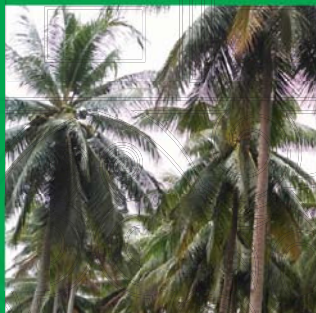


Green Growth Planning **for** **Renewable Resources**



Planning Principles



Integrative

Integration and synchronization between programs and development activities on spatial, time, budgeting and institutional through holistic, integrated, thematics, spatial (HITS) approach.



Informed

Development planning is based on scientific modeling supported by adequate and high-quality geospatial and non-spatial data and information by the planning period



Inclusive

Active involvement of related stakeholders in the process of developing and negotiating green growth scenarios

Workflow

Develop the visions, expected outcome, and indicators among stakeholders

Historical analysis:
Quantification of land use change & its effects on GHG emissions, watershed hydrological functions, biodiversity, regional economy, profits, income, and labour absorption

Develop GG scenario and determine the target within stakeholders discussion

Develop monitoring and evaluation system and roadmaps



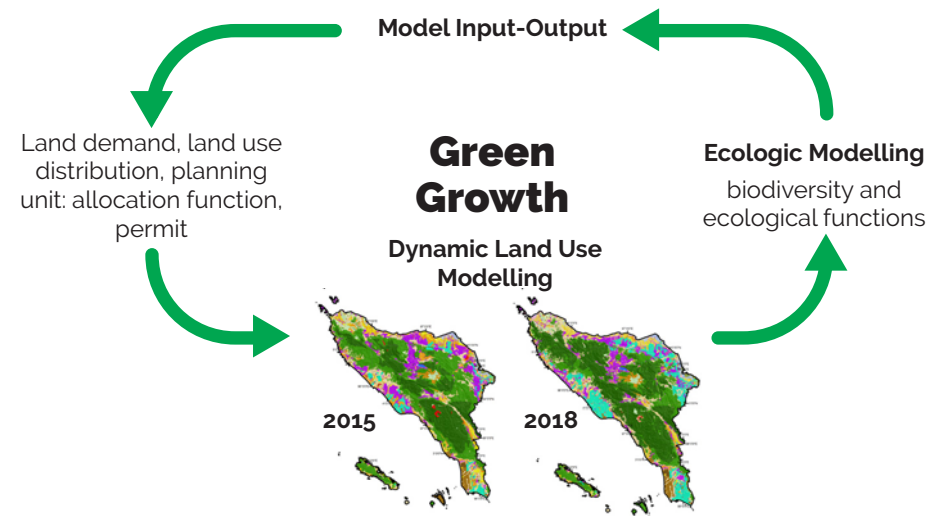
Collecting and generate data and information

Development Business As Usual scenario of (BAU) using historical and development plan approach and ex-ante impact analysis

Trade-off analysis from multiple scenario, develop roadmap and intervention map

Technical analysis

Spatial analysis, modelling ecology and economic process also projection and simulation on multiple development scenario using LUMENS (Land Use Planning for Multiple Environment Services) to measure ex-ante impact.



LUMENS Technical Analysis

- Integration of regional input-output economic models with land use dynamics models.
- Spatially explicit projections are used as a basis for calculating changes in carbon stocks (GHG emissions), watershed hydrological functions, and biodiversity
- Policy scenario simulation to produce ex-ante impact analysis

Road Map Components



Goals:

GGP goals with macro indicators



Strategy

GGP macro strategies within ideal achievements



Intervention

GGP interventions by location, indicators, achievements and role indications



Action

A list of proposed GGP activities following by a proposed type, method, and time management

