State of Oceans and Coasts: INDONESIA

Dida Migfar Ridha

Ministry of Environment and Forestry

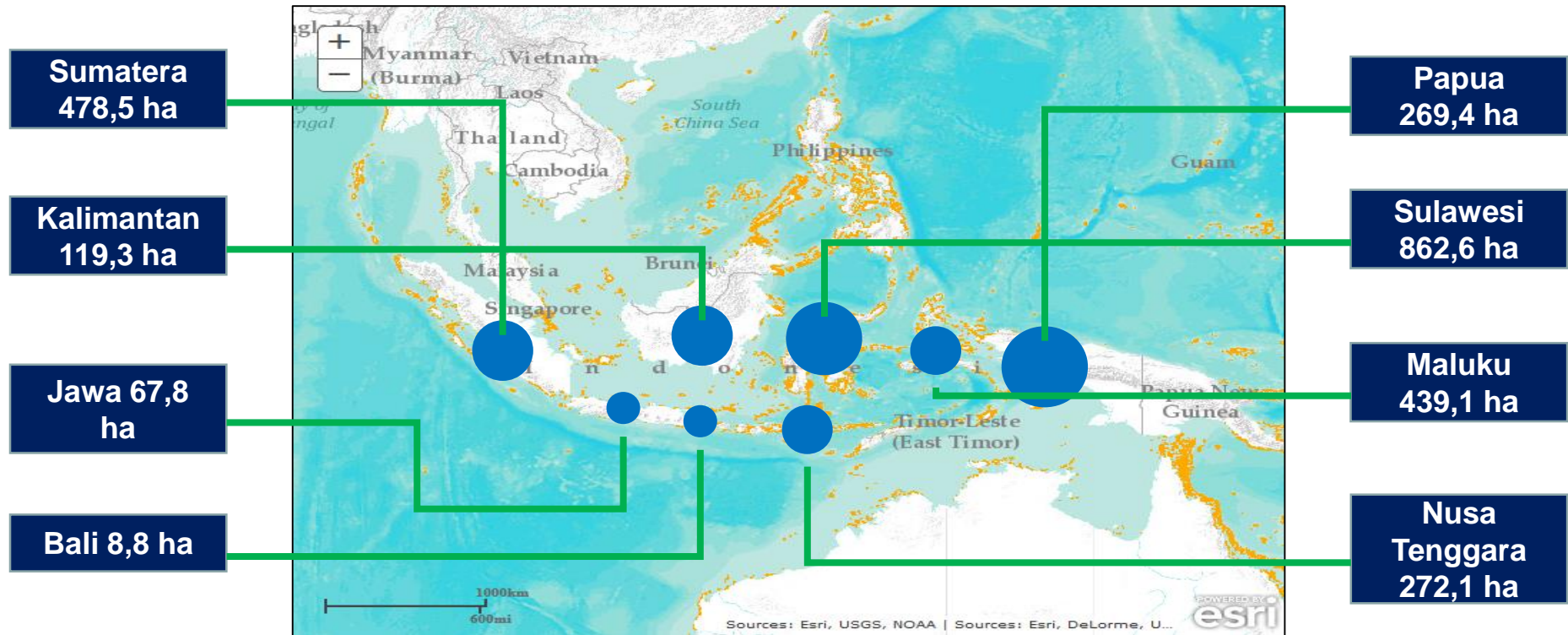# Ocean economy

Sectors	GVA (US$, in millions, in constant prices)		
	2013	**2014**	**2015**
Fisheries and Aquaculture	12,723.06	13,657.37	14,702.52
Mining (minerals, oil and gas)	22,631.32	22,154.67	22,045.15
Marine industries (manufacturing)	33,173.47	36,319.76	38,799.28
Marine transportation (shipping)	1,977.08	2,128.80	2,164.89
Marine tourism and recreation	17,605.65	18,621.22	19,304.04
Marine construction	55,812.63	59,703.91	63,251.61
Defense/Government	20,906.55	21,402.99	22,270.05
TOTAL	**164,829.76**	**173,988.72**	**182,537.54**
Contribution to GDP (%)	**27.98**	**28.12**	**28.34**
Employment (%)	**5.11**	Not available	Not available

Source: Indonesian Statistical Agency 2017

Ocean health

Coral reefs area (P2O LIPI, 2017)

