

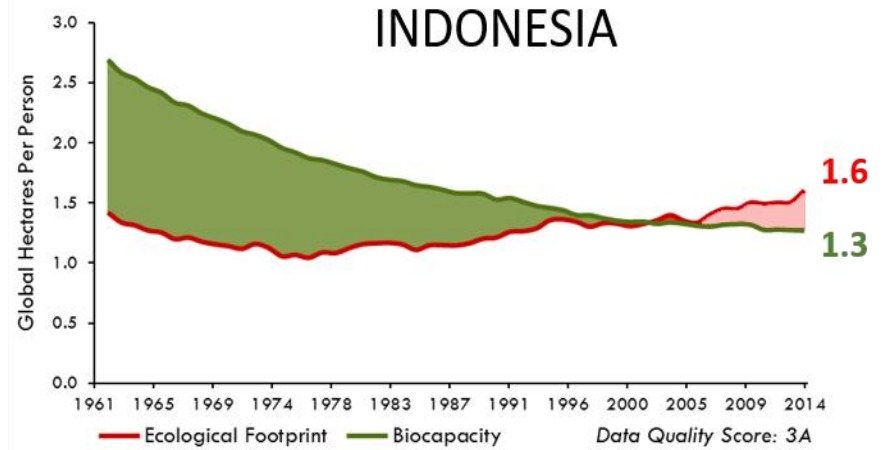
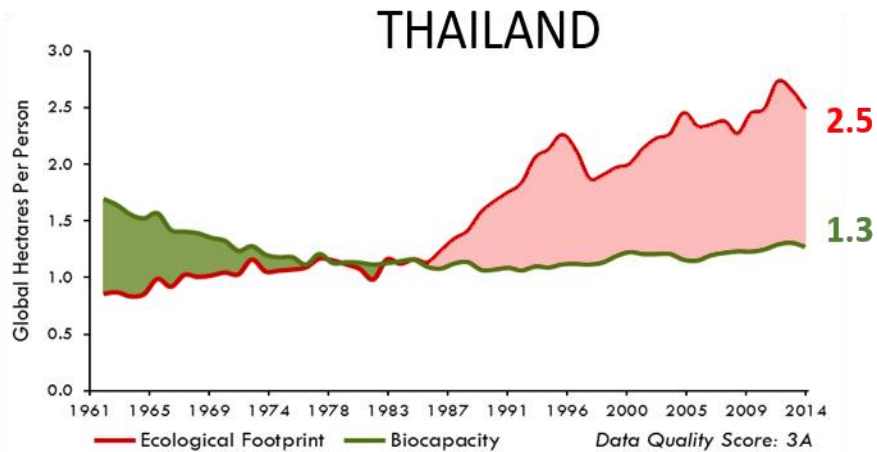
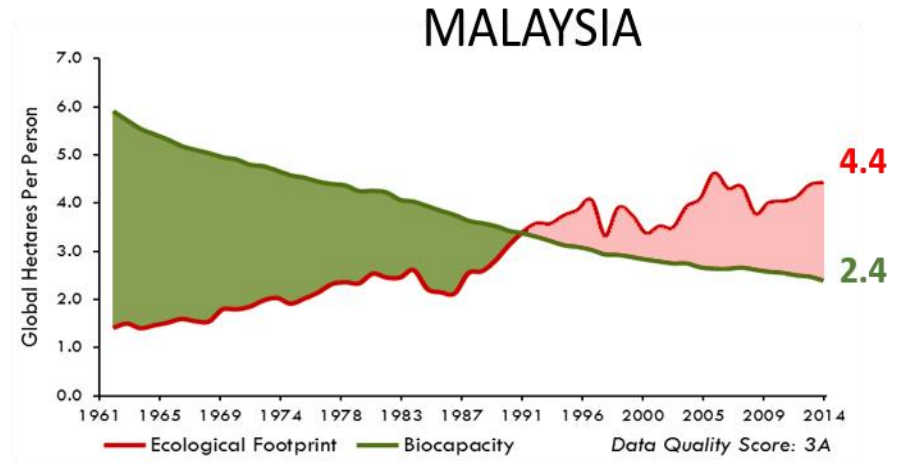
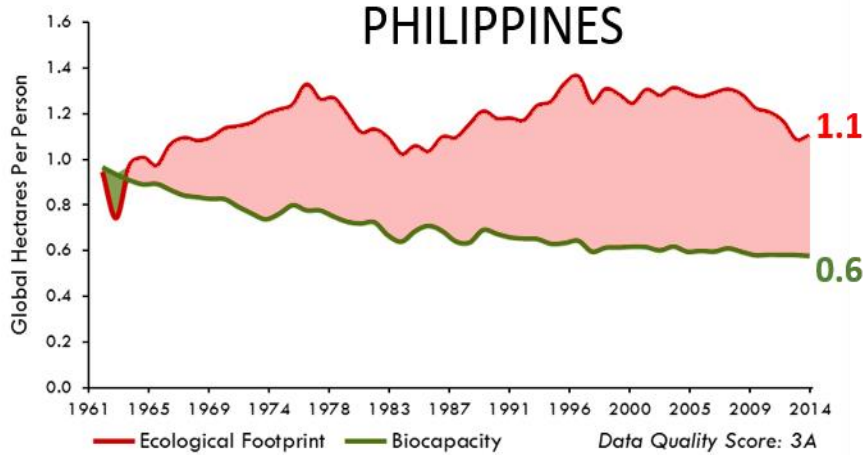
futureearth

