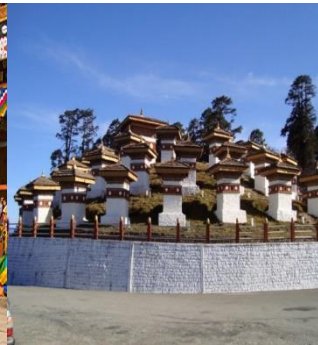


# Country Presentation “Bhutan”

Chencho Dorji  
National Biodiversity Centre  
Ministry of Agriculture and Forests  
Royal Government of Bhutan

# Facts of Bhutan

- ✓ Area - 38,394 sq. Km
- ✓ Altitude – Varies from 150m to 7,550 above the sea level.
- ✓ Population – Approx. 7,30,000
- ✓ Forest Cover- 72.5% of total land area
- ✓ Hot spot for biodiversity
- ✓ Development philosophy of GNH



# Ecosystem diversity

- ❖ Forest (Dominant, 70.4% under forest cover)
- ❖ Aquatic
- ❖ Agriculture (diverse from 600m to as high as about 4500 masl)



# Species diversity

## Flora

- Vascular plants (5600 species)
- Pteridophyte (411 species in 27 families)
- Non-Vascular plants (282 species)
- Fungus (about 350 species, edible 53)
- Insect Fungi (100 species recorded)
- Lichens (287 species known)



# Species diversity

- >100 Species of crops
- Around 230 species of CWRs
  - 384 landraces of rice
  - 105 landraces of maize
  - 36 landraces of wheat
  - 10 landraces of sweet buckwheat
  - 11 landraces of bitter buckwheat
  - 32 landraces of barley
  - 22 landraces of amaranth
  - 36 landraces of millets



