

9th Asian Soil Partnership Meeting

National updates on soil: BHUTAN

Tashi Wangdi

National Soil Services Centre

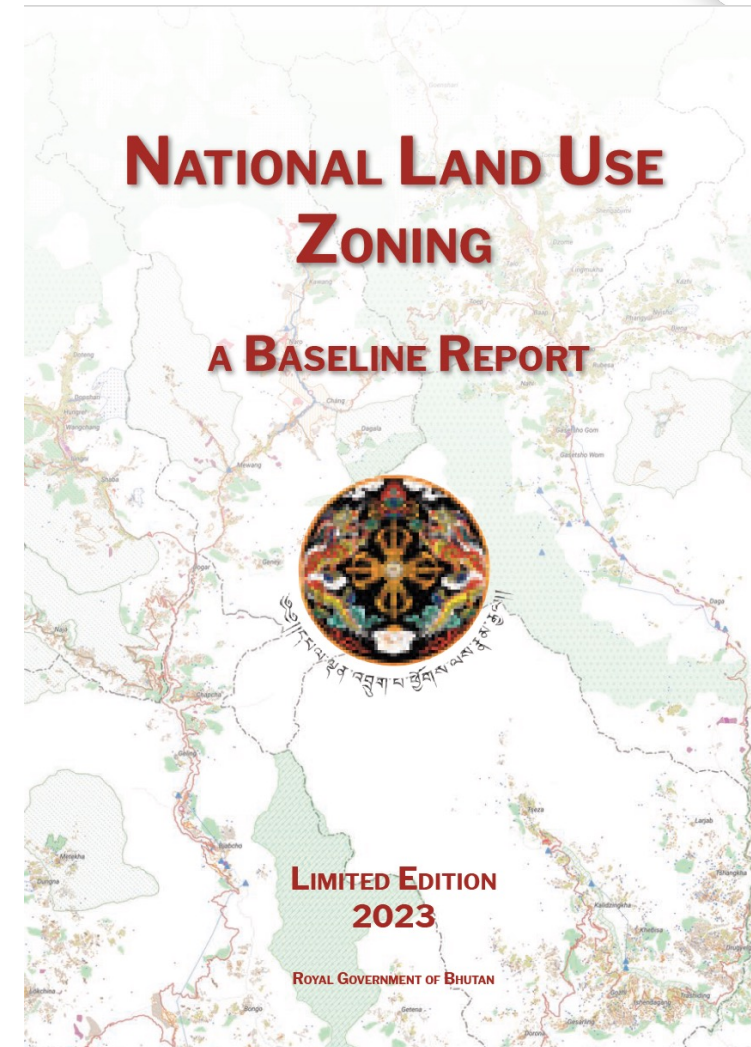
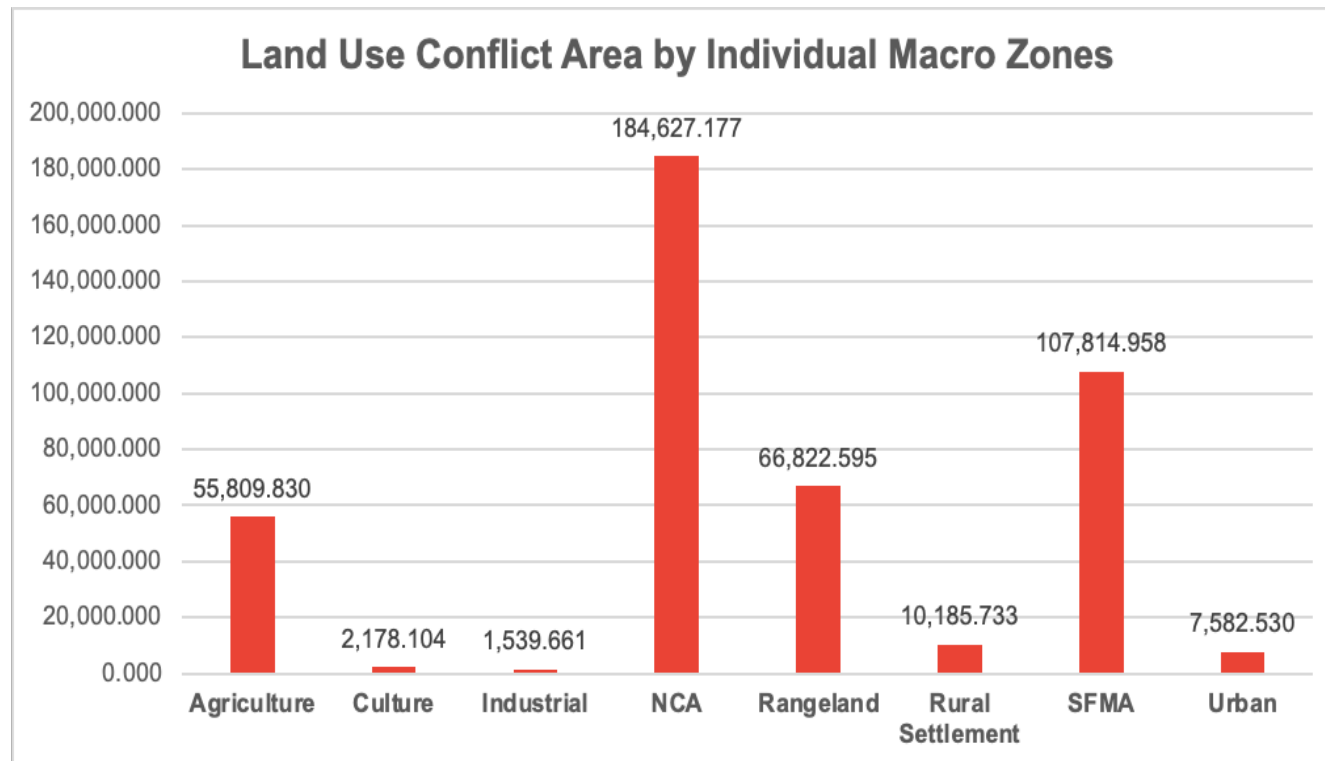
Department of Agriculture

