



FOREST LANDSCAPE RESTORATION & REVIVAL OF FORESTRY INDUSTRY IN THE PHILIPPINES - ACHIEVEMENTS & CHALLENGES OF THE NATIONAL GREENING PROGRAM (NGP)

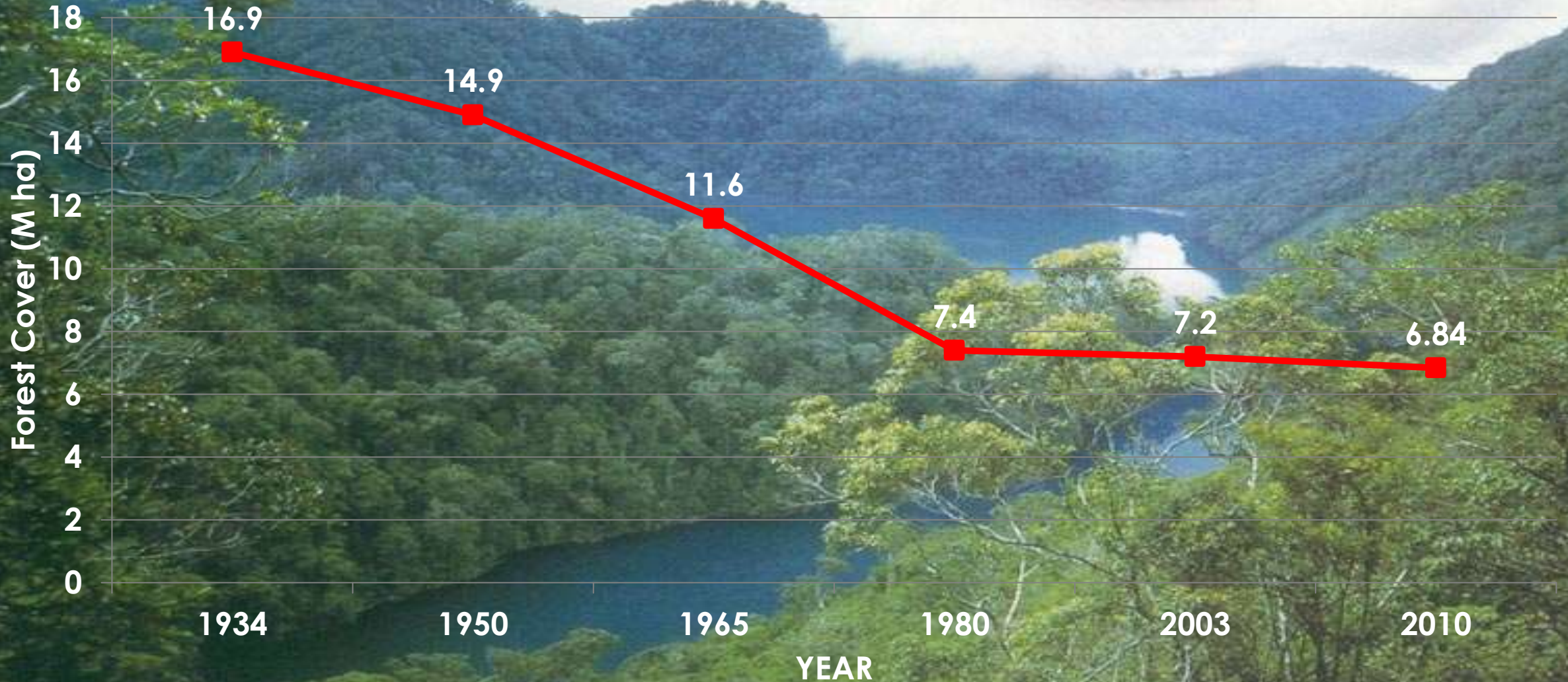
RICARDO L. CALDERON

Director, Forest Management Bureau
Concurrent, National Coordinator, NGP

Department of Environment and Natural Resources

Partner Event on Forest Landscape Restoration (Stream 5), Asia-Pacific Forestry Week 2016,
February 24, 2016, Molave Hall, Holiday Inn Hotel, Mimosa Leisure Estate, Clark Freeport Zone

Forest cover trends in the Philippines



□ Forest cover decreased by 328,682 ha i.e. from 7,168,400 ha in 2003 to 6,839,718 ha in 2010 or an ANNUAL FOREST COVER LOSS of 46,954 ha.

NATIONAL GREENING PROGRAM

EXECUTIVE ORDER NO. 26; 2011

2011



President Aquino planting a Narra Tree during the NGP launching in 2011

2016



Narra Tree planted by President Aquino in 2011



NATIONAL GREENING PROGRAM

EXECUTIVE ORDER NO. 26

- Plant 1.5 billion seedlings in 1.5 million hectares of lands for a period of six years (2011 to 2016)

BEFORE



AFTER



Brgy. Banban, Ayungon, Negros Oriental
(*Mangium Plantation*)

NATIONAL GREENING PROGRAM



Objectives:

- Poverty reduction
- Food security
- Biodiversity conservation
- Climate Change Adaptation/
Mitigation



NATIONAL GREENING PROGRAM



YEAR	AREA PLANTED (hectare)	SEEDLINGS PLANTED
2011	128,558	89,624,121
2012	221,763	125,596,730
2013	333,160	182,548,862
2014	334,302	205,414,639
2015	334,364	313,582,339
Total	1,352,147	916,766,691



Brgy. Banacon, Getafe, Bohol
(Mangrove Plantation)



Brgy. Banban, Ayungon, Negros Oriental
(Mangium Plantation)

