water-tourism
07. Tourism Accommodation
08. Forest Industry
09. Settlement
10. Research & Development
11. Harbour
12. Commercial
13. Fishery Development Zone
14. Marine Conservation



PROSES MICROALGAL BIOENGINEERING

(SUMBER: MATERI PRESENTASI PROF. JORGE ALBERTO)

Microalga Biorefinery



DISCUSSION & INSPECTION TO MICROALGA PRODUCT , SERPONG BY BPPT





**Mikroalga
research Lab
BPPT, Serpong**



MANGROVE STUDY CENTER

SIDOARJO MARINE AND FISHERIES POLYTECHNIQUE, PASURUAN



MANGROVE DAN BUDIDAYA TAMBAK UDANG SECARA TERPADU



Endang Suhaedy

Politeknik Kelautan dan Perikanan Sidoarjo

Badan Pengembangan Sumberdaya Kelautan dan Perikanan
Kementerian Kelautan dan Perikanan



ECOSAN : A Closed Loop Concept Of Environmental Preservation

Yunus Fransiscus (University of Surabaya)



Research Platform

- Water & Sanitation
 - Contaminants separation
 - Wetlands
 - Biological process
 - ECOSAN
- Solid Waste Management
 - Composting
 - Product Conversion
- Renewable Energy (with Chemical Engineering & Centre for Renewable Energy Studies)
 - Biofuel
 - Solar Energy
- Environmental
- Education
 - Delivery Method
 - Early Childhood



The ECOSAN Concept

- “Produce – Collect – Convert – Reuse”, rather than
- “Produce – Collect – Treatment – Discharge”
- Bring benefits, in term of :
 - Ecology
 - Economy
 - Effort (community capability)

Industrialization of Seaweed Processing in Indonesia Following Blue Economy Philosophy

Presenter: Lino Paravano



Current Situation of Indonesian Ponds in Coastal areas

- Much Abandoned ponds
- Urbanisation, decreasing population in villages
- Unsuitable ponds for breeding live animals



Current Situation of Indonesian Ponds in Coastal areas

- Regression and erosion of coastline, lack of maintenance of dam and water gate.
- Seawater infiltration to aquifer, reducing soil farming areas





SUSTAINABLE SHRIMP CULTURE AND ENVIRONMENTAL FRIENDLY



ECOSHRIMP CONCEPT ON SHRIMP CULTURE WITH SMALL PLASTIC POND



SINUNG RAHARDJO

**BAPPL-STP, KARANGANTU SERANG – BANTEN
TELPON/FAX. (0254) 202094**



“Ecoshrimp” = Ecological
Approach for Shrimp Culture

“Busmetik” an acronym
for: Shrimp Culture in Pond
Plastic Small Scale

BLUE ECONOMY FOUNDATION

2013 - 2015
Socialization Stage &
Pilot Project

Roadmap

2016 - 2020
Stage Acceleration and
Expansion

Roadmap

2021 - 2023
Full Implementation
Phase



Government, Entrepreneur, Education

Government

- Ministry of Maritime Affairs and Fisheries
- Ministry of Environment and Forestry
- Ministry of Research & Technology
- Ministry of Tourism
- DKI
- Agency for Meteorology, Climatology & Geophysics

