

CESRA's work plan for the period 2019-2023

Department of Administration and Collaboration: DAC

Outcome	Outputs	Activities	Stake holders	Duration	Funding requested (USD)
1.1 Administrative support to CESRA is provided	<input type="checkbox"/> CESRA's administrative procedures are defined <input type="checkbox"/> CESRA's counterparts are kept informed and involved in CESRA's activities	1.1.1 Support the development of CESRA's work plan every five years and its review every two years 1.1.2 Assist CESRA's Director and the Heads of the DSIT and DSRD in all administrative matters 1.1.3 Assist the CESRA's Steering Committee in the execution of its functions 1.1.4 Facilitate the organization of CESRA's Steering Committee meetings 1.1.5 Assist the DSIT and DSRD in regular reporting and monitoring of the activities 1.1.6 Develop a system to monitor CESRA's progresses and needs, and report on CESRA's performance to CESRA's Director every six months 1.1.7 Liaise with and report to donors under the supervision of CESRA's Director 1.1.8 Assist counterparts of CESRA 1.1.9 Provide administrative support for the daily functioning of CESRA 1.1.10 Recruit personnel 1.1.11 Write CESRA's Rules and Procedures on personnel management 1.1.12 Pay CESRA's personnel on a monthly basis and manage other expenses related to the functioning of the center	DAC	2019-2023	

<p>1.2 Communication and outreach is ensured</p>	<ul style="list-style-type: none"> <input type="checkbox"/> CESRA's activities are advertised and promoted <input type="checkbox"/> Technical and scientific cooperation is stimulated and supported 	<p>1.2.1 Facilitate the communication between CESRA headquarters and counterparts</p> <p>1.2.2 Liaise with any national and international organization interested in engaging with CESRA</p> <p>1.2.3 Maintain communication with the GSP and ASP Secretariats, ensuring that CESRA's activities are in line with global and regional priorities</p> <p>1.2.4 Promote CESRA's activities and outreach on social media, scientific journals, newspapers, at conferences etc.</p> <p>1.2.5 Prepare communication material (e.g. videos and brochures)</p> <p>1.2.6 Prepare training material under the supervision of DSIT and DSRD, and in accordance with Pillar 2 and EduSoils</p> <p>1.2.7 Keep the CESRA's webpage updated and attractive</p> <p>1.2.8 Organize conferences and social events as needed</p> <p>1.2.9 Manage the CESRA's mail box</p> <p>1.2.10 Assist countries in establishing or strengthening their national network of soil institutions at the purpose of downscaling CESRA's activities</p> <p>1.2.11 Promote the celebration of World Soil Day in ASP countries</p> <p>1.2.12 Promote technical and scientific cooperation on soil in the region</p>	<p>DAC DSIT DSRD</p>	<p>2019-2023</p>	
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<p>1.3 CESRA's facilities and equipment are maintained</p>	<ul style="list-style-type: none"> <input type="checkbox"/> CESRA's technical departments (DSIT and DSRD) are physically enabled to implement their work plan <input type="checkbox"/> guest researchers are supported in their daily life at the center 	<p>1.3.1 Ensure that CESRA's facilities are well maintained and secure as appropriate</p> <p>1.3.2 Ensure that the DSIT and DSRD have the equipment and material (e.g. reagents and servers) needed for their best functioning</p> <p>1.3.3 Manage the CESRA's guest house and the look after the overall stay of CESRA's guests</p>	<p>DAC DSIT DSRD</p>	<p>2019-2023</p>	
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Department of Soil Information and Training: DSIT

