



GREEN ICT.

**Towards Green Economy and ICT
Sustainability**

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ASPILUKI – Indonesian Telematic Software Solution

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INDONESIA

Facts: Demography

3 time zones



17,504 islands
total area of Land: 1.890.754 km²

Population: **237,6** millions

primary forest cover: **48,7** millions ha

Not Easy To Keep It Green!!

Facts: Climate

beautiful place but High Cost on **COOLING SYSTEM**



30 °C average temp

High Power Consumption & High Carbon Emission

Facts: ICT Usage

- 211,145,429 mobile subs, 31,771,988 fixed subs
- 91 fixed network providers
- 17 mobile network providers
- 288 Services providers
- 45 mil. Internet users, 27 mil. Facebookers, 4.8 mil. Tweeter users
- 45,000 Base Transceiver Station (BTS)





.....” *In the spirit of thinking outside the box, in September this year Indonesia declared emission reduction target of **26 %** from business as usual by **2020**, and this can be increased to **41 %** with enhanced international assistance. As a non-Annex 1 country, we did NOT have to do this. But we read the stark scientific warnings of the IPCC. So we set our new reduction target, because we wanted to be part of global solution”.*

Source: President’s Speech at The UNFCCC Copenhagen, 2009

Green IT Initiative



eco-Innovation ICT Conference 8 April 2010

ASIAN Forum on Carbon Update 14-17 March 2011

Green ICT Workshop 12 July 2011

Green ICT Conference 2 November 2011

National Green IT Council Establishment



Green IT Initiative



National Council of Climate Change

Established in 2008 based on PP No. 46/2008

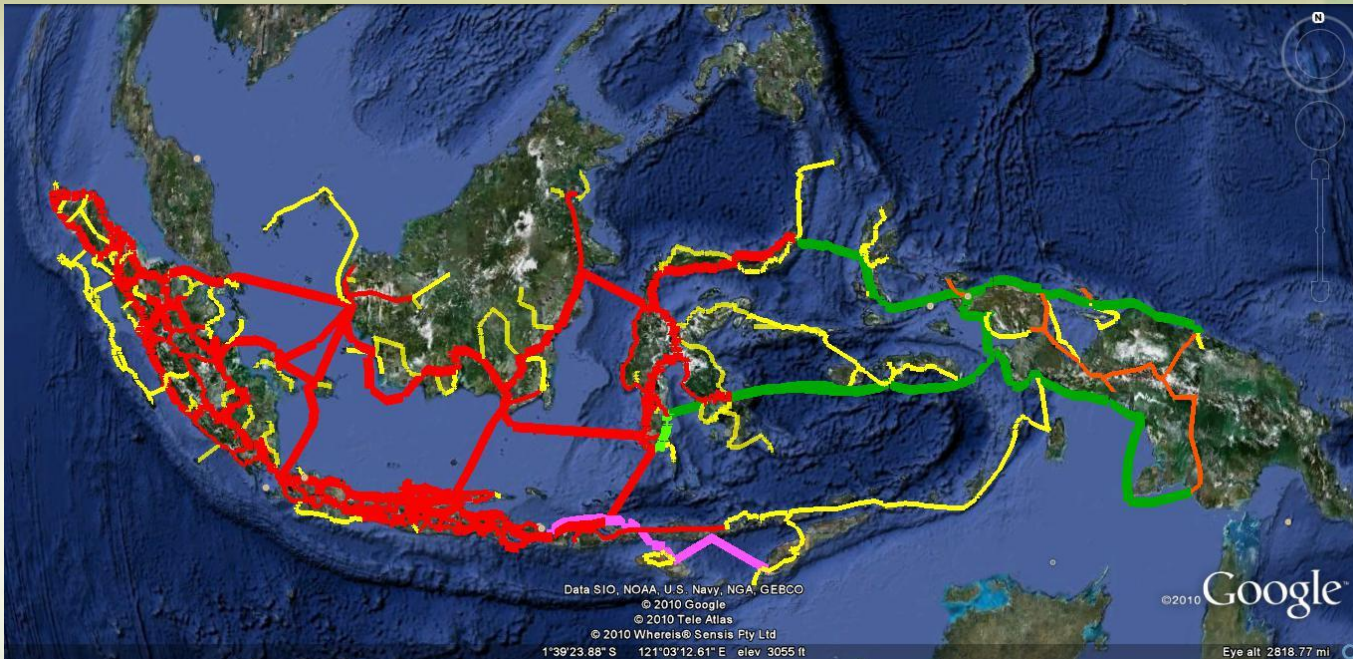
- Formulating national policies, strategies, programs and activities to control climate change
- Coordinating activities in the implementation of climate change control tasks including adaptation, mitigation, technology transfer and financing
- Formulating policies and procedures of carbon trading mechanism
- Implement monitoring and evaluation of the implementation of policies on climate change control
- Strengthen the position of Indonesia to encourage developed countries to take more responsibility in curbing climate change