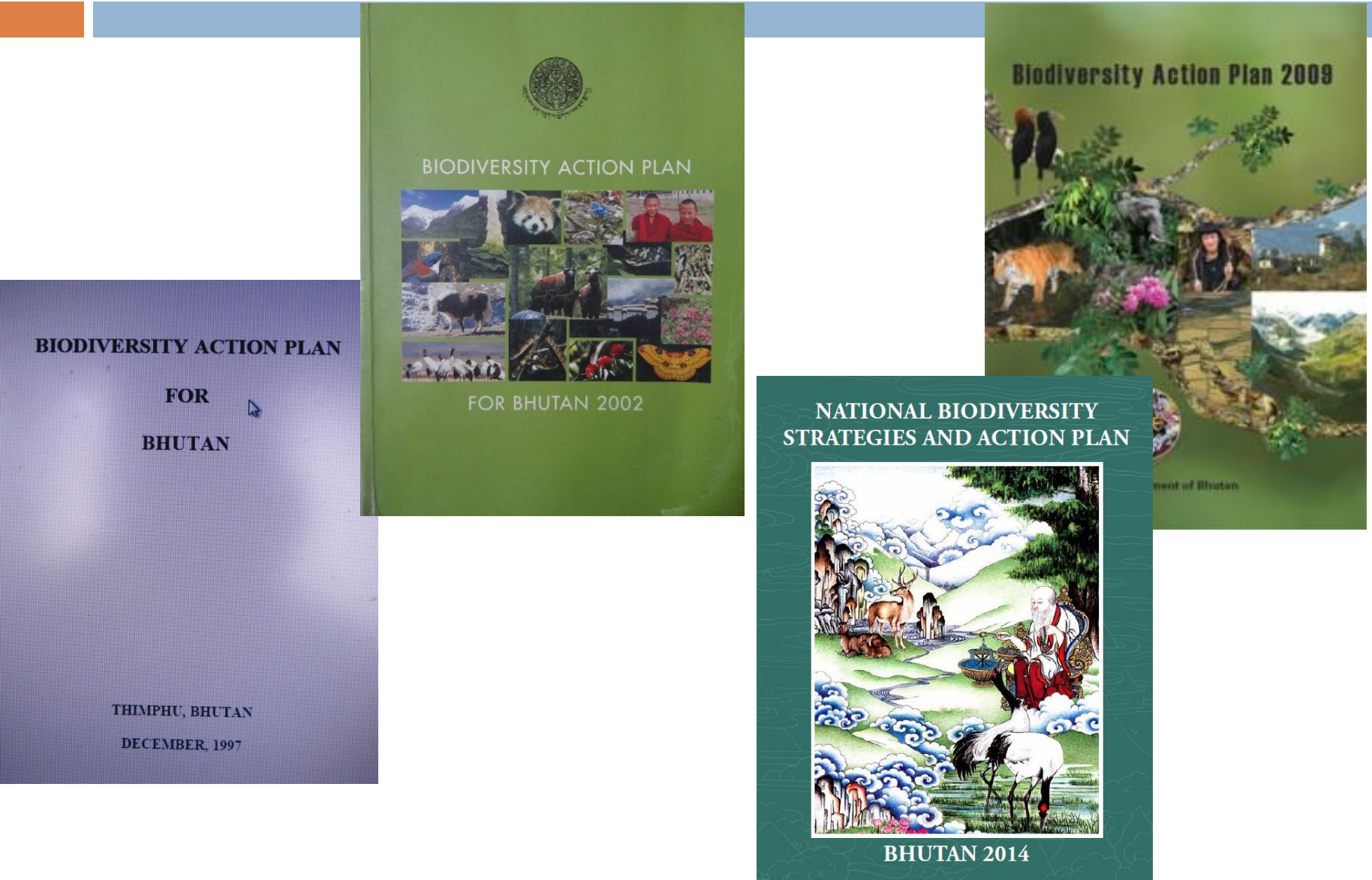
# Species diversity

## Fauna

- Wild- close to 200 spp.
- Domestic- local breeds of cattle, horse, sheep
- Avifauna- around 700 spp.
- Fish fauna- 91 freshwater fish species
- Herpetofauna – Around 124 spp. Of reptiles and 61 species of amphibians.
- Invertebrates- expected 800-900 spp.



# Evolution of Biodiversity Action Plans of Bhutan: A brief History



# Key difference between revised NBSAP and past BAPs

- ❑ Nationally developed through rigorous consultation.
- ❑ Time bound, Out come oriented with definite targets- based on nationally identified issues/threats/potentials.
- ❑ M & E mechanism.
- ❑ Implementation mechanism.
- ❑ Resource mobilization and capacity building strategies.
- ❑ Basis for budget needs assessment and donor support.
- ❑ Clear linkage to global targets



# 20 National Biodiversity Targets

1. Awareness on values of biodiversity
2. National capacity for valuation of biodiversity
3. Reforming Incentives harmful to biodiversity
4. Sustainable production and consumption of natural resources
5. Conservation of high-biodiversity value habitats
6. Conservation of key aquatic biodiversity
7. Sustainable management of agriculture and forestry
8. Maintaining pollution within environmental standards
9. Management of Invasive species
10. Adaptation to impacts of climate change
11. Effective management of protected area system
12. Improve conservation status of prioritized species
13. Conservation and sustainable use of Agro-biodiversity
14. Assessment and safeguard of key ecosystem and ecosystem services
15. Rehabilitation of prioritized degraded ecosystems
16. Implementation of Nagoya Protocol and Access and Benefit Sharing
17. Adoption and implementation of NBAP as a national guiding document on biodiversity
18. Conservation of Traditional Knowledge and Customary Practices relevant to biodiversity
19. Access to science-based knowledge and technologies
20. Resource mobilization for NBSAP implementation