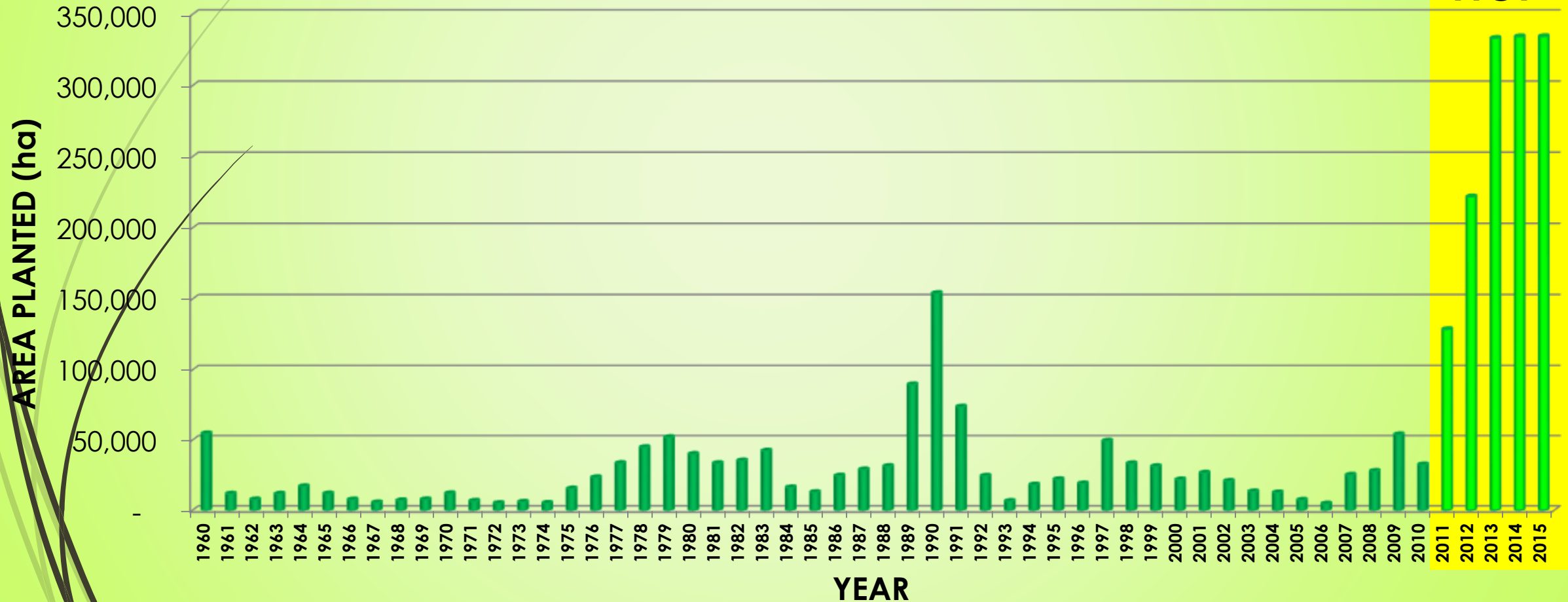


DENR Mechanized Forest Nursery
Bislig, Surigao del Sur

NATIONAL GREENING PROGRAM

ANNUAL REFORESTATION DATA (1960-2015)

- NGP accomplishment is almost equal to the reforestation effort for the past 50 years (1960-2010)



NATIONAL GREENING PROGRAM

2016 TARGET

Area to be Planted - 246,524 hectares

Seedlings to be Planted – 415,464,409 seedlings



NATIONAL GREENING PROGRAM

Performance Indicator	2011	2012	2013	2014	2015	Total
Jobs generated (no.)	335,078	380,696	466,990	1,079,792	795,628	3,058,184
Persons employed	47,868	55,146	65,198	152,008	112,288	432,508



Bagging soil in Mt. Malindang, Misamis Occidental



Nursery operations in Banban Ayungon, Negros Oriental

NATIONAL GREENING PROGRAM

Fruit Bearing Trees



Coffee farming



Pascual, Ubay, Bohol

05/22/2014



N 697303 858965
accuracy: 8m



Altitude
875 m

240

W

02/23/2014
9:17 AM

Cacao farming



9b

7°2'3"N, 122°1'15"E
accuracy: 6m

9c



2012 Rubber Plantation
Baluno, Zamboanga City
Area: 232 hectares

Rubber Tree Plantation

14°35'28"N, 120°28'44"E
accuracy: 8m



07/11/2015 Altitude
12:15 AM 162 m

17°14'7"N, 121°40'16"E
accuracy: 4m



09/18/2013
10:26 AM

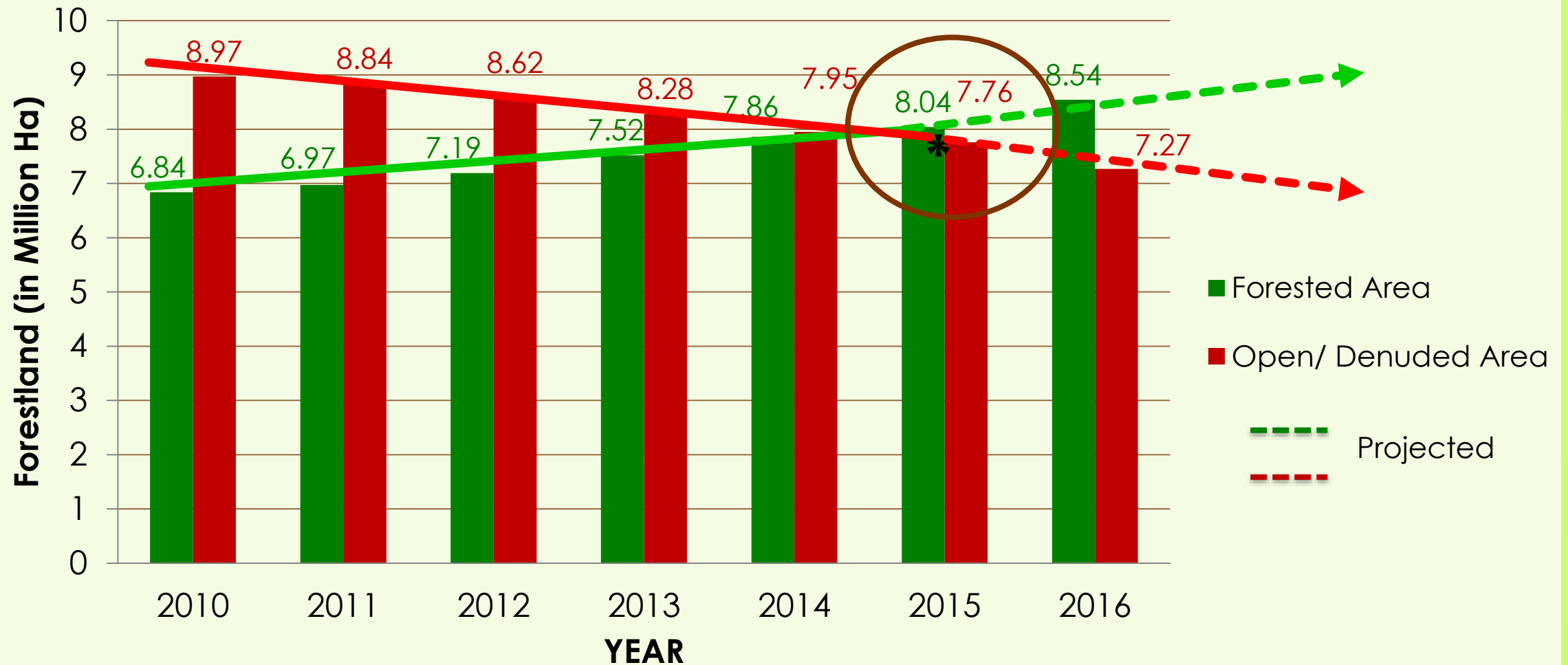
Indigenous Tree Species

CONVERGENCE INITIATIVE



National Greening Program

VEGETATED AREA VS DENUDED AREA



REVERSION OF FOREST COVER: MORE FORESTED AREAS THAN DENUDED FORESTLANDS



Global Forest Resources Assessment 2015

How are the world's forests changing?