Sumatera 478,5 ha

Kalimantan 119,3 ha

Jawa 67,8 ha

Bali 8,8 ha

Papua 269,4 ha

Sulawesi 862,6 ha

Maluku 439,1 ha

Nusa Tenggara 272,1 ha

Sources: Esri, USGS, NOAA | Sources: Esri, DeLorme, U...
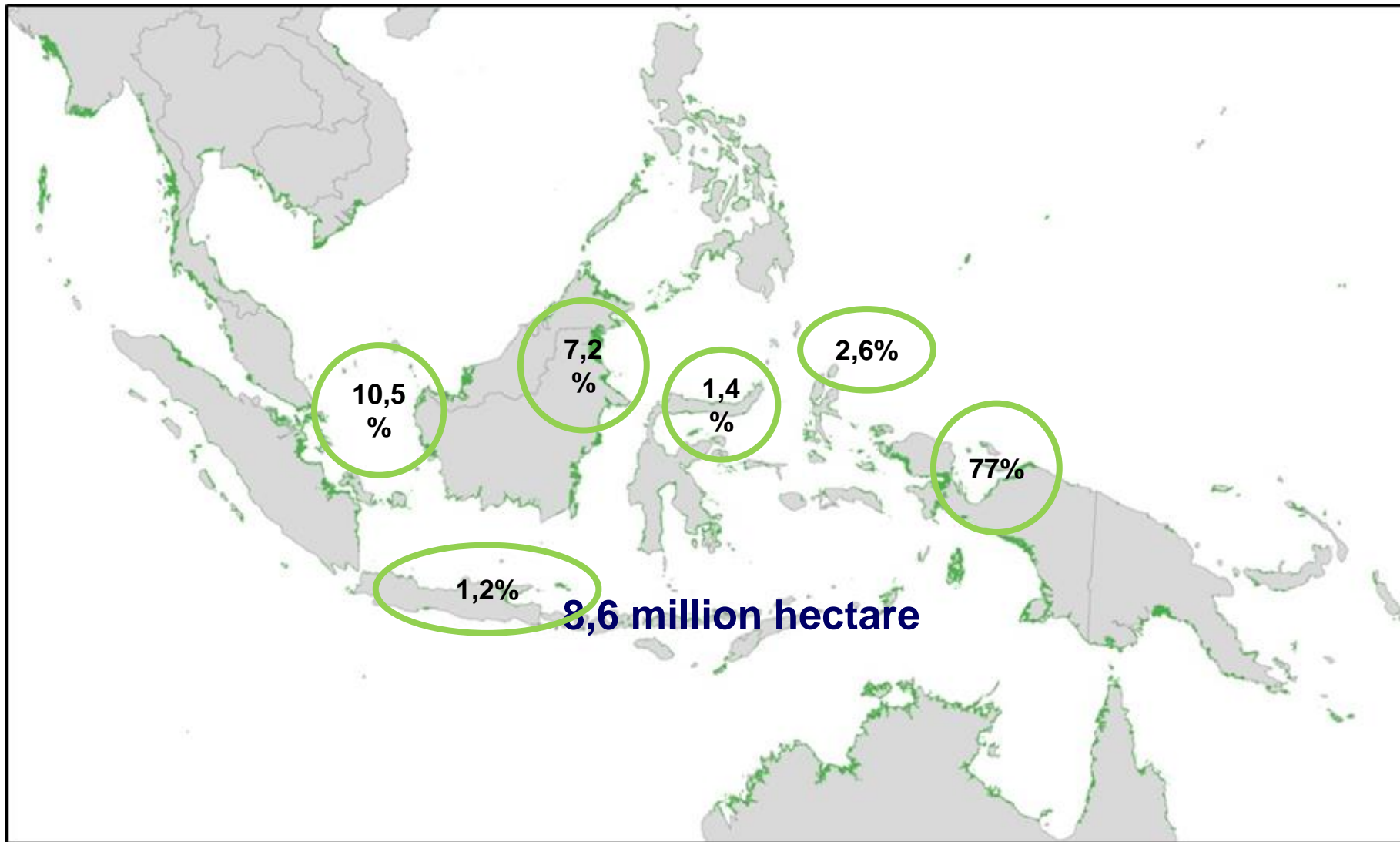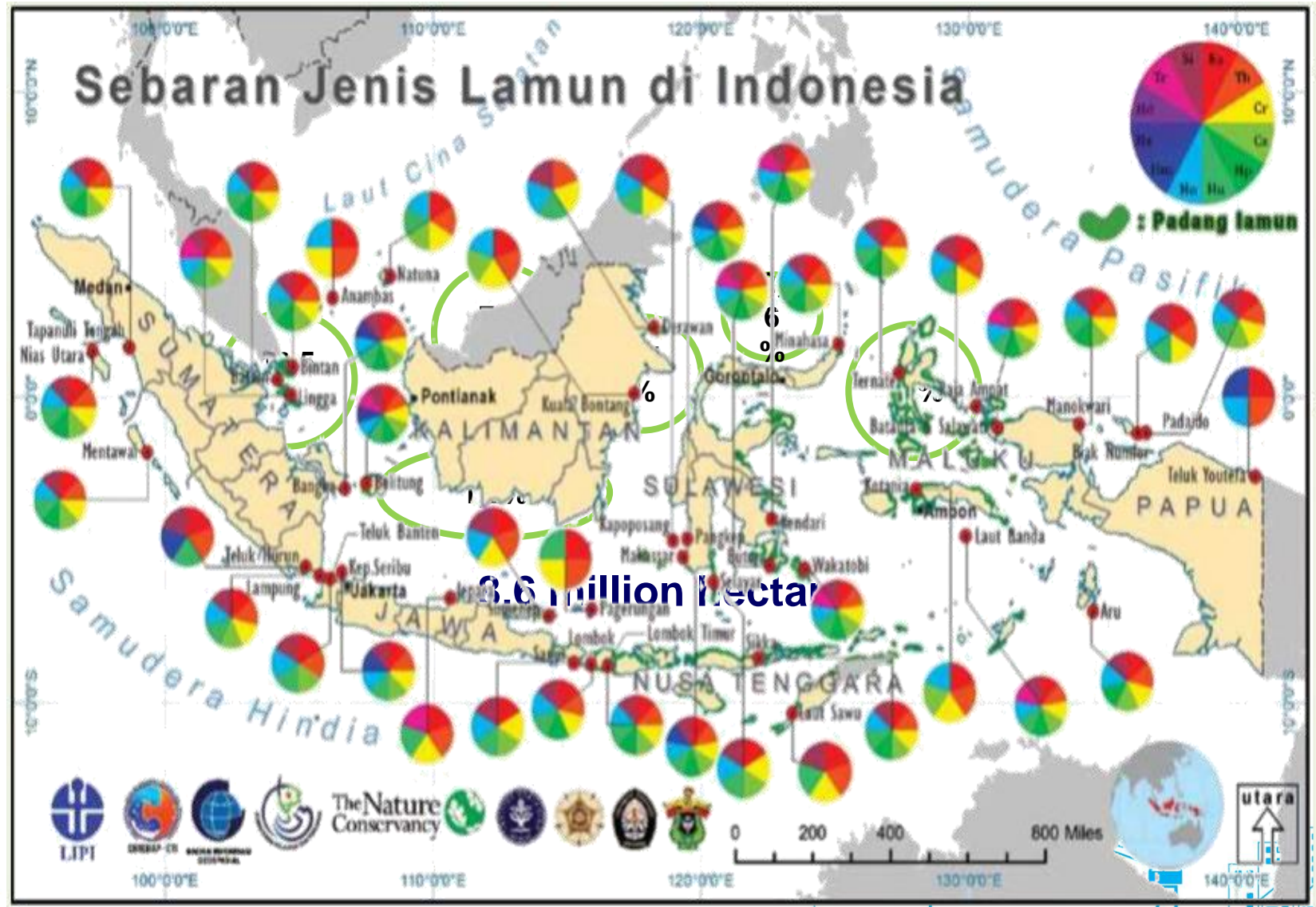
Indonesian Mangrove Distributuon (P2O LIPI, 2017)