Green Growth Goals

Macro Indicators



Sustainable economic growth



1. Growth rate of Gross Regional Domestic Product (GRDP)
2. Labour absorption
3. Income



Inclusive and equitable growth



1. The ratio of income and profits
2. The ratio of land tenure by community and concessions



Social, economic, and environmental resilience



1. The rate of expansion of agroforestry
2. Linkages between the land sector and other sectors
3. Benefits of farming



Healthy and productive ecosystem providing ecosystem service



1. Deforestation rate
2. The rate of expansion of tree cover
3. Sedimentation
4. Run-off/Surface flow
5. Habitat fragmentation / DIFA
6. Reducing the fire risk



Reduction of Green House Gas (GHG) Emission

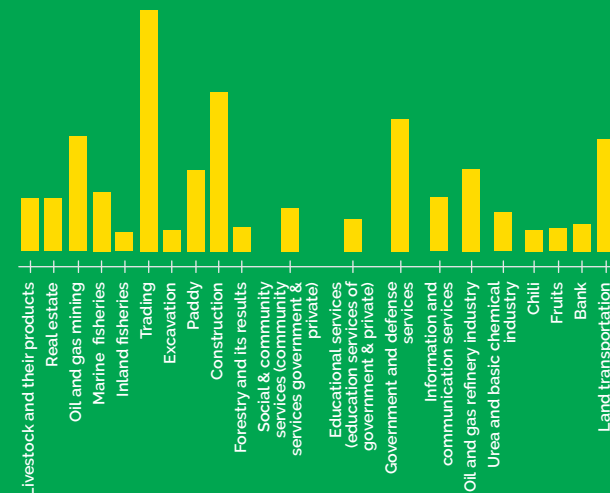


1. CO₂ emission of land use change
2. CO₂ emission of peatlands
3. Emission Intensity

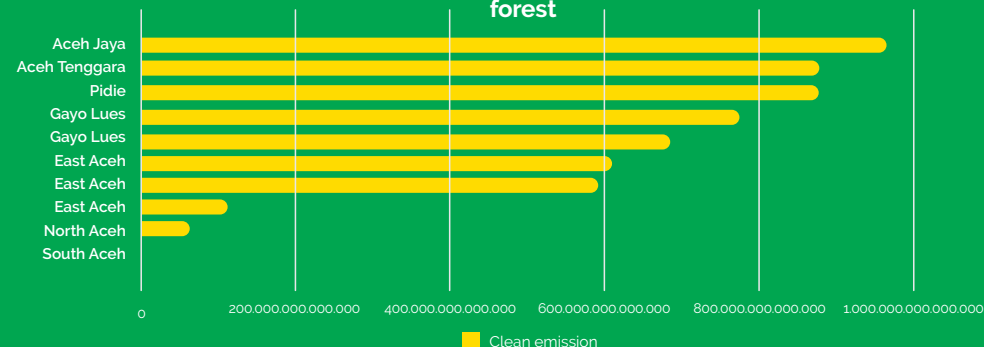
Historic Data of Economic and Environment

Green Growth Plan is expected to make Aceh's economic projections continue to grow, green and sustainable.

20 highest sector contributor for GRDP



District of the biggest emission contributor in 2000-2010
Most of land use change come from primary forest to secondary forest

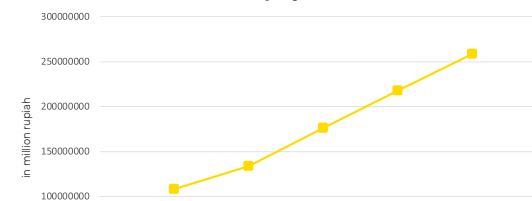


Projection Map Business as Usual



Example of green growth indicators

GRDP projection 2010-2050



2020

2050



Intervention of Green Growth Plan:

- Land allocation and planning that address land demand and land supply, taking into account protection area and land suitability
- Allocation of access of forest use (*pinjam pakai*) as sources of livelihood
- Restoration of ex-mining sites
- Expansion of coffee plantation
- Micro-zonation of Plantation for production, protection and, livelihood crops
- Moratorium of oil palm expansion on peat lands
- Rubber revitalization
- Planning for restoration area