Countries reporting the greatest annual forest area gain (2010-2015)

No.	COUNTRY	ANNUAL FOREST AREA GAIN	
		AREA (‘000 has)	% of 2010 forest area
1	China	1,542	0.8
2	Australia	308	0.2
3	Chile	301	1.9
4	USA	275	0.1
5	Philippines	240	3.5
6	Gabon	200	0.9
7	Lao PDR	189	1.1
8	India	178	0.3
9	Viet Nam	129	0.9
10	France	113	0.7

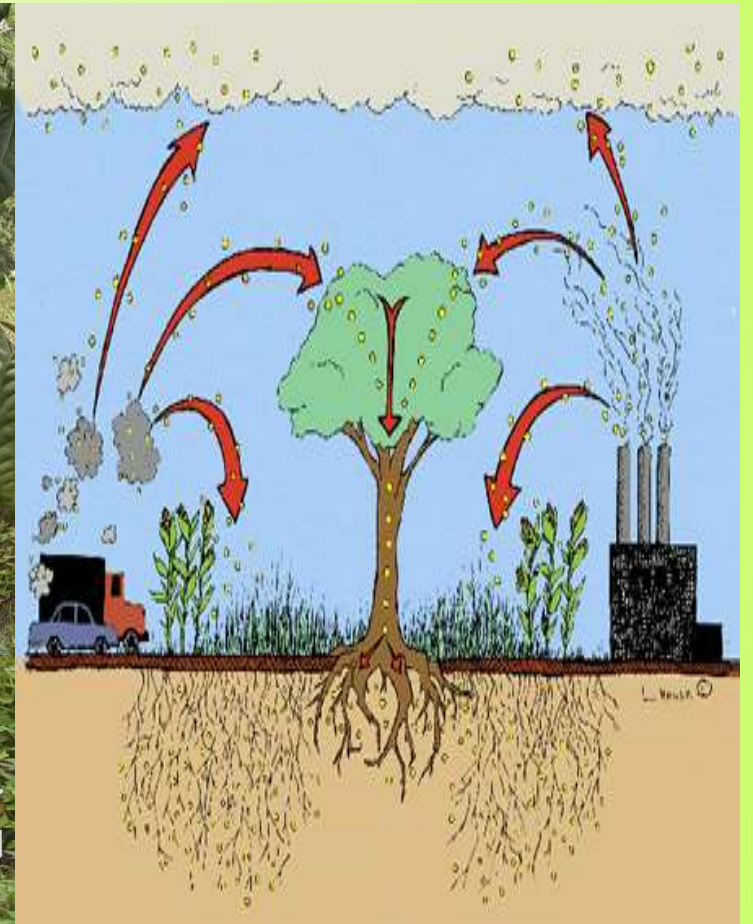
PARTNERS



INTENSIFIED FOREST PROTECTION (E.O. No. 23)