Distribution of Indonesian Seagrass (P2O LIP, 2017)

150.693,16 hectare

Ocean health

Habitat	Valuation (US$/ha)
Mangroves	22,855.40
Seagrass	106,199.59
Coral reefs	115,698.61

Valuation of coastal and marine ecosystems	**US$411.94 B**
Marine protected areas (% of territorial waters)	**5.8%**
ICM (% of coastline)	**48.54%**

Source: Ministry of Marine Affairs and FIsheries 2017
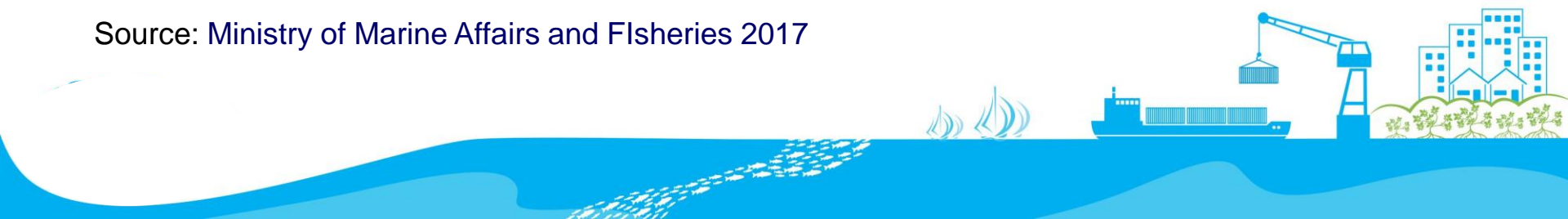
Blue economy initiatives

