INTRODUCTION OF BLUE ECONOMY

Rumpun Ilmu Kesehatan (RIK)
Universitas Indonesia
Friday, June 26 2015

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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

- Environmentally Friendly
- Participatory of Community
- Innovation ecosystem and science & technology
- Sustainability
- Minimum Waste
- Multi revenue / Multiple cash flow
- Cyclical production system

The Principles of Blue Economy

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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

<table>
<thead>
<tr>
<th>GREEN ECONOMY</th>
<th>BLUE ECONOMY</th>
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<tbody>
<tr>
<td><strong>The principle:</strong> reduce the carbon, the efficiency of natural resources, the experts including sociality.</td>
<td><strong>The principles:</strong> The principles of sustainable 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.</td>
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<td>The indicators: high investment; low-carbon, reduce waste, using limited manpower, <strong>linear system</strong>.</td>
<td>The indicators: give the entrepreneur the opportunity, give the advantage for the company (new economic models) with the clean environment and efficiency, <strong>cycle system</strong>.</td>
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<td>The efficiency of natural resources: energy, water, soil, the ecosystem change, rubbish and emissions (B3)</td>
<td>Changing the way of thinking by increasing entrepreneurship spirit, more competence, innovation and creative.</td>
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I. Preparation
Preparation of basic policy, Roadmap Blue Economy

II. Initiation
Preparation for the criteria and guidelines for BE and mapping of the region

III. Development
Blue Economy based & policy, data collection, planning, and implementation of BE

IV. Adoption
Legal mechanism of Blue Economy for the adoption, financing mechanism and the implementation

V. Implementation
The implementation of Blue Economy

VI. Consolidation
Monitoring and evaluation program for the implementation, improved the policy, and strategy Blue Economy for the future
THE ACTIVITIES
with
BLUE ECONOMY CONCEPT
South-East Lombok “Blue Economy” Existing Use
South-east Lombok “Blue Economy” Development Zone

<table>
<thead>
<tr>
<th>01.</th>
<th>Marine Industry</th>
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<tr>
<td>02.</td>
<td>Salt Field</td>
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<td>03.</td>
<td>Salt Industry</td>
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<td>04.</td>
<td>Farming &amp; Ranch</td>
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<td>05.</td>
<td>Eco-tourism</td>
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<td>06.</td>
<td>Water-tourism</td>
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<td>07.</td>
<td>Tourism Accommodation</td>
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<td>08.</td>
<td>Forest Industry</td>
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<td>09.</td>
<td>Settlement</td>
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<td>10.</td>
<td>Research &amp; Development</td>
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<td>11.</td>
<td>Harbour</td>
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<td>12.</td>
<td>Commercial</td>
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<td>13.</td>
<td>Fishery Development Zone</td>
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<td>14.</td>
<td>Marine Conservation</td>
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DISCUSSION & INSPECTION TO MICROALGA PRODUCT, SERPONG BY BPPT
Mikroalga research Lab BPPT, Serpong
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 Chilhood
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

2016 - 2020
Stage Acceleration and Expansion

2021 - 2023
Full Implementation Phase
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<tr>
<th>Government</th>
<th>Entrepreneur</th>
<th>Education</th>
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<tbody>
<tr>
<td>- Ministry of Maritime Affairs and Fisheries</td>
<td>- Bamboo craftsmen at Dlingo, Yogyakarta</td>
<td>• Speaker at Melbourne Pan Pacific Congress (August 2012)</td>
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<td>- Ministry of Environment and Forestry</td>
<td>- Pesantren Rahmatan Lil’Alamin</td>
<td>• Seminar Andalas University (September 2012)</td>
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<td>- Ministry of Research &amp; Technology</td>
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<td>• National Conference Ministry of Tourism, Lombok (Sept 2012)</td>
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<td>- Ministry of Tourism</td>
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<td>• Seminar on Role and responsibility of the community in the development of Blue Economy in Indonesia (Dec 2012)</td>
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<td>- DKI</td>
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<td>• Fashion Week Talkshow, Jakarta (Feb 2013)</td>
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<td>- Agency for Meteorology &amp; Climatology &amp; Geophysics</td>
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<td>• Talkshow CTRBF &amp; Blue Economy on Program I RRI Jakarta (February 2013)</td>
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<td>• Seminar CTI (Coral Triangle Initiative) Bali (March 2013)</td>
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<td>• Small discussion forum with Prof. Gunter Pauli, Jakarta (March 2013)</td>
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<td>• Seminar on Role and responsibility of the community in the development of Blue Economy, Jakarta (April 2013)</td>
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<td>• Speaker in Indonesia Youth Conference, Jakarta (Juli 2013)</td>
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<td>• National Seminar on Economic Empowerment and Spiritual Community, Medan (November 2013)</td>
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<td>• Half Day Seminar in SMAN 78 Jakarta (November 2013)</td>
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<td>• Speaker “Padjajaran Seminar &amp; Economic Conference”, Bandung (November 2013)</td>
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<td>• Speaker “World Coral Reef Conference”, Manado (May 2014)</td>
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<td>• Speaker at Singapore Pan Pacific Congress (Sept 2014)</td>
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Systematic Framework:
Step by step function action of Blue Economy Foundation

Gov’t – Private Research Centres

Blue Economy Foundation
(Non profit & Accountable foundation)
[Scientific Board]

- Prioritizing Programs
- Monitoring of Implementation
- Result Evaluation

State & Private Univ. (LPPM)

Nat’l Private Sectors, Banking Institutions
Law No. 40/2007 & Gov’t Reg No. 47/2012
(Social and Environmental Responsibility of Private Companies)
& Int’l Donor Agencies
Rio+20 Commitment (2012)

- Environmentally friendly
- Sustainability
- Multi revenue /Multiple cash flow
- Cyclical production system
- Minimum Waste
- Innovation ecosystem and Science & Technology
- Participatory of Community

Key Challenges

Community at large
(Community participatory toward poverty eradication)
Bambu at D’lingo, Jokjakarta-2012

Process burning
The Product, D’lingo, Jogjakarta
FIRST SEMINAR AT BIDAKARA, 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