NGP

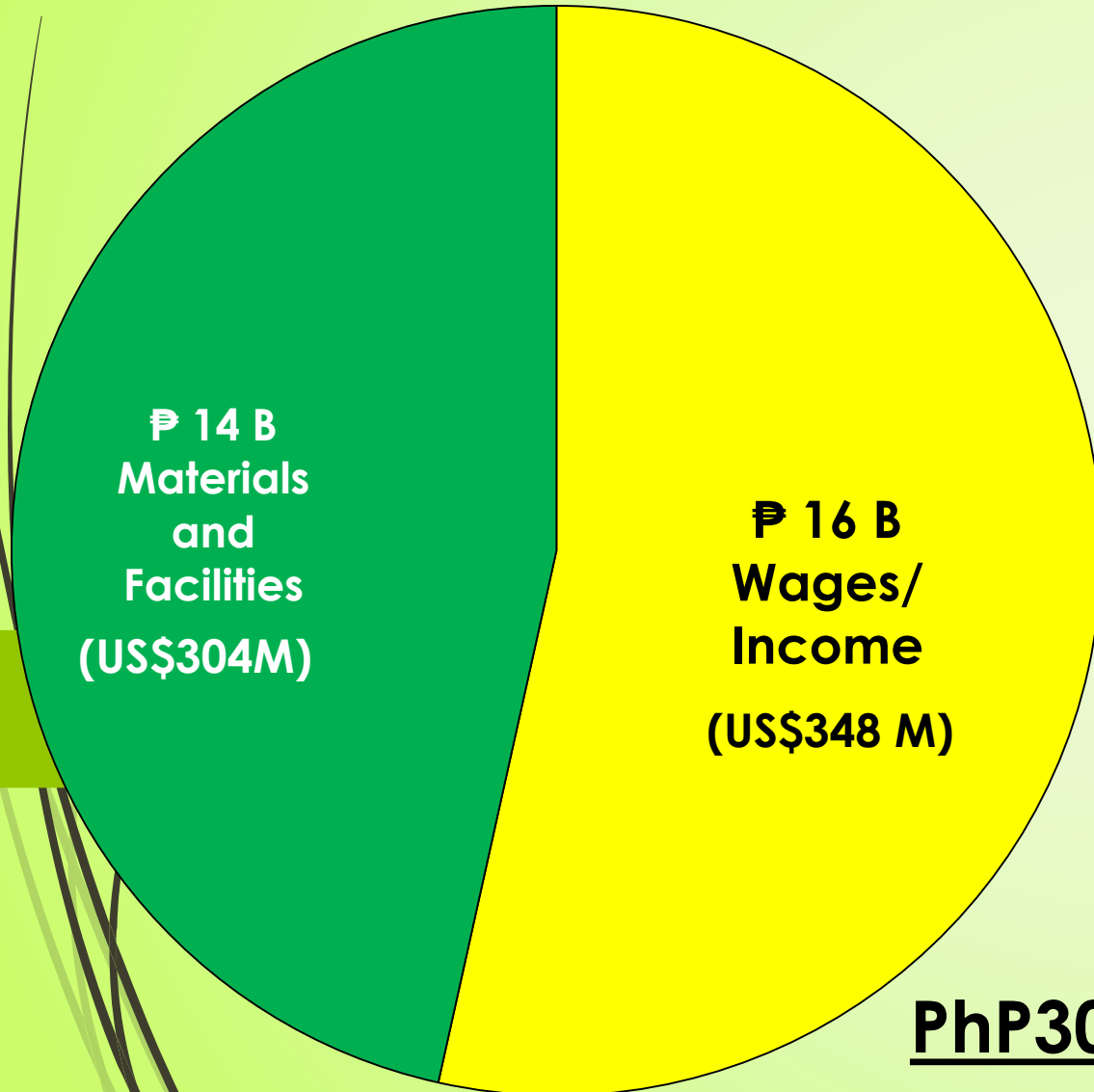
NATIONAL GREENING PROGRAM



- Absorbs 38 Million tons of Carbon per year

NATIONAL GREENING PROGRAM

VEHICLE FOR INCLUSIVE GROWTH IN THE UPLAND & RURAL AREAS



- More than half of the National Greening Program budget of PhP30 Billion (US\$652) will directly benefit upland/rural communities

PhP30 Billion (US\$652 Million) Investment

NATIONAL GREENING PROGRAM

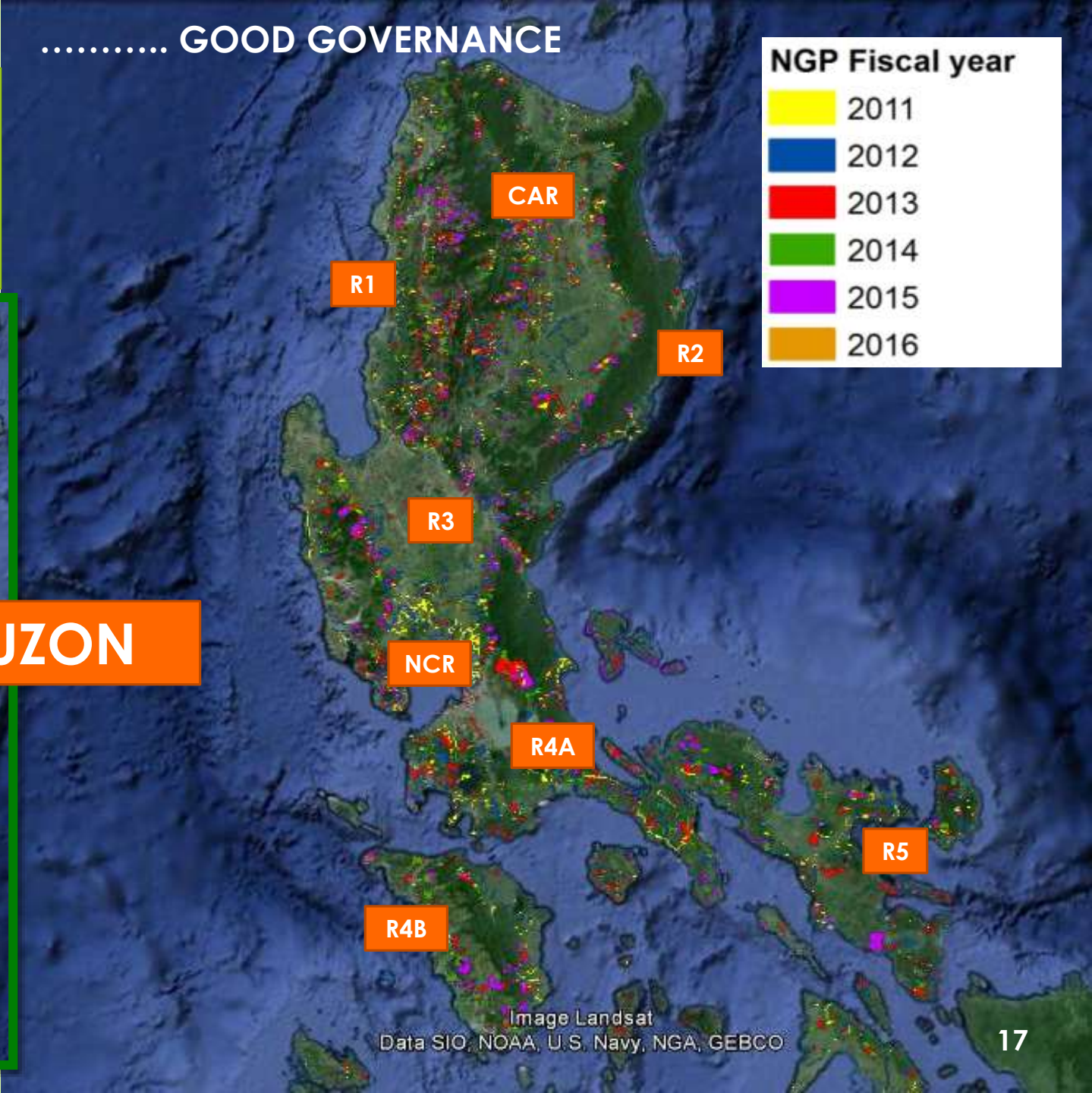
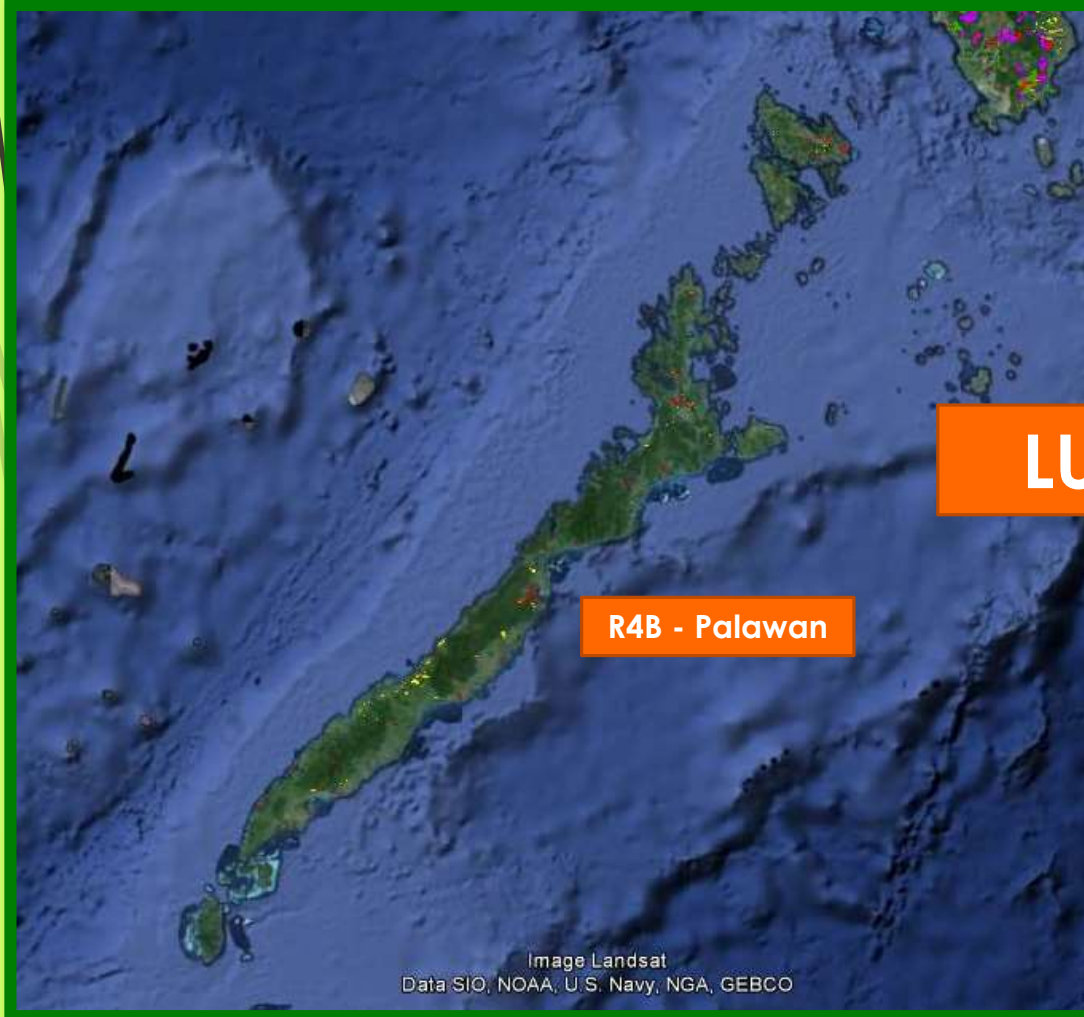
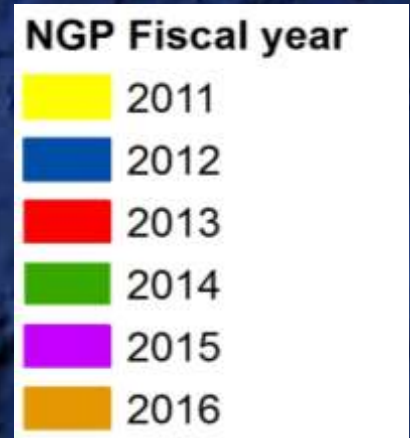
GOOD GOVERNANCE STANDARDS