Ministry of Agriculture & Livestock

Pillar 1: Promote sustainable management of soil resources for soil protection, conservation and sustainable productivity



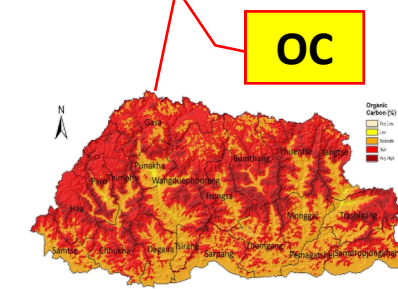
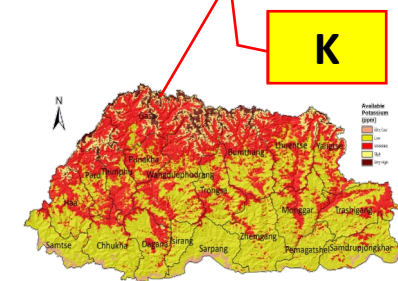
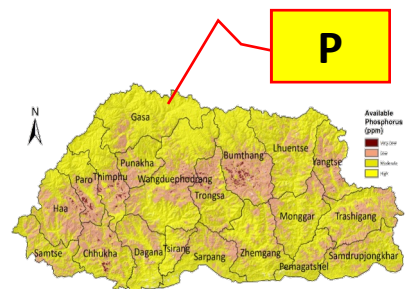
