



Food and Agriculture
Organization of the
United Nations

National updates on soil: BHUTAN

7th Asian Soil
Partnership
MEETING

9-10 March 2022

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Department of Agriculture
Ministry of Agriculture & Forests



Main activities implemented under Pillar 1



- Revised “Sustainable Land Management: Guidelines and Best Practices”
- Implementation of sustainable land/soil management practices – terracing, stone bunds and hedgerows
- Developed “Training Manual on Organic Fertilizers Production (Feb 2022)”
- Revision of “A Guide to Fertilizer Recommendation for Major Crops” underway



Main activities implemented under Pillar 2



- Training on nutrient management to youths as part of Youth Skilling & Engagement Program in Agriculture Enterprises – Hydroponics and Floriculture
- Institutional capacity building on Digital Soil Mapping with support from AFACI/FAO;
- Celebrated World Soil Day 2021



Main activities implemented under Pillar 3



- Soil Erosion rate Measurement plots established
- Developed “Low Emission Development Strategy (LEDS) 2021” – Shift from synthetic fertilizer to organic fertilizer
- Improved nitrogen use efficiency in rice crop production
- Research & Extension on technology development & dissemination on Organic soil amendments



Main activities implemented under Pillar 4



- Implementation of AFACI Project for the development of Bhutan Soil Map and Soil Information System in progress
 - 95% of soil data collection from cultivated area completed
 - Data compilation and lab analysis on-going
 - Attended online training – salinity mapping, SOC & C sequestration mapping, soil database/information
 - SOC stock mapping, C sequestration & salinity mapping completed
- Earthworm profiling on pilot basis (need TA for Soil Biodiversity assessment)

Main activities implemented under Pillar 5

- Active participation in GLOSOLAN and SEALNET
- Active participation as a committee member of SEALNET
- Strengthening regional soil laboratory in Bhutan





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Thank you for kind Attention

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