- Community-Based

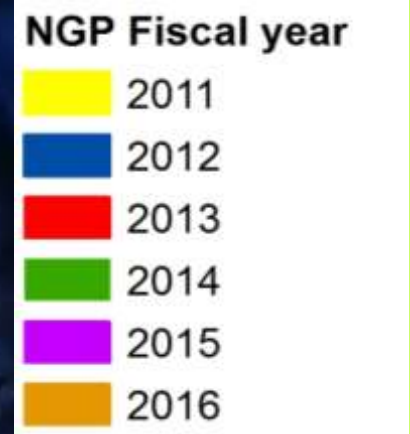


..... GOOD GOVERNANCE

- GIS/GPS Mapping and Site Validation of NGP target area



VISAYAS



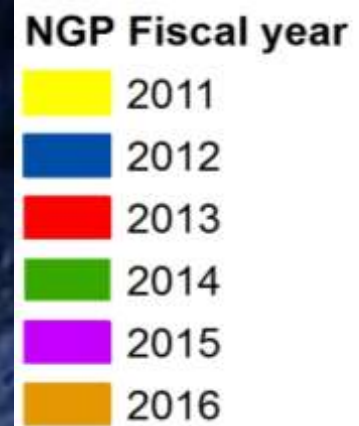
R6

R8

R7

Image Landsat
Data SIO, NOAA, U.S. Navy, NGA, GEBCO

MINDANAO



R9

R10

R13

R11

R12

Image Landsat
Data SIO, NOAA, U.S. Navy, NGA, GEBCO

All program sites are geo-tagged



Geo-tagged photo taken using GEOCAM

12-071243-2364-002.txt 789236895.jpg 1221312313.png 7678264782.png 09099889797.png 9780970708347503278.png

12-071243-2364-0002.txt - Notepad

```
File Edit Format View Help
NGP Site Code : 12-071243-2364-0002
Name of PO : Ubay Federated Tree Planters Association Inc.
Location : San Pascual, Ubay, Bohol
PO President : Bernardita Albarando
Year Established : 2012
Area Planted : 1.5 hectares
Commodity : Coffee
Species : Coffe Robusta
Survival Rate : 86%
Extension Officer : Melchora Esagre
Project In-charge : Filadelfo M. Jumawid
GPS Coordinates : E:658565; N-1098969
```


- Map coding of all NGP Sites in accordance to PSGC accessible through the NGP Website (www.ngp.denr.gov.ph)

NGP CODE FORMAT




CODE	CODE NAME	DESCRIPTION
YY	Year	code based on the last two digit numbers of the year when the NGP plantation was established
RRPPCC	Responsible DENR Field Office	code based on the <u>Philippine Standard Geographic Code (PSGC)*</u> for each DENR Field Office responsible for the site
NNNN	Planting Site Number	code based on assigned numeral by continuously numbering all NGP Plantation Sites established for the specific year per Region
AAAA	Area	code based on the area of the NGP Planting Site in hectares rounded off to the nearest ones

Submission of Certificates of Site Development

Year	No. of Site
2011	13,727
2012	21,674
2013	28,404
2014	5,698
2015	*3,655
TOTAL	73,158

* for submission this year 2015



Region _____

**National Greening Program
Certificate of Development**
Site Code No.: _____

It is hereby certified that the NGP Site located at barangay _____, municipality of _____, province of _____, covering a total of _____ hectares, and with geographic coordinates as reflected in geo-tagged photos shown herein, has been established and developed in partnership with (name of organization/tenure holder) since (year).

It is further certified that the site which has been planted with _____ seedlings of (specify species), registered a survival rate of _____% as of _____, 2015.