Research for global sustainability

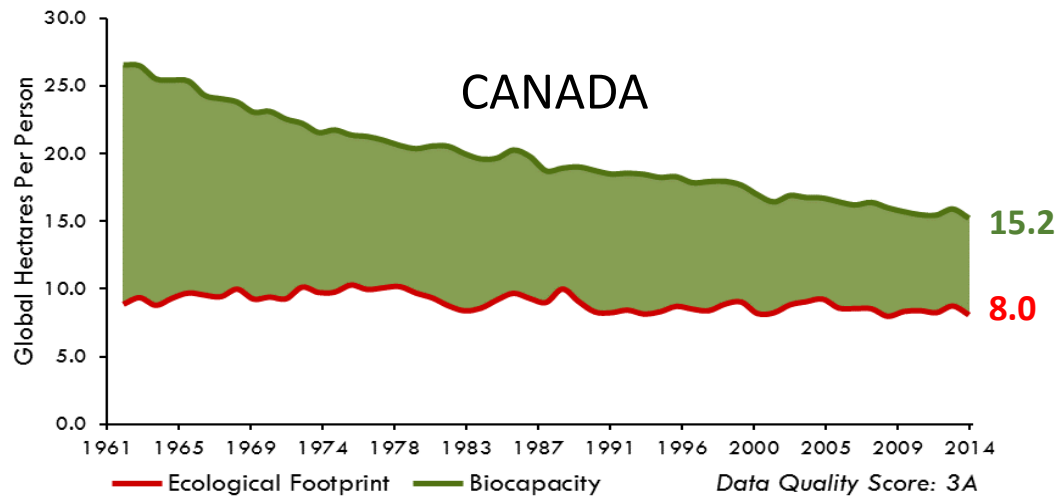
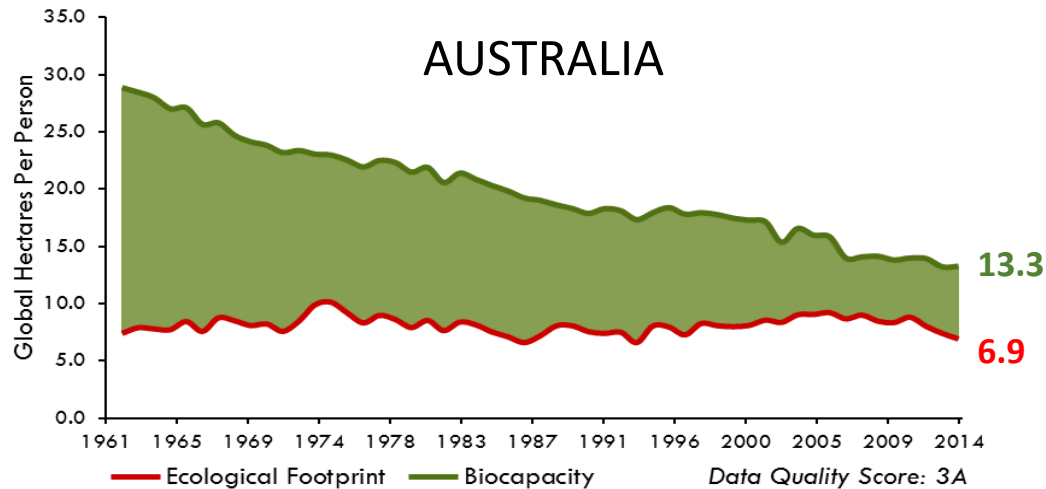
Future Earth Philippines Program (FEPP)

Why worry about Philippine sustainability?