- **National Action Plan on Plastic Waste Management**
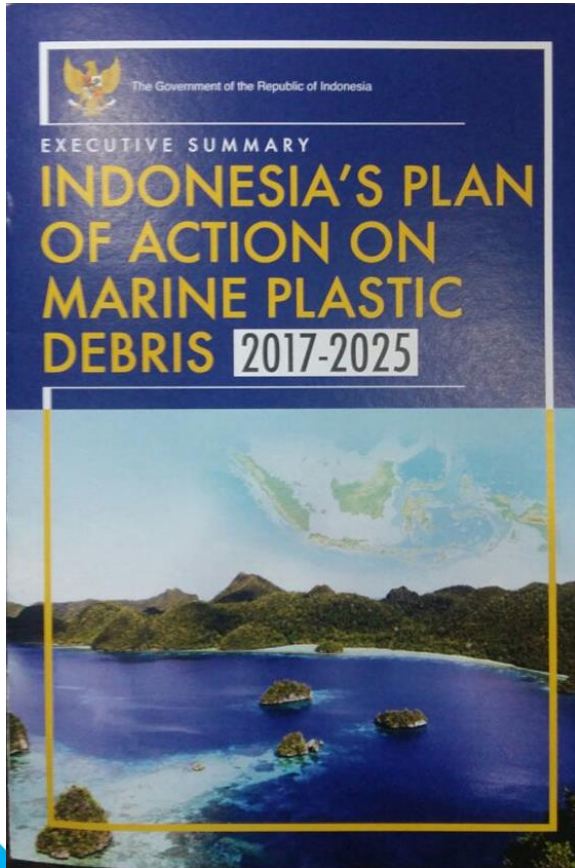
5 pillars

Improving behavior change

Reducing land-based discharges

Reducing sea-based discharges and leakage

Reducing plastic production and use

Enhancing financing mechanisms, policy reform and law enforcement

- Coordination between institutions responsible for waste management.
- Application of technology to control plastic debris
- Public awareness to reduce, recycle and reuse plastic

Blue economy initiatives

- **PROPER is an industrial monitoring program that aims to encourage industry compliance with environmental regulations.**
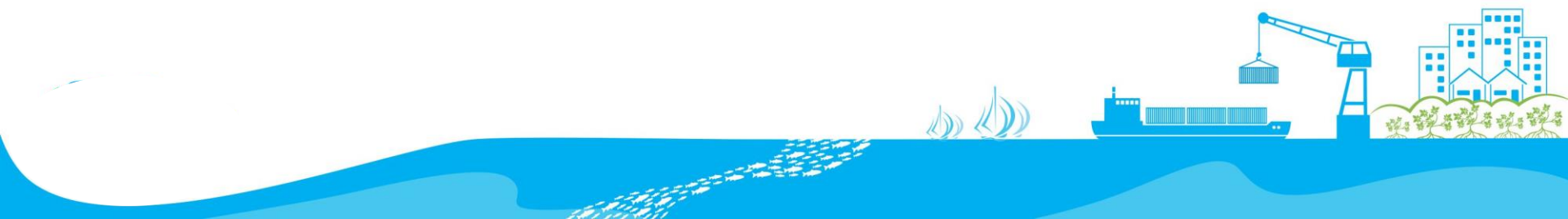