Affixed our signature:

CENRO CENRO Coordinator

PENRO/ PASU PENRO Coordinator


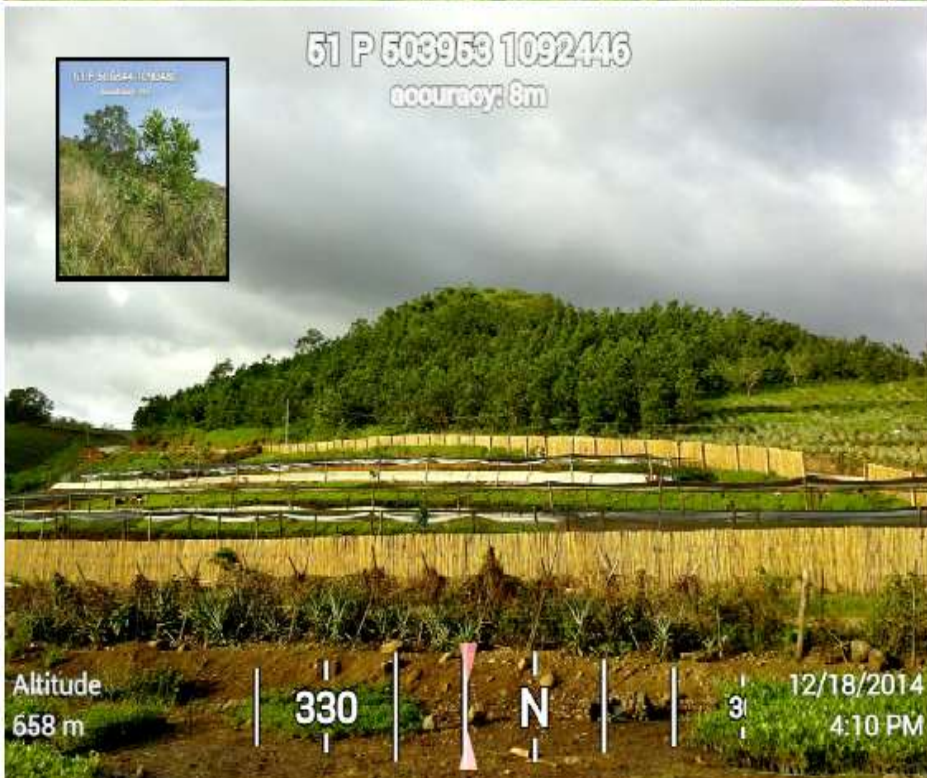
BAC Chair

Certified Correct:

Regional BAC Chair NGP Regional Coordinator

RTD for Forestry/ ERDS/
PAWCZMS/ ARD for Technical Services

Attested by: _____
Regional Director

51 P 503953 1092446

accuracy: 8m

Altitude 658 m 330 N 3 12/18/2014 4:10 PM

**Certificates of Site
Development
submitted by the
DENR Regional
Offices covering
the 2011-2014
NGP Sites**





Republic of the Philippines
 DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
 COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE
 CENRO-B340, Manolo Fortich, Bukidnon

Region X

National Greening Program
 Certificate of Development


Site Code No.:
 11-101314-0426 to 0434 and 1455-0031

It is hereby certified that the NGP Site located at Barangay Kibenton, Municipality of Impasugong, Province of Bukidnon, covering a total of 31 hectares, and with geographic coordinate as reflected in geo-tagged photos shown herein, has been established and developed in partnership with Kibenton United Farmers Association (KUFA), Inc. since 2011.

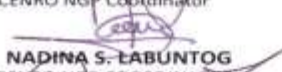
It is further certified that the site which has been planted with 15,500 seedlings of Brazilian Fire Tree, and Rubber registered a survival rate of 87.0% as of December 2014.

Affixed our signature:



 FERDINAND E. DAGULO
 OIC, CENR Officer


 CARLOS P. BAGONOC
 CENRO NGP Coordinator


 MA. THERESA J. ALLEN
 OIC, PENR Officer


 NADINA S. LABUNTOG
 PENRO NGP COORDINATOR

ALFREDO R. CARCALLAS
 CENRO BAC Chair


 ROMEO M. TACLINDO
 PENRO BAC Chair

Conformed by:


 ROEL S. OKIT
 PO President-KUFA, Inc.

Certified Correct:

ATTY. FLORENDA LAMASON-YAP
 Regional BAC Chair


 BELEM O. DABA, PH.D
 Regional NGP Coordinator

FELIX S. MIRASOL, JR.
 OIC, ARD for Technical Services

ESTER A. OLAVIDES
 OIC, ARD for Management Services

Attested by:


 RUTH M. TAWANTAWAN, CESO IV
 Regional Director





Department of Environment and Natural Resources
 COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE
 B-320, Don Carlos, Bukidnon

Region 10

**National Greening Program
 Certificate of Development
 Site Code No.:**

12-101304-0075-0001 to 12-101304-0216-0001

It is hereby certified that the NGP Site located at Barangay Lagandang, Municipality Damulog, Province of Bukidnon, covering a total of 373.00 hectares, and with geographic coordinates as reflected in geotagged photos shown herein, has been established and developed in partnership with **Lagandang Upland Farmers Association (LUFA), Inc.** since Year 2012.

It is further certified that the site which has been planted with 186,500 seedlings of Rubber, Falcata, Durian, Lanzones and Rambutan registered a survival rate of 92.36 % as of January, 2015.

Affixed our signature:

DANILO B. TULIBAS
 CENR Officer

THOMAS L. CARDENTE II
 CENRO NGP Coordinator

MA. THERESA E. ALLEN
 PENR Officer

NADINA S. LABUNTOG
 PENRO NGP Coordinator

BELEN M. PAIG
 CENRO BAC Chair

ROMEO M. TACLINDO
 PENRO BAC Chair

Conformed by:

EUGENIO S. PIOQUINTO
 PO President

Certified Correct:

ATTY. FLORENDA LAMASON-YAP
 Regional BAC Chair

BELEN O. DABA, Ph.D.
 NGP Regional Coordinator

FELIX S. MIRASOL, JR.
 OIC, ARD for Technical Services

ESTER A. OLAVIDES
 OIC, ARD for Management Services

Attested by:

RUTH M. TAWANTAWAN, CESO IV
 Regional Director





Republic of the Philippines
 DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
 Community Environment and Natural Resources Office
 DENR-CENRO-X-B350, Pangantucan, Bukidnon

REGION 10

NATIONAL GREENING PROGRAM

Certificate of Development

Site Code No.