Countries with Biocapacity Deficit



Some countries with Biocapacity Credit/Reserve



ECOLOGICAL FOOTPRINT

Philippines, the world's 3rd worst plastic polluter, next only to Indonesia & China

**Manila Bay Coliform Level
35M & 7.9M mpn at 2 stations
Safe level, 100 mpn (DOH)**



**Red tide affects eight areas across the country
including coastal waters of Pampanga & Bataan**

PDI, 5 Feb 2019

**PHL, 3rd highest death rate
due to outdoor pollution &
2nd due to indoor pollution
in AP Region -WHO**



**Pollution caused by
unsustainable mining &
unsustainable agriculture**



BIOCAPACITY LOSS



Deforestation

Photo from Rappler



Mangrove Destruction

www.abc.net.au



**Destruction of
coral reefs**

Photo from Greenpeace PHL

DESTRUCTIVE NATURAL HAZARDS



Typhoon Yolanda, 2013
AP Photo/Aaron Favila



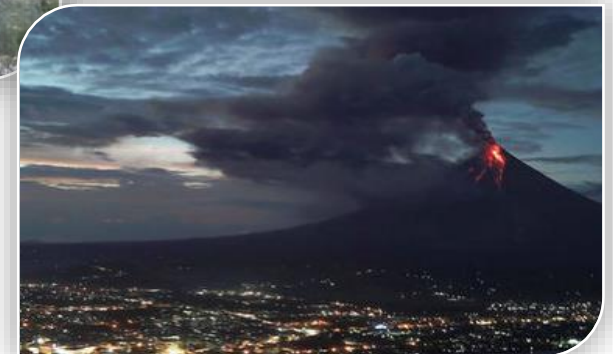
Typhoon Lawin, 2016
rappler.com



**2018 Typhoon Ompong,
Itogon Landslide**
rappler.com



2013 Bohol Earthquake
malayonline.com



Mayon Eruption 2018
express.co.uk



OBJECTIVES

Objective:

To establish a Future Earth Philippines Program (FEPP) that will :

- Provide scientific & social basis for policies; and
- Improve citizen action & stakeholder participation in effort to attain Philippine sustainability

