

Digital Soil Map for Nepal

Project Title: P1229 - Nepal Seed and Fertilizer (NSAF)

Description of the innovation: Online resource was prepared using soil information from 23,273 soil samples collected from the National Land Use Project, Central Agricultural Laboratory and Nepal Agricultural Research Council. The samples were collected from 56 districts covering seven provinces. These soil properties were combined with environmental covariates (soil forming factors) derived from satellite data and spatial predictions of soil properties were generated using advanced machine learning tools and methods. <https://www.cimmyt.org/news/nepal-launches-digital-soil-map/>

New Innovation: Yes

Stage of innovation: Stage 4: uptake by next user (USE)

Innovation type: Research and Communication Methodologies and Tools

Geographic Scope: National

Number of individual improved lines/varieties: <Not Applicable>

Country(ies):

- Nepal

Outcome Impact Case Report: <Not Defined>

Description of Stage reached: These soil maps will not only help to increase crop yields, but also the nutritional value of these crops, which in return will help solve problems of public health such as zinc deficiency in Nepal's population

Name of lead organization/entity to take innovation to this stage: NARC - Nepal Agricultural Research Council

Names of top five contributing organizations/entities to this stage: <Not Defined>

Milestones:

- Women and youth participation across the maize seed value chain promoted; Information generated and documented on technology adoption patterns and key drivers to design marketing strategies (linkage with FP1).

Sub-IDs:

- 8 - More efficient use of inputs

Contributing Centers/PPA partners:

- CIMMYT - Centro Internacional de Mejoramiento de Maíz y Trigo / International Maize and Wheat Improvement Center

Evidence link:

- <https://www.cimmyt.org/news/nepal-launches-digital-soil-map/>

Deliverables associated:

- D6252 - Adaptability Trials of Hybrid maize (**Not disseminated**)

Contributing CRPs/Platforms:

- Maize - Maize