12-101316-1120 to 1122; 1124 to 1127; 1129 to 1135-0250

It is hereby certified that the NGP site located at Barangay **Barandias**, Municipality of **Pangantucan**, Province of **Bukidnon** covering a total of **250.0 hectares**, and with geographic coordinates as reflected in geo-tagged photos shown herein, has been established and developed in partnership with **PO-Kahuggungan sa mga Mag-uuma sa Kabukiran Association (KASAMAKA), Inc. formerly Kapunungan sa mga Mag-uuma sa Kalasangan Association (KASAMAKA)** since **2012**.

It is further certified that the site which have has been planted with 125,000 seedlings of **Rubber, Cacao, Coffee, and Falcata** registered a survival rate of 93 % as of December 2014.

Affixed our signature

LEONARDO R. BUTED
 CENRO Pangantucan, Caretaker

EDGAR F. BALILI
 CENRO NGP Coordinator

MA. THERESA J. ALLEN
 OIC, PENR Officer

NADINA S. LABUNTOG
 PENRO NGP Coordinator

RENE ALEJANDRO C. RICARTE
 CENRO BAC Chairman

ROMEO M. TACLINDO
 PENRO BAC Chairman

Conformed by:
MATEO V. PABELONIA
 PO President

Certified Correct:

ATTY. FLORENDA LAMASON-YAP
 Regional BAC Chair

BELEN O. DABA, Ph.D
 NGP Regional Coordinator

FELIX S. MIRASOL, JR.
 OIC, ARD for Technical Services

ESTER A. OLAVIDES
 OIC, ARD for Management Services

Attested by:

RUTH M. TAWANTAWAN, CESO IV
 Regional Director



2012



Altitude
 778 m



01/08/2015
 12:13 PM



**National Greening Program
 Certificate of Development
 Site Code No.:
 12-112501-4498-0003**

It is hereby certified that the NGP Site located at **Barangay San Jose, Municipality of Boston, Province of Davao Oriental**, covering a total of **3.1 hectares**, and with geographic coordinates as partially reflected in geo-tagged photos shown herein, has been established and developed in partnership with **BOSTON MANDAYA TRIBAL COUNCIL ASSOCIATION** since 2012. (Rehabilitated area damaged by Super Typhoon Pablo last December 4, 2012).


It is further certified that the site which has been planted with **2,582 seedlings of Falcata**, registered a survival rate of **96.50%** as of **January 20, 2015**.

Affixed our signature:


BENJAMÍN M. SUBIRE, JR.
 FI/NGP CENRO Coordinator


REYNALDO B. SATOR
 OIC, CENR Officer


MARIANO G. BASAÑEZ
 FI/NGP PENRO Coordinator


HILARY F. LUDIA
 FZ Planning Officer / BAC Chair


CHAMBERLAIN J. BABIERRA
 OIC, PENR Officer

Certified Correct:


MARYLOU ZARASATE, PhD-PM
 NGP Regional Coordinator


ATTY. FELIX S. ALICER
 ARD for Technical Services

Attested by:


JOSELIN MARCUS E. FRAGADA, CESO III
 Regional Director



■ WEB BASED ACCESS TO NGP CODED MAPS AND GEOTAGGED PHOTOS

Site Profile



National Greening Program
1.5 billion trees covering 1.5 million hectares for a period of six years from 2011 to 2016

HOME ABOUT NGP PLANTING SITES REFERENCE MATERIALS REPORTS GALLERY NEWS CONTACT US

LGU Uyugan

Site ID: 11-020900-0028-003
 Address: Imnaju, Uyugan, Batanes
 Area in hectares: 3.11 Has
 Commodity/Species Planted: Bitag
 Year Planted: 2011
 NGP Partner Beneficiaries: LGU Uyugan

Photos

View in Google Earth

LEGEND
 • Geo-tagged photo
 • 2011 Planting site

www.ngp.denr.gov.ph

SAMPLE SITES

[11-074602-0722-0008](tel:11-074602-0722-0008)

Ayungon, Negros Oriental

[11-071242-0015-0004](tel:11-071242-0015-0004)

Calape Bohol

- Reports are subscribed and sworn to (under oath)
- Regular monitoring
- Partnership with Civil Society and Peoples' Organizations



Checkless Transaction (Advice to Debit Account-ADA)

ADA - refers to an authorization issued by the National Agencies/Operating Unit appearing in the lower portion of the List of Due and Demandable Accounts Payable (LDDAP). It serves as instruction to the Modified Disbursement System-Government Servicing Bank (MDS-GSB) to debit a specified amount from its available Notice of Cash Allocation (NCA) balance under the regular MDS sub-account for payment of creditors/payees thru Modified Disbursement Payment System (MDPS)

