



Food and Agriculture
Organization of the
United Nations



Rural Development
Administration

Bangladesh, Bhutan, Cambodia,
Lao PDR, Indonesia, Kyrgyzstan,
Mongolia, Myanmar, Nepal,
Philippines, Sri Lanka, Thailand,
Vietnam

PROJECT TIMELINE & DELIVERABLES



Global Soil Partnership



<https://www.fao.org/global-soil-partnership/en/>



Project Title:	Preparation of the Soil Atlas of Asia through the update of national soil maps and National Soil Information Systems for AFACI Countries
Project symbol:	
Recipient Countries:	Bangladesh, Bhutan, Cambodia, Lao PDR, Indonesia, Kyrgyzstan, Mongolia, Myanmar, Nepal, Philippines, Sri Lanka, Thailand, Vietnam
Government(s)/other counterpart(s):	Ministries of Agriculture, national soil institutions from the target countries and regions, universities, research institutions, soil science societies
Expected EOD (Starting Date):	1 September 2019
Expected NTE (End Date):	31 August 2023

Project Outcome

The outcome of this project will be to strengthen the capacity of AFACI countries on soil data management and processing for increasing soil data interoperability, soil maps development and the establishment or strengthening of national soil information systems under GloSIS.

- Build consistent and updated national soil information systems to contribute to GloSIS;
- Share and transfer soil knowledge and new technology within and beyond the region;
- Provide soil information to all those with an interest in sustainable soil and land management;
- Train a new generation of experts in soil science and management.



Output 1

National soil type maps are prepared

- Compilation, digitisation of legacy maps and profiles to fill data gaps;
- Regional workshop on WRB soil classification and data harmonisation;
- Soil Atlas of Asia : Editorial Board meetings;
- National soil maps in WRB classification;
- Border Harmonisation meetings;

Output 2

National soil profile databases and property maps are produced

- Regional workshop on creating/maintaining national soil databases and soil property mapping;
- Creation/update and population of national soil profile databases with data; from soil surveys and/or legacy sources;
- production/update of gridded maps of soil properties and threats;

Output 3

National soil information systems are established

- Regional workshop on the development of soil information systems;
- development/enhancement of National soil information systems;
- National soil information systems are connected through GloSIS;

Output 4

Online Learning Platform is established (EduSOILS)

- Harmonization of training materials;
- Online learning platform is launched;

	Activity	Sep-Dec 2019	Jan-Mar 2020	Apr-Jun 2020	Jul-Sep 2020	Oct-Dec 2020	Jan-Mar 2021	Apr-Jun 2021	Jul-Sep 2021	Oct-Dec 2021	Jan-Mar 2022	Apr-Jun 2022	Jul-Sep 2022	Oct-Dec 2022	Jan-Aug 2023
	Output 1: National soil type maps are prepared														
1.1	Project launch meeting as a side-event for the 5th INSII working session (FAO HQ, Rome, 21 - 23 Oct 2019)														
1.2	Consultation and technical support to AFACI countries for soil data compilation, digitisation of legacy maps and profiles to fill data gaps for soil mapping and conversion of soil classifications to WRB														
1.3	Regional workshop on WRB soil classification and data harmonisation														
1.4	3 rd Editorial Board meeting of the Soil Atlas of Asia														
1.5	Consultation and technical support to AFACI countries for the finalisation of the National soil maps in WRB classification														
1.6	4 th Editorial Board meeting of the Soil Atlas of Asia; border harmonisation session (AFACI and Non-AFACI Countries)														

OUTPUT 1



Activity	Sep-Dec 2019	Jan-Mar 2020	Apr-Jun 2020	Jul-Sep 2020	Oct-Dec 2020	Jan-Mar 2021	Apr-Jun 2021	Jul-Sep 2021	Oct-Dec 2021	Jan-Mar 2022	Apr-Jun 2022	Jul-Sep 2022	Oct-Dec 2022	Jan-Aug 2023
Output 2: National soil profile databases and gridded maps of soil properties and threats are produced														
2.1 Regional workshop on creating/maintaining national soil databases and soil property mapping														
2.2 Consultation and technical support to AFACI countries for creation/update and population of national soil profile databases with data from soil surveys and/or legacy sources														
2.3 Consultation and technical support to AFACI countries for production of national gridded soil maps for the Soil Atlas of Asia														
2.4 Quality control of the national gridded soil maps before submission for the Soil Atlas of Asia														
2.5 Soil Atlas of Asia is launched														
2.6 Consultation and technical support to AFACI countries for production/update of gridded maps of soil properties and threats														

OUTPUT 2

Activity	Sep-Dec 2019	Jan-Mar 2020	Apr-Jun 2020	Jul-Sep 2020	Oct-Dec 2020	Jan-Mar 2021	Apr-Jun 2021	Jul-Sep 2021	Oct-Dec 2021	Jan-Mar 2022	Apr-Jun 2022	Jul-Sep 2022	Oct-Dec 2022	Jan-Aug 2023
Output 3: National soil information systems are established														
3.1 Regional workshop on the development of soil information systems														
3.2 Consultation and technical support to AFACI countries for the development/enhancement of National soil information systems														
3.3. All National soil information systems are connected through GLOSIS														
Output 4: Online Learning Platform is established (EduSOILS)														
4.1 Training materials are harmonised and reviewed.														
4.2 Online learning platform is launched.														

OUTPUT 3-4

Deliverables: GSP Secretariat

- Regional Soil Map (*AFACI & Non-AFACI Countries*)
- Training Sessions (*Digital Soil mapping, Data Management, NSIS Material*)
- Continuous Technical Support (*All deliverables*)
- QA/QC of the Deliverables
- EduSOILS Platform and Courses (*DSM, NSIS Development*)

Deliverables: AFACI Countries

- National Soil Maps (WRB) – 2021 **completed**
- National Harmonised Soil Profile Databases – **2022**
- National Thematic Maps – **2022**
 - SOC, EC, pH, SAS, SOCseq, Texture, BD
 - Erosion and NPK (TBD)
- National Soil Information Systems
(developed/modernised)

AFACI Project Data Repository

- To be established upon the completion of
 - National Soil Maps
 - National Soil Profile DBs
 - National Thematic and Property Maps

Training on Soil Organic Carbon Sequestration Modeling & Mapping

- Objective. To support AFACI countries to produce their soil organic carbon sequestration potential maps
- Activity: Production/update of gridded maps of soil properties and threats (Activity 2.6)
- Relevant Project Output: Production of national soil profile databases and property maps (Output 2)