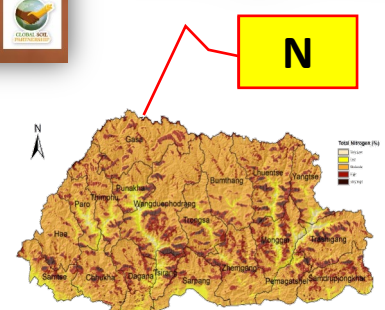
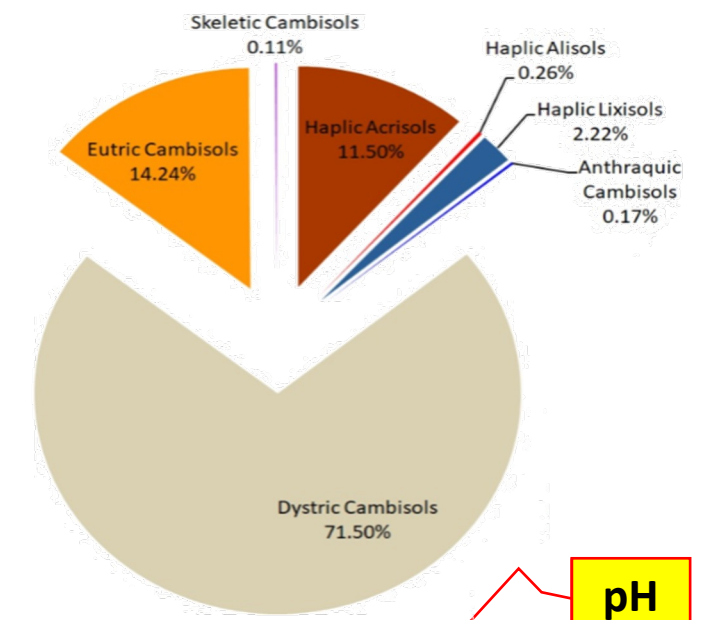
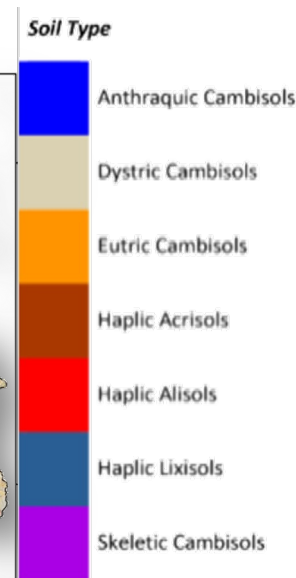
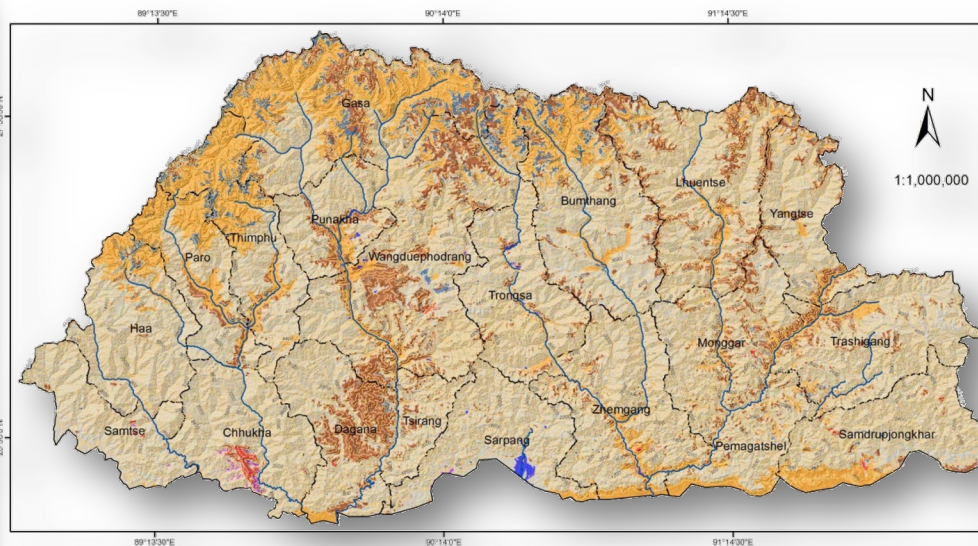
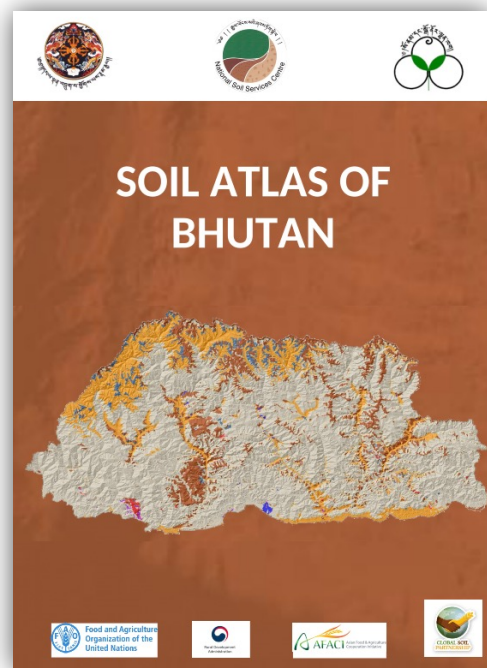
- National Land Use Zoning Baseline Report 2023 (NLUZ 2023) Produced