Entrepreneur

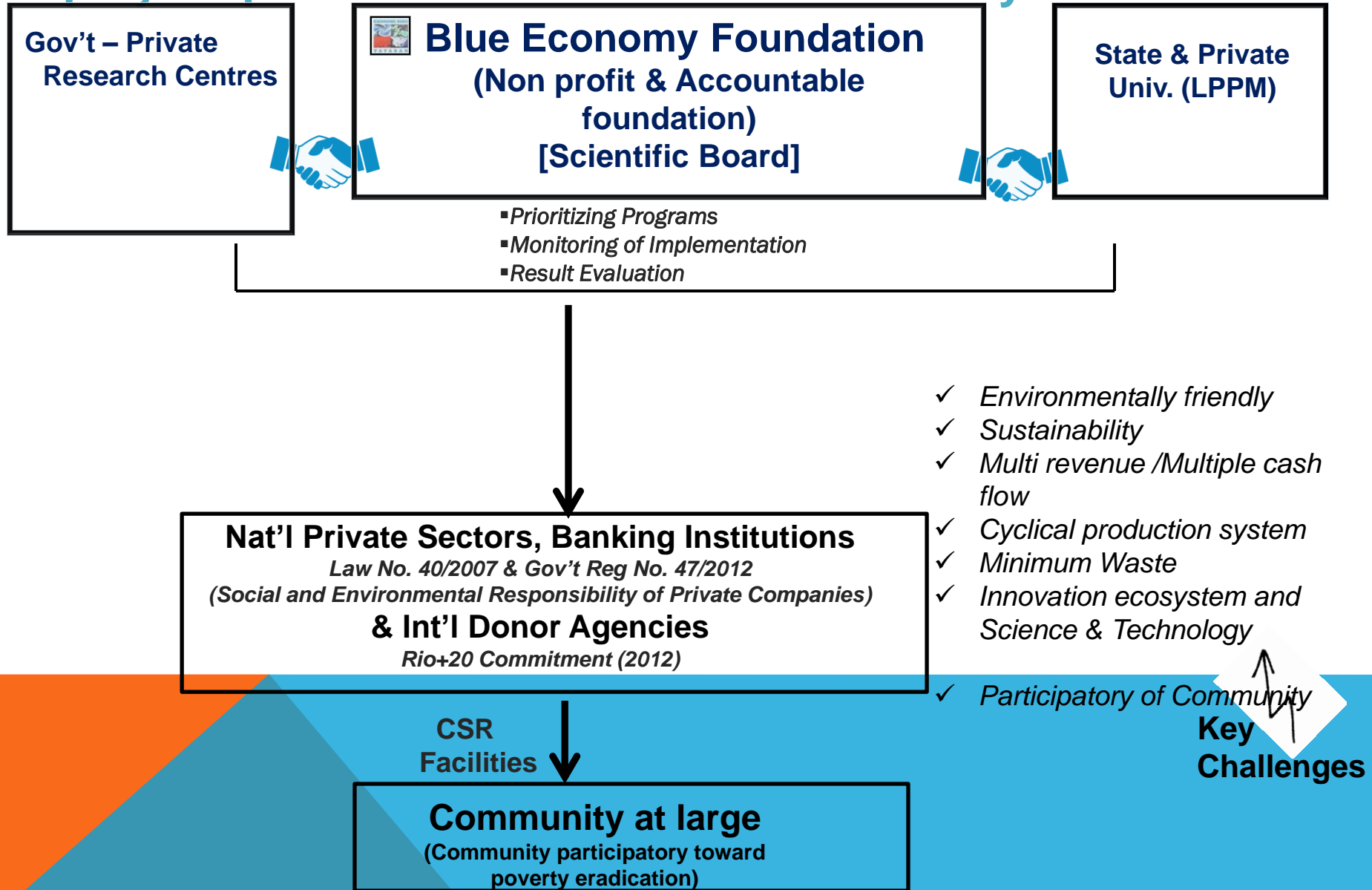
- Bamboo craftsmen at Dlingo, Yogyakarta
- Pesantren Rahmatan Lil'Alamin

Education

- Speaker at Melbourne Pan Pacific Congress (August 2012)
- Seminar Andalas University (September 2012)
- National Conference Ministry of Tourism, Lombok (September 2012)
- Seminar on Role and responsibility of the community in the development of Blue Economy in Indonesia (Dec 2012)
- Fashion Week Talkshow, Jakarta (Feb 2013)
- Talkshow CTRBF & Blue Economy on Program I RRI Jakarta (February 2013)
- Seminar CTI (Coral Triangle Initiative) Bali (March 2013)
- Small discussion forum with Prof. Gunter Pauli, Jakarta (March 2013)
- Seminar on Role and responsibility of the community in the development of Blue Economy, Jakarta (April 2013)
- Speaker in Indonesia Youth Conference, Jakarta (Juli 2013)
- National Seminar on Economic Empowerment and Spiritual Community, Medan (November 2013)
- Half Day Seminar in SMAN 78 Jakarta (November 2013)
- Speaker "Padjajaran Seminar & Economic Conference", Bandung (November 2013)
- Speaker "World Coral Reef Conference", Manado (May 2014)
- Speaker at Singapore Pan Pacific Congress (Sept 2014)

Systematic Framework:

Step by step function action of Blue Economy Foundation





Bambu at D'lingo, Jokjakarta-2012

Process burning





The Product, D'lingo, Jogjakarta



FIRST SEMINAR AT BIDA KARA, JAKARTA "INTRODUCTION BLUE ECONOMY" 2012



Small discussion forum with Prof. Gunter Pauli, Sheraton Hotel, Jakarta, 2013

Indonesian Youth Conference , 2013, Jakarta



National Seminar "Economy Encourage & Spiritual Community , 2013, North Sumatra



Activities at Pesantren Rahmatan Lil'alamin



Seed activities, 2014, Bogor with Alexander (Nederland)



Marine Festival , 2014 (Belitong)



THANK YOU