OUTPUTS

SCIENCE-BASED POLICY
RECOMMENDATIONS TO
LGUs & NGAs

SCIENCE-BASED ADVICE TO
INDUSTRY / MSMEs &
COMMUNITIES

FEPP EDUCATIONAL &
COMMUNICATION
MATERIALS

FEPP DIGITAL HUB

FEPP ROADMAP

SCIENTIFIC PUBLICATIONS

SCENARIO ANALYSIS &
MATHEMATICAL MODELS

TRAINED RESEARCH
PERSONNEL, YOUNG
SCIENTISTS & COMMUNITIES

ORGANIZED KNOWLEDGE
ACTION PROGRAMS

ORGANIZED RESEARCH
TEAMS

OUTCOMES

IMPROVED GOVERNMENT
POLICIES CONTRIBUTING TO
SUSTAINABLE DEVELOPMENT

INCREASED ADOPTION OF
GREEN TECHNOLOGIES BY
INDUSTRY, MSMEs, &
COMMUNITIES

INCREASED PUBLIC
AWARENESS & CONCERN FOR
SUSTAINABILITY

IMPROVEMENT OF OVERALL
CAPACITY TO ATTAIN SDGs

INCREASED
TRANSDISCIPLINARY
COLLABORATION AMONG
KNOWLEDGE WORKERS

IMPROVED/ENHANCED
SOCIAL MOBILIZATION SKILLS

MORE PROACTIVE AND AGILE
RESPONSE TO HAZARDS &
DISASTERS

GREATER CAPABILITY IN
SUSTAINABILITY RESEARCH

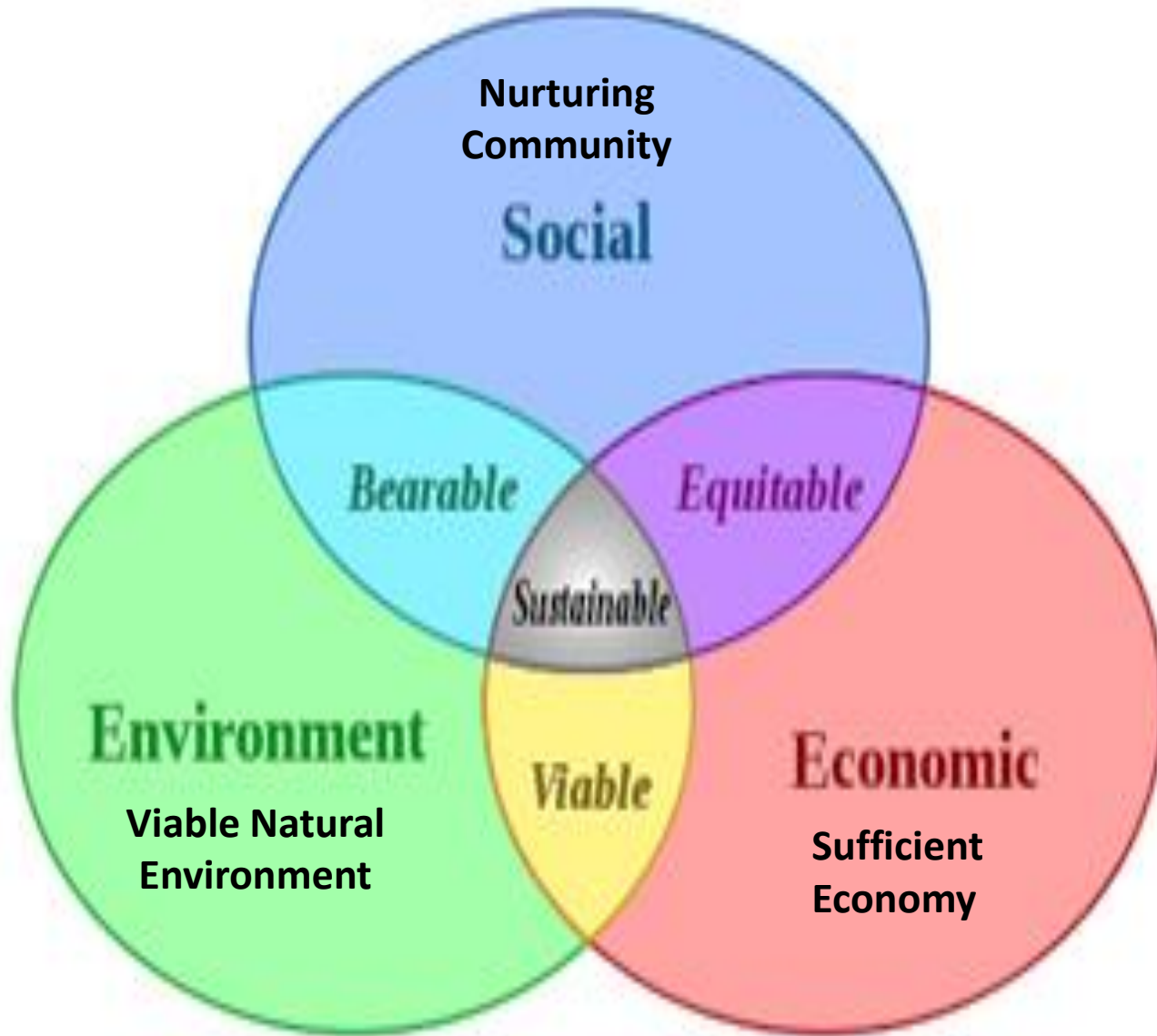
IMPACTS

SDGs



AMBISYON NATIN 2040

UN'S 3 PILLARS OF SUSTAINABLE DEVELOPMENT



Approach is transdisciplinary and inclusive

FEPP Workshop 6-7 October 2018



DEVELOPING PARTNERSHIPS & CITIZEN SCIENCE FOR BIORESOURCE CONSERVATION & SUSTAINABLE LIVELIHOOD OF INDIGENOUS PEOPLES

Philippine Red Cross Logistics and Training Center,
Subic Bay Freeport Zone

06-07 OCTOBER 2018



INDIGENOUS COMMUNITIES AS STEWARDS OF OUR NATURAL RESOURCES



FEPP Workshop 9-10 November, 2018

ASSESSMENT OF PHILIPPINE SUSTAINABILITY & SCOPING WORKSHOP



PROGRAM
The Hotel Jen Manila
9-10 November 2018



**OPEN DATA
& DRR**

**LAND SYSTEM
CHANGE**

**HEALTH
ECOSYSTEM**

BLUE CARBON

**CORAL
REEFS**

**URBAN
SUSTAINABILITY**

**SUSTAINABLE
AGRICULTURE**

CLIMATE CHANGE

UNDP'S BIOFIN

**HARMFUL
ALGAL BLOOMS**

**WATER
RESOURCES**

**INDIGENOUS
PEOPLES' ROLE**

LAUNCHING

19 Nov 2018

Shown on TV, 20 Nov

futureearth PHILIPPINES



205 participants from 10 countries



Post Launching Activities

- Continuing Gap & Overlap Analysis
- Proposal development on Philippine Knowledge Action Programs (PKAPS)
- Harmonization Workshop
- Development of digital Hub
- Road Mapping /sustainability of program beyond project period
- Strategic communication, capacity building & education on sustainability science & practices
- Science-based policy recommendations

MAIN CHALLENGES

INCLUSIVITY & AGILITY



Let us collaborate and work together
for sustainability & survival of the
Philippines, Asia and the Earth.



LOOKING FORWARD TO A SUSTAINABLE PHILIPPINES