Outcome	Outputs	Activities	Stake holders	Duration	Funding requested (USD)
2.1 Capacity building/ enhancement on soil resources information at regional level	<ul style="list-style-type: none"> <input type="checkbox"/> Identified means and training needs <input type="checkbox"/> Capacities on soil mapping and assessment and on soil information are developed. <input type="checkbox"/> Harmonized soil classification system 	<p>2.1.1 Conduct training needs assessment in database development, and capacities of countries on providing training or technology transfer</p> <p>2.1.2 Organize regional/ country specific trainings on</p> <ul style="list-style-type: none"> a) Soil data compilation/ preparation b) Digital soil mapping and modelling of soil properties. c) Develop soil information system based on GloSIS and Country SIS technical specifications <p>2.1.3 Establish training programmes or modules in annual training calendar</p> <p>2.1.4 Improve training facilities for CESRA member countries as per the needs.</p> <p>2.1.5 Assess and evaluate the training given to CESRA member countries.</p>	<p>DSIT DAC</p> <p>Pillar 1 Pillar 2 Pillar 3 Pillar 4 Pillar 5</p>	<p>2020-2023</p>	<p>FAO through JAPAN and other Countries</p> <p>Korea (for negotiation)</p> <p>In kind country contribution</p>

2.2 The Asian Soil Information System is established	<input type="checkbox"/> Countries are assisted in the development of their National Soil information Systems	2.2.1 Produce and improve national soil profile databases, soil type and soil thematic maps 2.2.2 Develop/update national soil information systems and web services 2.2.3 Integrate national soil information systems into GloSIS and ASIS	DSIT Pillar 3 Pillar 4 Pillar 5	2019-2024	FAO In kind country contribution Korea (for negotiation)
2.3 Development data retrieval system on soil resource and research	<input type="checkbox"/> Database retrieval system for soil resources and research in regional level which enable data sharing and share benefit derived by this platform <input type="checkbox"/> Link with global soil database and regional database including GSP and ASP	2.3.1 Identify appropriate data sharing platform for the region 2.3.2 Establish easily accessible data retrieval systems with wide spread coverage for the region 2.2.3 Linking soil database to GLOSIS	DSIT Pillar 4 GSP		FAO In kind country contribution
2.4 Exchange knowledge for optimizing soil database development	<input type="checkbox"/> Knowledge of best practices in SLM in each member countries should be reported and shared in national and regional levels <input type="checkbox"/> Capacity building for scientist/officers in specific field of soil sciences	2.4.1 Organizing knowledge sharing events such as seminars, meetings, study visits, exhibitions appropriate amongst member countries and target groups 2.4.2 Joint research/exchange of experts/scientists/farmers 2.4.3 Linkage knowledge platform with ASP member countries	DSIT DAC Pillar 1 Pillar 2 Pillar 3 Pillar 4 Pillar 5	2020-2023	FAO In kind country contribution

Department of Soil Research and Development: DSRD

Outcome	Outputs	Activities	Stake holders	Duration	Funding requested (USD)
3.1 The Global Soil Doctors Programme and similar programmes are implemented	<ul style="list-style-type: none"> <input type="checkbox"/> The Soil Testing Kit and appropriate materials for the Global Soil Doctors programme and similar programmes are developed and available for use <input type="checkbox"/> Regional educational material is produced <input type="checkbox"/> Soil Doctors' trainers are trained 	<p>3.1.1 Development/improvement of the Soil Testing Kit (STK) for the Global Soil Doctors programme from selected STK (link to SEALNET for quality control), including the appropriate materials for other similar programmes</p> <p>3.1.2 Assist ASP countries in enhancing capacity for the implementation of the Global Soil Doctors programme at the national level</p> <p>3.1.3 Training of Soil Doctors' trainers (extension services) and soil doctors</p> <p>3.1.4 Establish demonstration sites for reviewing and testing existing and new SSM practices, and promote best SSM practices in the region</p> <p>3.1.5 Develop regional specific educational materials to support the Global Soil Doctors programme</p>	DSRD Pillar 1 Pillar 2 Pillar 5	2019-2023	Countries' contribution (in kind / in cash) GEF/ Fertiliser companies/ FAO/

