

Overview of Technical Analyses by the Core Team after the 1st Workshop in Zaghouan, November 2016

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System-based Options by Context



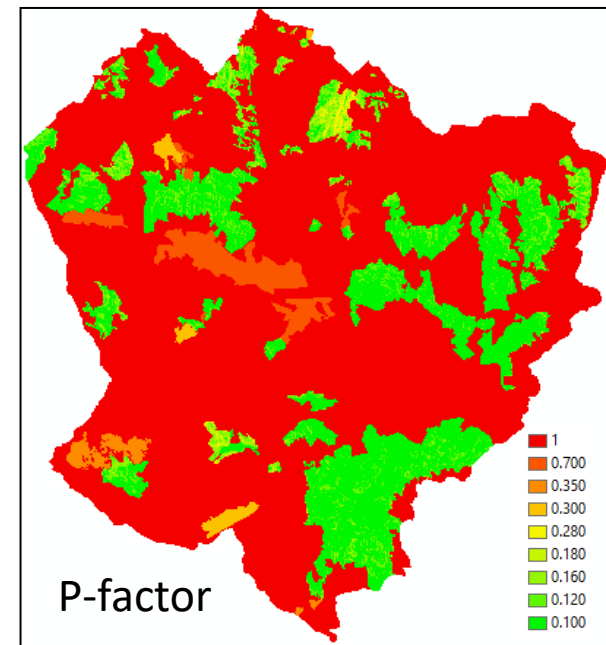
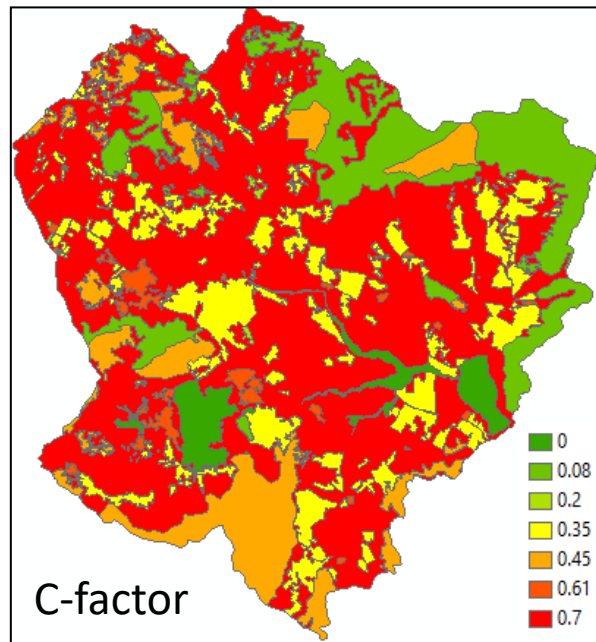
A tool for better investment
decisions in agriculture and
rural development

Projet financé par la GIZ

“Evaluation de l’impact des options de GDT pour l’atteinte de la Neutralité
en matière de Dégradation des Terres”

- Land use/cover: Improved/rectified by using Google Earth
- Mapping current Soil Water Conservation (SWC) practice: Digitized based on Google Earth
- Cover (C) and management (P) factors:
 - C-factor: calculated based on the improved land use/cover map
 - P-factor: calculated based on SWC map
- K factor calculated based on soil Organic Matter (OM) and soil texture (sand : silt : clay) (see next slide)