Ref: DBM Circular Letter No.2013-16 dated Dec 23, 2013

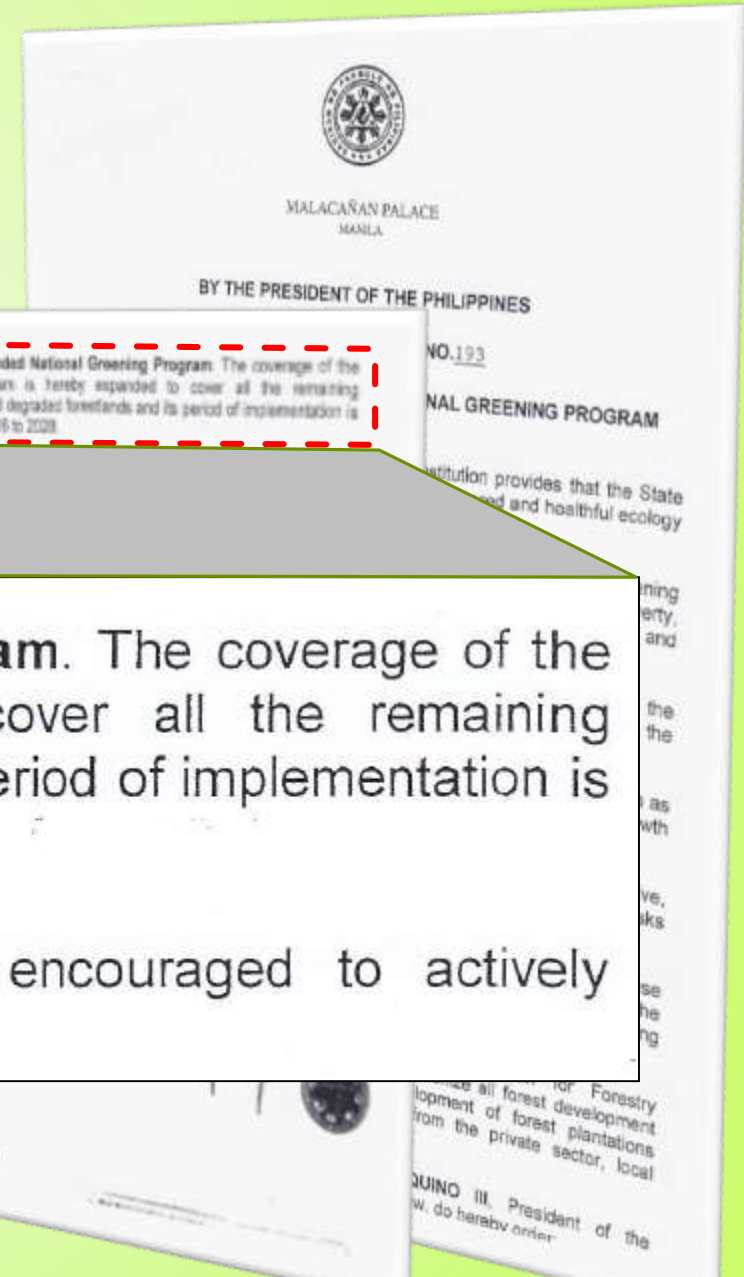


Executive Order No. 193 EXPANDING THE COVERAGE OF THE NATIONAL GREENING PROGRAM

SECTION 1. Expanded National Greening Program. The coverage of the National Greening Program is hereby expanded to cover all the remaining unproductive, denuded and degraded forestlands and its period of implementation is likewise extended from 2016 to 2028.

SECTION 1. Expanded National Greening Program. The coverage of the National Greening Program is hereby expanded to cover all the remaining unproductive, denuded and degraded forestlands and its period of implementation is likewise extended from 2016 to 2028.

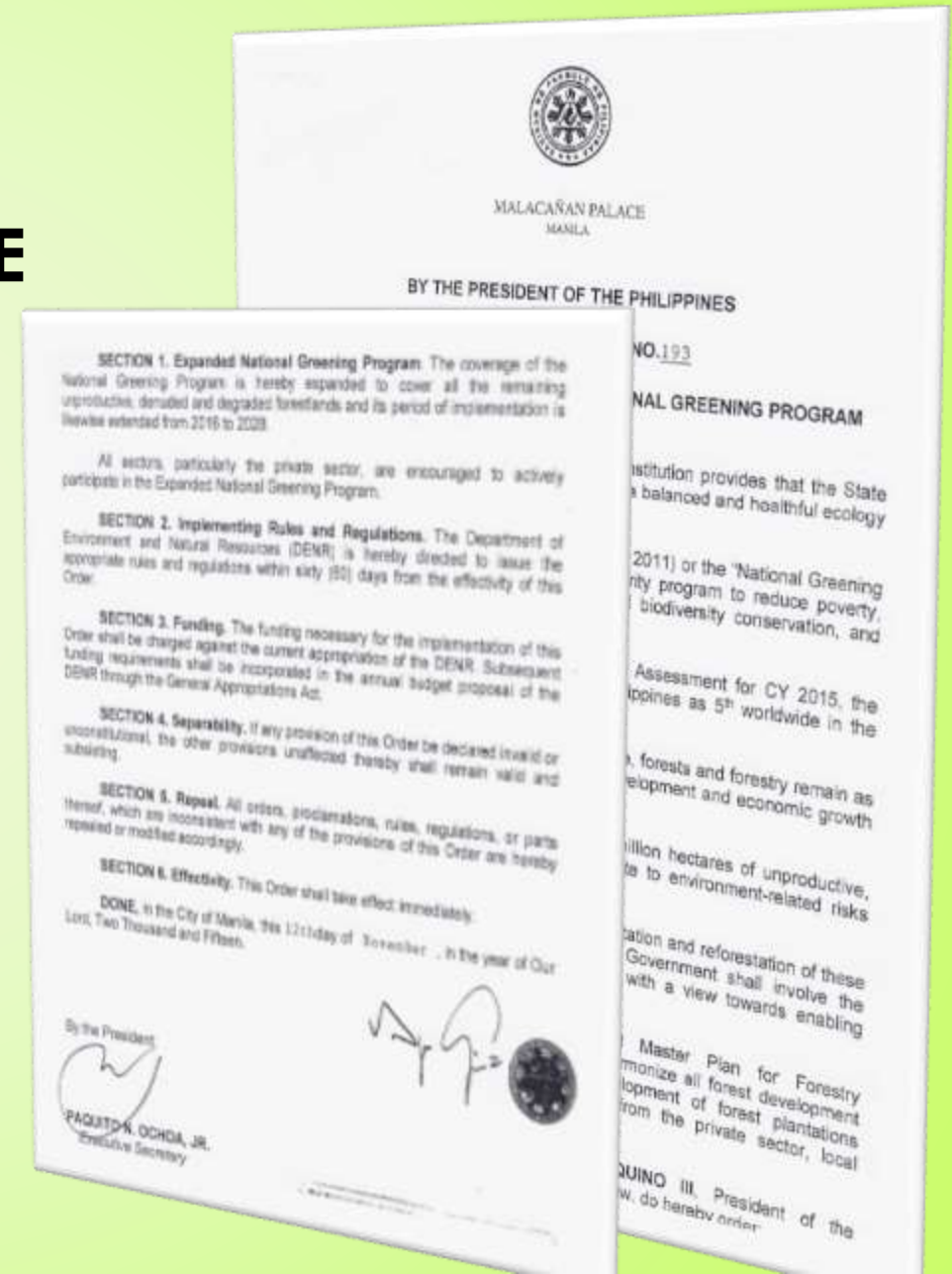
All sectors, particularly the private sector, are encouraged to actively participate in the Expanded National Greening Program.





Executive Order No. 193 EXPANDING THE COVERAGE OF THE NATIONAL GREENING PROGRAM

- ❑ Geared toward sustaining the gains of NGP
- ❑ Consistent with the updated Master Plan for Forestry Development
 - Harmonizing all forest development activities in the Philippines



.....We do acknowledge

- ❑ Enormous tasks in completely reforesting our open and degraded forestlands
- ❑ Improve the socio-economic condition of the upland communities





.....With the strong political will
of our national leaders



Thank You!



Department of Environment and Natural Resources

Visayas Avenue, Diliman, Quezon City

Tel No. +632-929-6626 to 29

Website: <http://www.dern.gov.ph>, E-mail: web@denrgov.ph