<p>3.2 Implementation of the Voluntary Guidelines for Sustainable Soil Management (VGSSM) is advocated</p>	<ul style="list-style-type: none"> <input type="checkbox"/> VGSSM implemented in Asian countries <input type="checkbox"/> The economic benefits of SSM in Asia are demonstrated <input type="checkbox"/> The efficiency of implemented SSM practices is monitored 	<p>3.2.1 Raise awareness on the VGSSM at the regional and national levels</p> <p>3.2.2 Demonstrate the economic and ecological benefits of SSM in Asia</p> <p>3.2.3 Develop a manual for the implementation of the VGSSM in Asia, linking to major crop and soil types, and providing successful case studies</p> <p>3.2.4 Develop a system (e.g. guidelines/database) to monitor the impact of proposed SSM practices</p> <p>3.2.5 Create a database on effective SSM practices in Asia</p> <p>3.2.6 Assist the GSP in organizing regional and national scientific events on the implementation of the VGSSM, providing case studies and promoting technical and scientific cooperation</p> <p>3.2.7 Showcase SSM practices through exposure visits of farmers, sensitization of planners and policy-makers.</p> <p>3.2.8 Develop capacity of researchers on SSM practices and advanced tools such as Global Soil Doctors and other similar tools.</p> <p>3.2.9 Develop digital/online literature on the implementation of VGSSM and SSM practices.</p>	<p>DSRD</p> <p>Pillar 1</p> <p>Pillar 2</p>	<p>2019-2023</p>	<p>Countries' contribution (in kind / in cash)</p> <p>GEF/ Fertiliser companies/ FAO/</p>
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<p>3.3 The Regional Soil Laboratory Network for Asia (SEALNET) is promoted</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Standard operating procedures used by soil laboratories in Asia are harmonized <input type="checkbox"/> Good laboratory practices, including proficiency testing, are implemented 	<p>3.3.1 Establish a fully functional Reference Laboratory for CESRA</p> <p>3.3.2 Train Asian laboratories on the implementation of GLOSOLAN (Global Soil Laboratory Network) and SEALNET decisions, including the execution of standard operating procedures</p> <p>3.3.3 Prepare the reference material for proficiency testing (link to certified reference material)</p>	<p>DSRD Pillar 5</p>	<p>2019-2023</p>	
<p>3.4 Soil research in Asia is promoted</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Coordinated and targeted research on soil is executed <input type="checkbox"/> New technologies on SSM are developed <input type="checkbox"/> Technical and scientific cooperation is promoted 	<p>3.4.1 Formulate, launch and implement research project of cross-regional interest</p> <p>3.4.2 Develop the communication platform to share the research output and ongoing research programme</p> <p>3.4.3 Establish long-term experiments to study the impact of soil degradation and SSM practices</p> <p>3.4.4 Conduct research on valuation for soil degradation and soil ecological services</p> <p>3.4.5 Establish and organize exchange programmes for researchers and policy/decision makers</p> <p>3.4.6 Publish scientific and policy papers with CESRA research results in internationally recognized peer reviewed scientific journals</p>	<p>DSRD Pillar 3 Pillar 1 Pillar 2</p>	<p>2019-2021</p>	<p>Countries' contribution (in kind / in cash) GEF/ Fertiliser companies/ FAO/</p>

<p>3.5 The gap between science and policy is filled</p>	<ul style="list-style-type: none"> <input type="checkbox"/> Science-driven policies are promulgated by national governments <input type="checkbox"/> Activities on the protection of soil resources are promoted by national governments 	<p>3.5.1 Write policy briefs on scientific findings</p> <p>3.5.2 Organize ‘open day events’ at CESRA for policy-makers to get closer to soil science</p> <p>3.5.3 Conduct dialogues with policy-makers in the promotion of SSM, including the development of national legislation on SSM, inclusion of soil science in school curricula, and developing educational materials for school students.</p> <p>3.5.4 Promote the World Soil Day</p>	<p>DSRD</p> <p>Pillar 1</p> <p>Pillar 2</p> <p>Pillar3</p> <p>Pillar 4</p>	<p>2019-2020</p>	<p>Countries’ contribution (in kind / in cash)</p> <p>GEF/ Fertiliser companies/ FAO/</p>
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