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Inisiatif	IF	TP	BD	PC	CB	Remarks
Geo-Indonesia Spatial Data Network (DNPI, ESRI-Indonesia, Geo-Eye, Conservation International, Clark University)	•		•	•	•	Preparation
Indonesia-USA Comprehensive Partnership Program to Support Climate Change Center (2010-2011)	•	•	•	•	•	On-going
Green Campus and Urban Restoration (DNPI, Itenas, BKPSL, Pemda Jabar, Kota Bandung)	•		•	•	•	Initiation
Open Source Initiative on Climate Change (DNPI, OSI and Geo-spatial stakeholders)	•	•	•	•	•	On-going
Cloud Computing on Geo-Spatial Data Integration (DNPI, ESRI-Indonesia, DELL Indonesia, Hokkaido University)	•	•	•	•	•	On-going
Indonesia Carbon Update Network (ICU-Net)			•	•	•	Launched Dec.2010

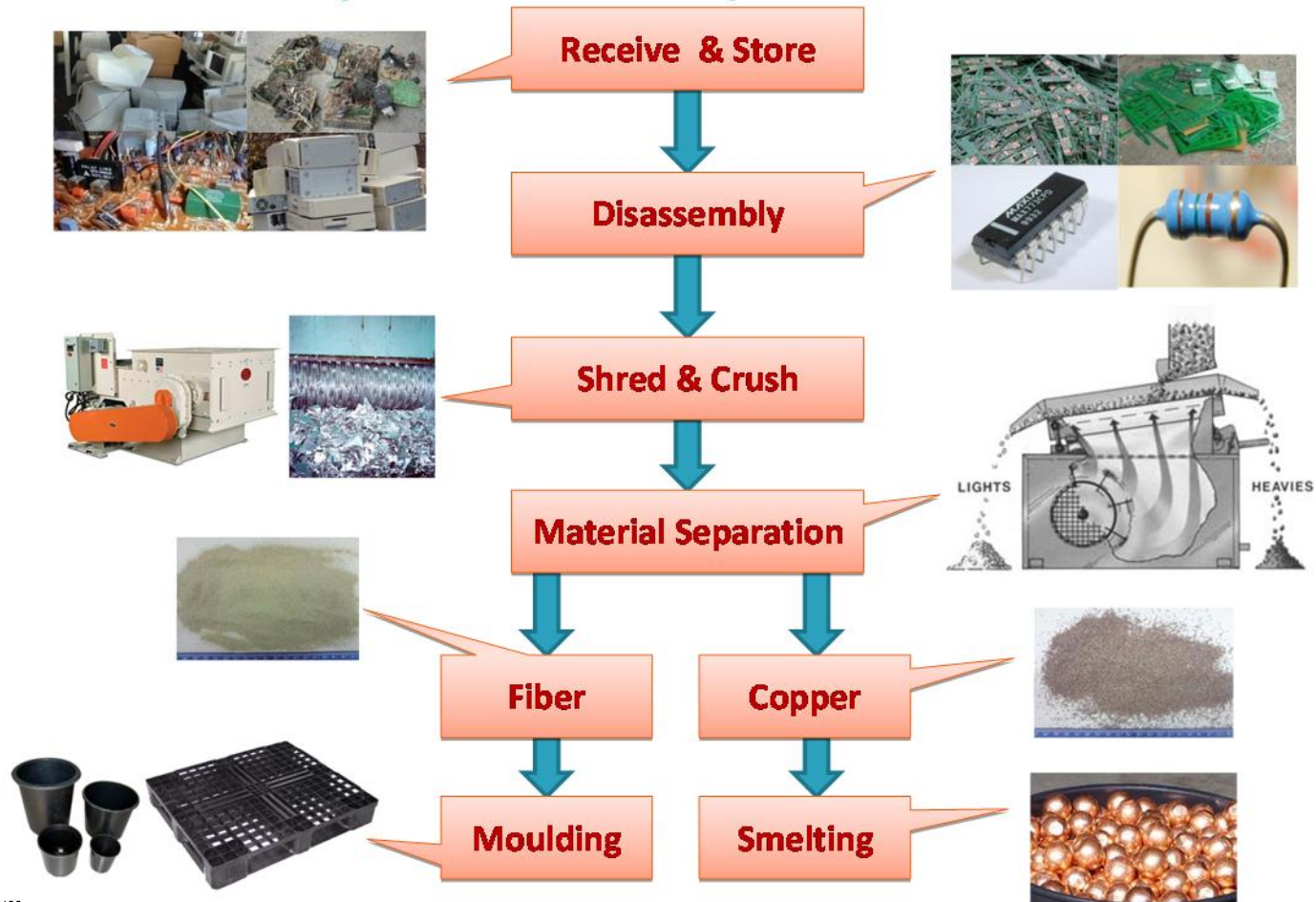
(IF- infrastruktur, TP- Technology Provision, BD- Baseline Data Creation, PC- "Proof of Concept" dan CB – Capacity Building)
 Other Initiatives (NGOs) at project scale: On-going

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- To Apply Cloud Computing
- e-Procurement since 2007 for Government and State Enterprise tender
- National Single Window (2007)
- National Single Id.number (2011)
- Palapa Ring – Fiber Optic Backbone
- National Green IT Council Formation (Nov. 2011)

Reuse, Recycle & Recovery (3R) System
ELECTRONIC WASTE P.T. TEKNOTAMA LINGKUNGAN INTERNUSA
PCB (Printed Circuit Board) Overall Flow Process





It's not just a planet

It's our home

Thank You