Maps of current cover (C) and Management (P) factors

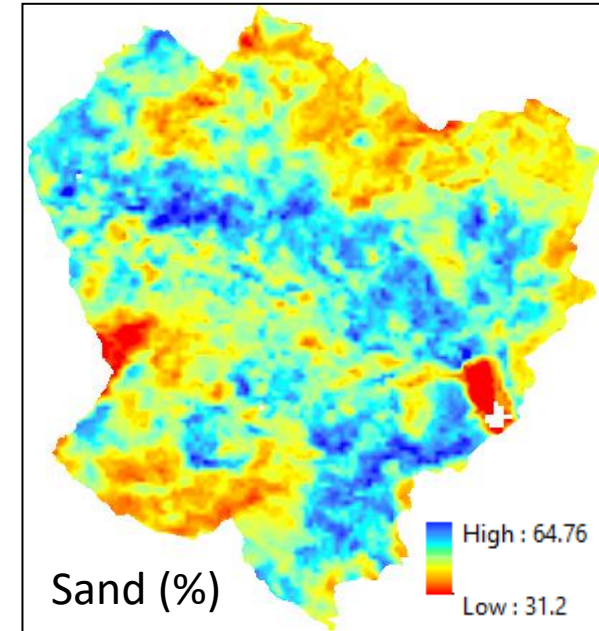
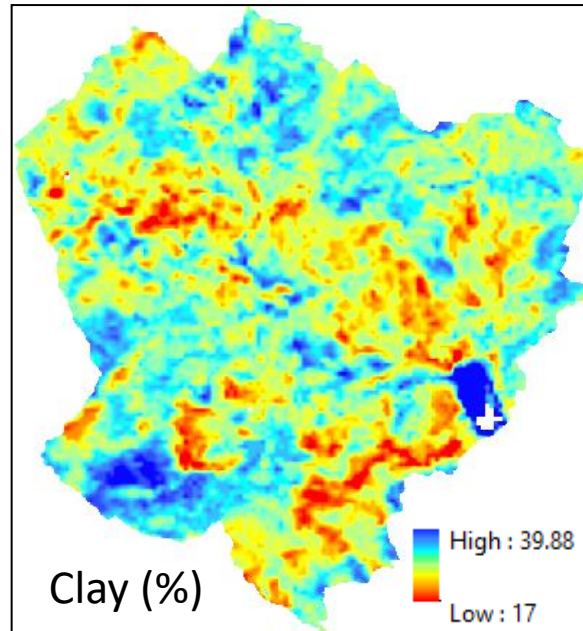
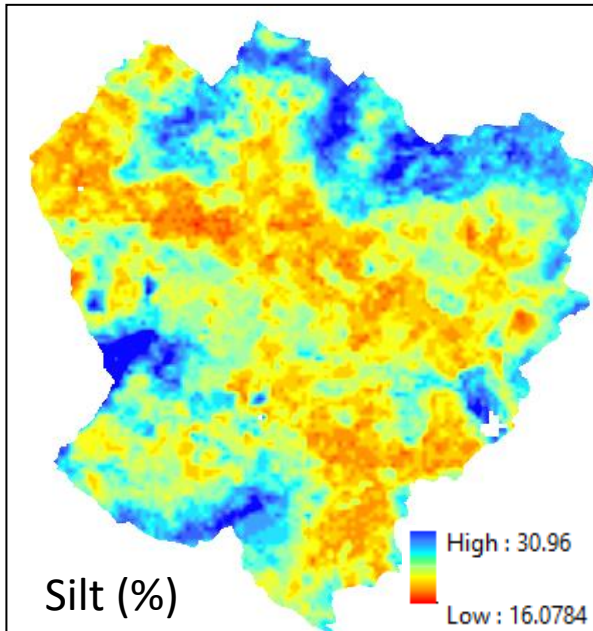
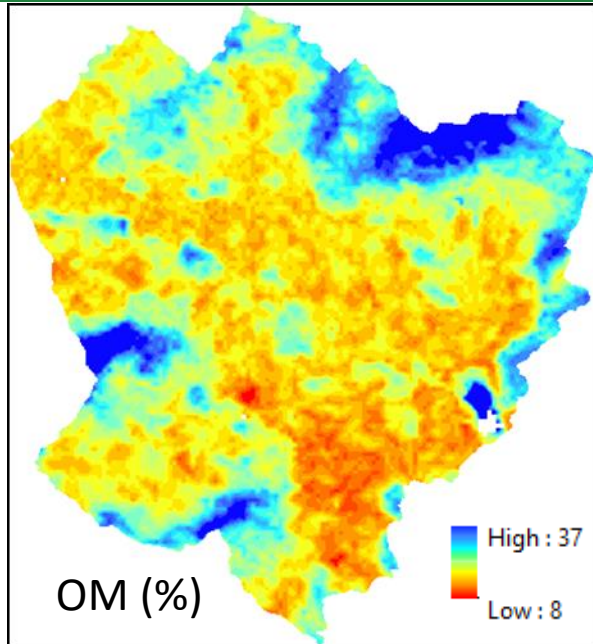