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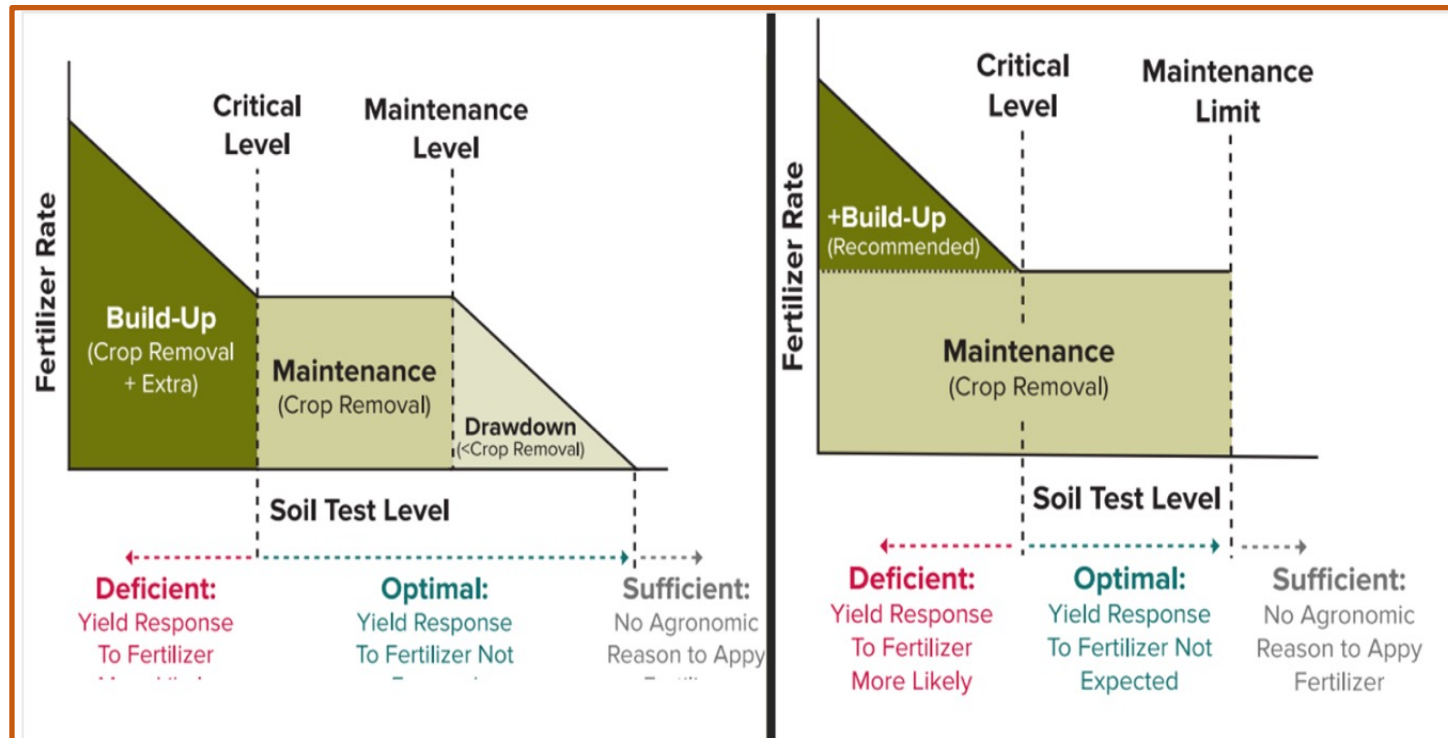
- First ever Soil Atlas of Bhutan 2024 Launched



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- Fertilizer Recommendation Guide 2024 launched



FERTILIZER RECOMMENDATION GUIDE - 2024

The cover features logos of the National Soil Services Centre, the Ministry of Agriculture, and the National Soil Services Centre. It includes a photograph of a cornfield and a bar chart comparing fertilizer practices for Rice.