BASIC PRINCIPLES OF PROPER
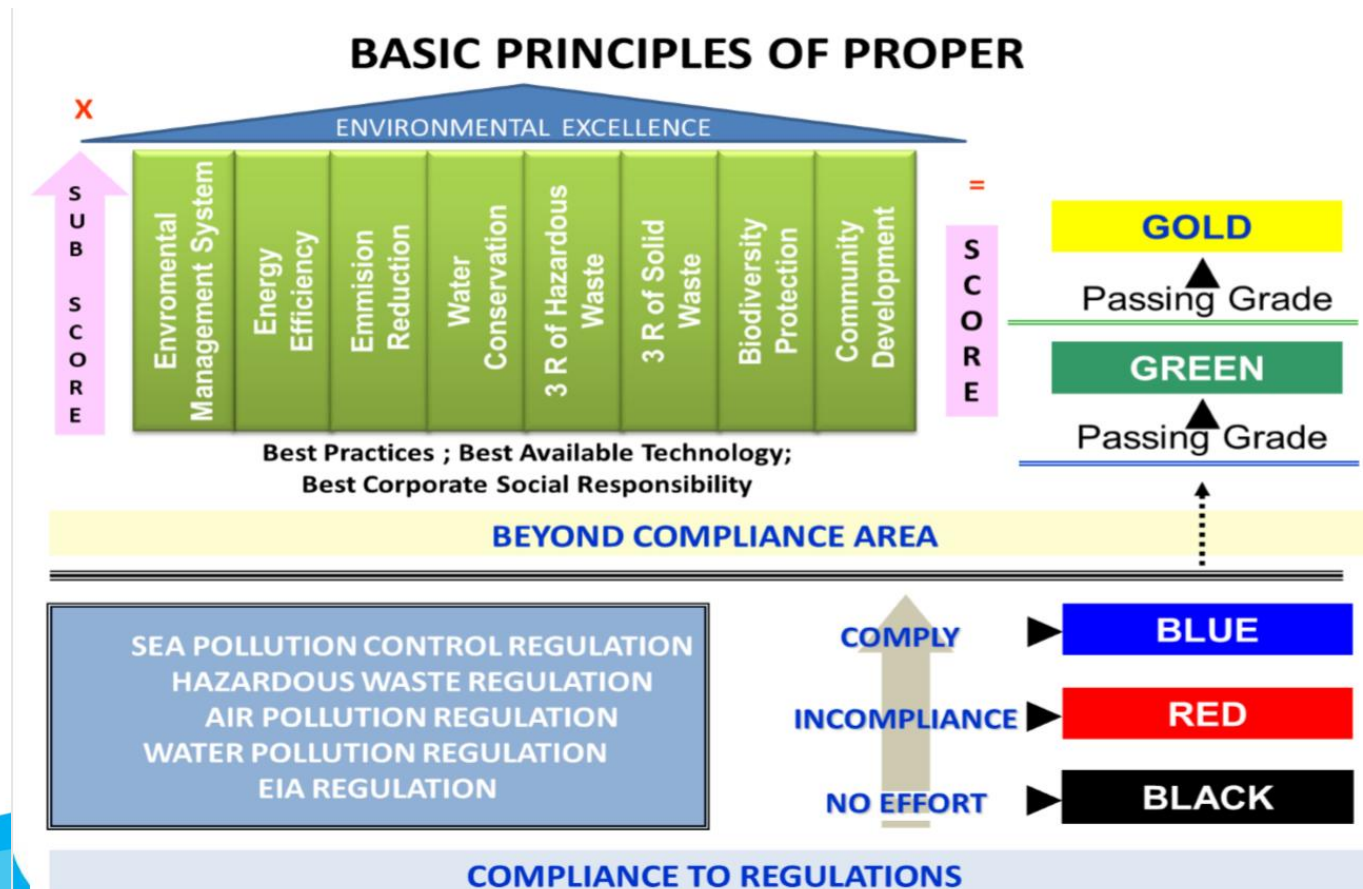
Blue economy initiatives

Minister of Environment and Forestry's Decree No. 180, Year 2014

Overall Result of PROPER 2013-2014			
BLACK	:	21	Companies
RED	:	516	Companies
BLUE	:	1224	Companies
GREEN	:	121	Companies
GOLD	:	9	Companies

Blue economy initiatives

SDGs being achieved

For SDG-14 Indonesia
IPB as Hub for National Knowledge Management Systems

FPIK/FFMS-IPB

CoE SDG-14

- Science and Research Community
- Government
- NGO/CSO
- Business Entities

Targets SDG-14

National Secretary of SDG

Recommendations

Development of Marine Economy and Blue Economy Model as Accelerator for the Realization of Indonesia as an Independent Island Country, Advanced, Strong and Based on National Interest by Blue Development of Economics Sectors of:

- **Transportation**
- **Maritime Industry**
- **Fishery**
- **Tourism**
- **Energy and Mineral**
- **Marine Services**

Recommendations

- **Protect ocean health to support sustainable blue economy:**
  - Habitat restoration and protection; biodiversity conservation
  - Wastewater management
  - Solid waste management
  - Plastic marine debris management
  - Toxic waste management
  - Oil spill prevention and response
  - Ballast water management
  - Greenhouse gas emission reduction