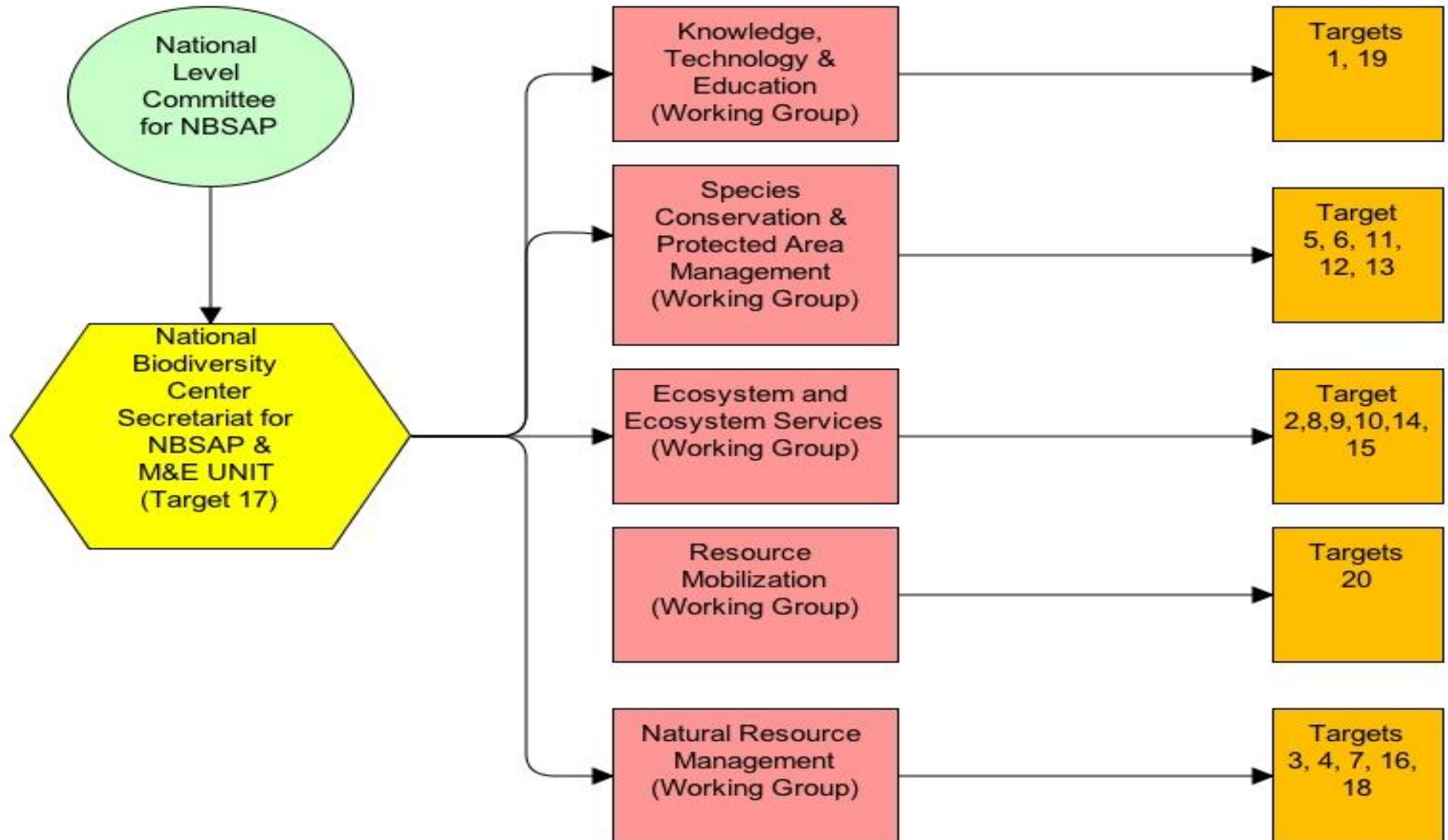
# 20 National Targets



- ❖ Addressing biodiversity losses
- ❖ Reducing pressures on biodiversity
- ❖ Safeguarding ecosystems, species and genetic diversity
- ❖ Enhancing benefits from biodiversity & ecosystem services
- ❖ Enhancing implementation



# Implementation Mechanism



# Clearing House Mechanism

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## Clearing House Mechanism of Bhutan

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### EVENTS CALENDAR

| « January 2018 » |    |    |    |    |    |    |
|------------------|----|----|----|----|----|----|
| Mo               | Tu | We | Th | Fr | Sa | Su |
| 1                | 2  | 3  | 4  | 5  | 6  | 7  |
| 8                | 9  | 10 | 11 | 12 | 13 | 14 |

Welcome to the National CHM Web Portal of Bhutan

### MEETINGS AND EVENTS

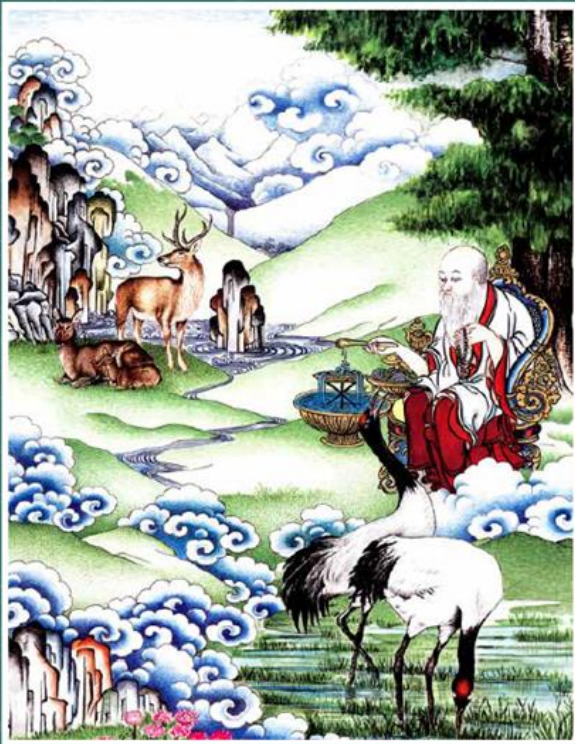
-  [Introductory Meeting on Clearing House Mechanism \(CHM\)](#)

CHM Meeting

- ❑ Hosted with the National Environment Commission Secretariat
- ❑ Used as a platform to update and report on the status of NBSAP Implementation
- ❑ Provide information on global processes and programme of works and other national obligations under the CBD
- ❑ CHM website developed since 2013
- ❑ CBD NFP is the CHM NFP

# Thank you!!

## NATIONAL BIODIVERSITY STRATEGIES AND ACTION PLAN



BHUTAN 2014



Towards – “A happy and resilient Bhutanese community, nurtured by rich spiritual and cultural traditions, valuing biodiversity and living in harmony with it”