

Global Soil Doctors Programme

- Promotional video: Saving soils and empowering farmers through the GSDP
- Financial resources invested by the national governments, FAO projects, GEF projects, private sector
- New materials: Video tutorials, online training report
- 21 countries implementing the Programme
- New trainings: Nigeria, Uzbekistan, Mozambique, Soils 4 Nutrition project in Mexico, Colombia and Burkina Faso, Turkmenistan, Panama, Chile phase 2, Cambodia
- > New procurement process: survey on the educational kit
- Publications to update with the ITPS support



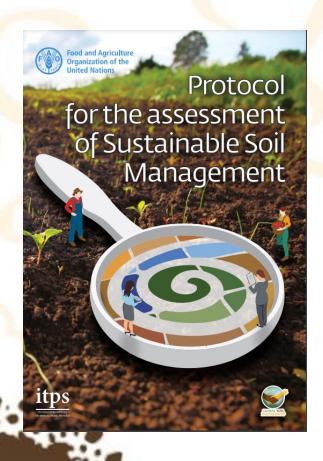








SSM Protocol Implementation





RECSOIL green path

LAC region pilot:

User guide for the LAC region, based on field trials in Nicaragua. Sampling method recommended using baseline measurements and control plots.





Category of practices

Soil preparation

Crop and plant selection

Fertilizer application

Pests and diseases control

Water management

Soil natural status conservation

Type of practices

Improvement of soil hydrology Minimization of soil disturbance
Use of soil amendments

Recommended practices

Subsoiling
Addition of biodegradable hydrogels
Terracing and land shaping
Subsurface drainage

Dee<mark>p ploughin</mark>g





Category of Practices	Туре	Type of practices	Code	Practices
Soil preparation	1	Improvement of soil hydrology	1	Subsoiling
Soil preparation	1	Improvement of soil hydrology	2	Addition of biodegradable hydrogels
Soil preparation	1	Improvement of soil <mark>hy</mark> drology	3	Terracing and land shaping
Soil preparation	1	Improvement of soil hydrology	4	Subsu <mark>rface dra</mark> inage
Soil preparation	1	Improvement of soil hydrology	5	Deep ploughing
Soil preparation	2	Minimization of soil disturbance	6	Use of reduced tillage
Soil preparation	2	Minimization of soil disturbance	7	Controlled traffic farming
Soil preparation	2	Minimization of soil disturbance	8	Fallow
Soil preparation	2	Minimization of soil disturbance	9	Cover cropping
Soil preparation	3	Use of soil amendments	10	Mulching
Soil preparation	3	Use of soil amendments	11	Biochar
Soil preparation	3	Use of soil amendments	12	Liming





Category of Practices	Туре	Type of practices	Code	Practices
Crop and plant selection	4	Crop and plant adaptation	13_	Use of adapted crops (crop suitability)
Crop and plant selection	5	Crop and plant diversification	14	Use of green barriers
Crop and plant selection_	55_	Crop and plant diversification	15_	Crop rotations
Crop and plant selection	5	Crop and plant diversification	16	Multiple cropping
Crop and plant selection	6	Soil remediation	17	Use of phytoremediation
Crop and plant selection_	66	Soil remediation	18_	Use of microbial bioremediation
Fertilizer application	7	Improvement of fertilizer use efficiency	19	Addition of mineral fertilizers according to soil and crop needs
Fertilizer application	7	Improvement of fertilizer use efficiency	20	Context specific fertilizer application method
Fertilizer application_	7	Improvement of fertilizer use efficiency	21_	Use of biofertilizers
Fertilizer application	7	Improvement of fertilizer use efficiency	22	Use of enhanced efficiency fertilizers
Fertilizer application	7	Improvement of fertilizer use efficiency	23	Use of biostimulants
Fertilizer application_	7	Improvement of fertilizer use efficiency	24	Fertigation
Fertilizer application	8	Use of organic fertilizers	25	Use of manure digestates
Fertilizer application	8	Use of organic fertilizers	26	Use of organic liquid fertilizers
Fertilizer application_	8	Use of organic fertilizers	27	Use of animal manure
Fertilizer application	8	Use of organic fertilizers	28	Use of green manure
Fertilizer application	8	Use of organic fertilizers	29	Compost application
Fertilizer application	88	Use of organic fertilizers	30_	Residue retention





Category of Practices	Туре	Type of practices	Code	Practices
Pests and diseases control	9	Integrated pest control	31	Use of biocontrol organisms
Pests and diseases control	9	Integrated pest control	32	Mechanical weed control
Water management	10	Irrigation practices	33	Use of sprinklers and sprays
Water management	10	Irrigation practices	34	Use of drip irrigation
Water management	10	Irrigation practices	35	Subsurface irrigation
Water management	11	Improvement of water use efficiency	36	Water harvesting and storage
Water management	11	Improvement of water use efficiency	37	Construction of water circulation channels
Water management	11	Improvement of water use efficiency	38	Surface scraping
Soil natural status conservation	12	Maintenance of original ecosystem	39	Avoid soil transformation (drainage, layer removal, deforestation)
Soil natural status conservation	13	Restoration of original ecosystem	40	Restore original vegetation before land use changes



Practices description





SSM recommended practices – case studies

Case studies template

Desc<mark>ript</mark>ion of the context

Description of the context		
Information	Value	Comments
Country (list)		
Nearest Location (municipality name)		
X Coordinates (Longitude; decimal degrees, 6 decimals)		
Y Coordinates (Latitude; decimal degrees, 6 decimals)		
Climate type IPCC (List)		
Mean Total annual ra infall (mm) *optional		
Mean Annual temperature (°C) *optional		
Mean total annual evapotranspiration (mm) *optional		
Elevation (m)		
Predominant Slope class (List)		
Soil Type (List)		
Soil Texture (List)		
Land use (List)		
Main Crop(s) (List)		
Number of hectares		

- > Description of the context
- Recommended practice included in the case study
- Equipment, tools and materials needed to implement the recommended practice
- Description of the profile or labour needed
- Item (laboratory analysis, machinery rental, etc)
- > Step description
- SSM indicator
- Additional indicator
- Other expected benefits of the recommended practice
- Other expected applications of the recommended practice
- Barriers identified for the implementation of the recommended practice

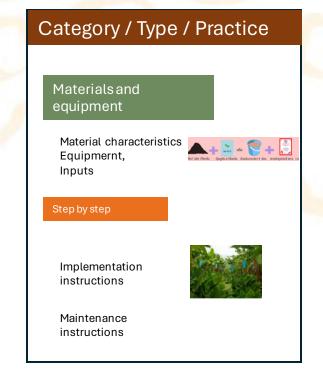


SSM recommended practices – format

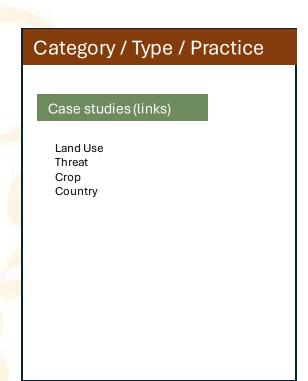


SSM recommended practices – format













Global Soil Doctors Programme

Network collaboration