Visual Hardware



Visualization

Collection, compilation, and presentation of data & information on green economy strategies



Take action

Prioritizing interventions and activities in line with the Green Growth Road map

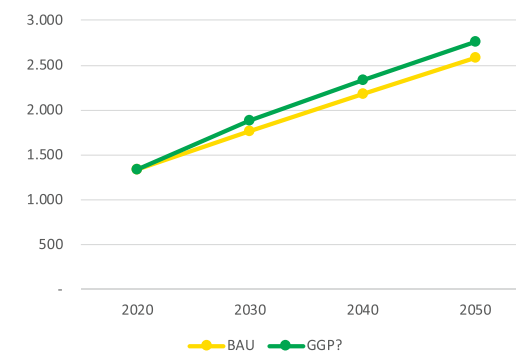


Question answered

Get answers on what, where, how and impact of the Green Growth scenario

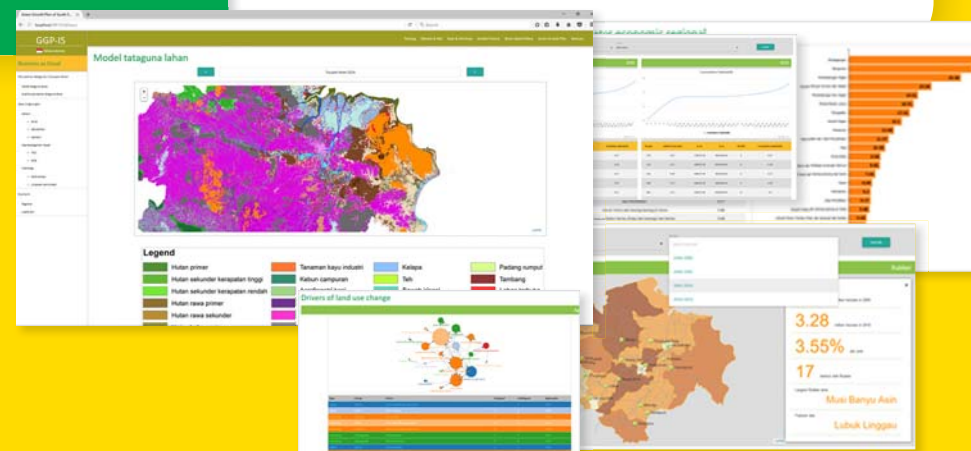
Impact on land-based sector GRDP

An increase in GRDP at least 7% is expected to grow if the GG scenario formulated, compared to the Business as usual (BAU) scenario in 2050.



Impacts to land based GHG emission

29% GHG emission reduction is expected whenever the GG scenario implemented, compared to the Business as usual (BAU) scenario in 2050



Multiple existing action plan:



Mainstreaming of GG in Policy/Regulation

- Governor regulation no 85 year 2012 about Regional Action Plan for GreenHouse Gas (GHG)
- Governor regulation no 3 year 2014 about Strategy and Action Plan on Reducing Green House Gas from Deforestation and Degraded Aceh Forest
- Qanun no 2 year 2011 about Environment Rio Branco Declaration year 2014 as Aceh commitment for preventing deforestation (80%) until 2020



Capacity Strengthening in institutional, technical, and implementing

- To support green economic development activities, it is necessary to increase the capacity of human resources, starting from the technical, institutional position, and its application.



Roadmap and Implementation plan for green growth in:

- Green Partnership and Investment Monitoring & Evaluation: Integration with Sustainable Development Goals (SDGs) indicators
- Budget Allocation for government program in the context HITS (holistic, integrative, thematic, and spatial based)

Coverage area of Green Growth Planning in Indonesia



Green Growth Plan in Aceh is an initiative organized by Aceh Planning and Development Agency supported by World Agroforestry (ICRAF), Hutan Alam dan Lingkungan (HAKA), and IDH-Green Trade Initiative.



yayasan inisiatif
dagang hijau