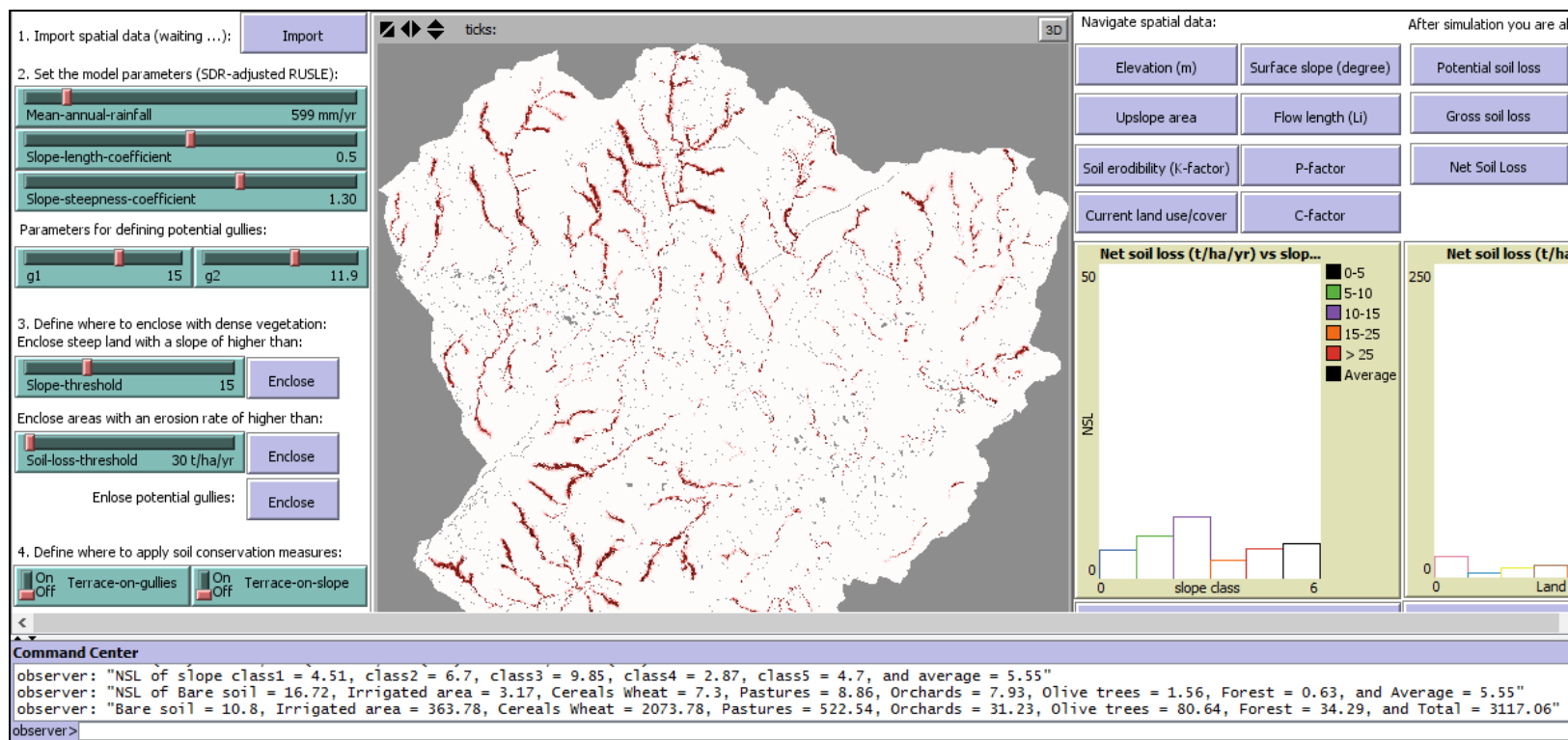
Calculation of soil erodibility (K factor)

K factor calculated based on soil Organic Matter (OM) and soil texture (sand : silt : clay):

$$K = \frac{[2.1M^{1.14}(10^{-4})(12 - OM)]}{7.59}$$

$$M = ((\% \text{silt} + \% \text{sand}) \times 100 - \% \text{clay})$$





- iLAMPT: integrated Landscape Management Planning Tool
- Updated parameters
- Incorporated SWC options identified in the 1st workshop