Practice	Fertilizer Rate (t/ha)
Farmer's Practice	1.5
FYM-Chemical Fertilizer	2.3
Dhanchuk/Farmer's Practice	1.8

NATIONAL SOIL SERVICES CENTRE
www.nssc.gov.bt

GLOBAL SOIL PARTNERSHIP



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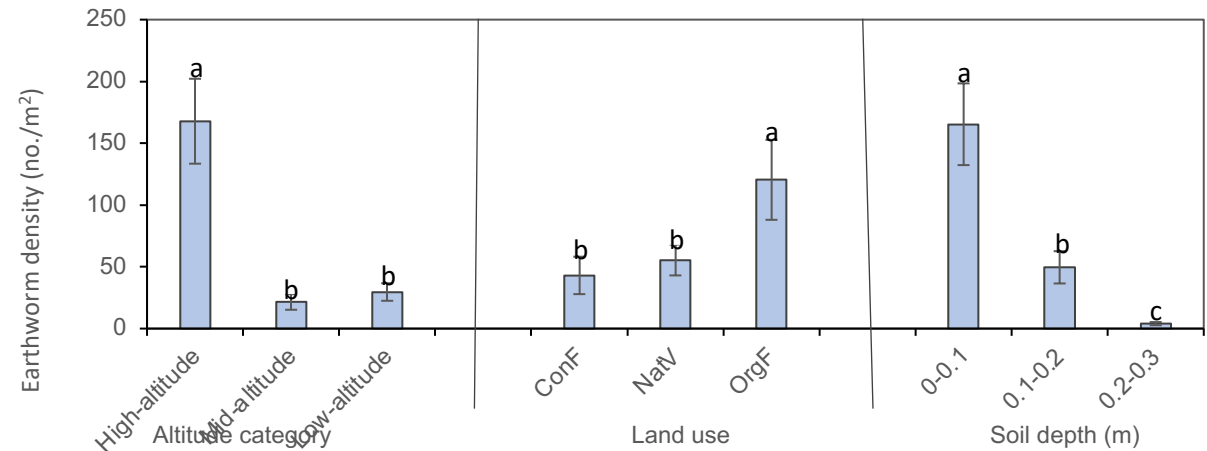
- Scaling out of Sustainable Land Management interventions



Pillar 3: Promote targeted soil research and development focusing on identified gaps, priorities and synergies with related productive, environmental and social development actions



- Soil Microbiology Laboratory established
- Laboratory-based hands-on training on Soil Microbiology
- Earthworm profiling in different land use and altitude
- Efficacy trial of Smart fertilizer (Nano urea) in maize
- Efficacy comparison between EM, Bhutan Agri-Microbial Solution (BAMS), Bio-fertilizer on the decomposition rate and nutrient quality of compost and FYM





Pillar 4: Information and Data

- Implementation of 2nd phase of AFACI Project
- Initiative on taking soil testing services closer to farmers through:
 - Rapid Soil Testing Kits
 - Mobile Soil Testing equipment/mini-Laboratory Van
 - Sensor-based Soil Testing
- Initiate identification, isolation and culturing of soil microbes



Pillar 5: Harmonization of methods, measurements and indicator for the sustainable management and protection of soil resources



- Active participation in GLOSOLAN and SEALNET
- Active participation as a committee member of SEALNET
- Continued strengthening of regional soil laboratory facilities and capacity
- International Proficiency Testing of Soil with WEPAL in the Netherlands (achievement 94.1%)



Thank You for Your Kind Attention!