The Soil is Alive!

The Spatial Scale of Soil Biodiversity Functions

Global level:
- Biogeochemical cycles (organic matter mineralization, nitrogen fixation, etc);
- Value of future possible but as yet unknown uses or functions associated with some aspects of soil diversity.

Regional/national level:
- Ensure short term and long term resilience of food security;
- Increases the aesthetic appeal of rural landscapes, assuming a positive relation between below- and above-ground diversity.

Farm level:
- Contributes to the productive capacity of the system by ensuring the mineralisation of nutrients from organic resources and nitrogen fixation;
- Buffers the functions of the soil and their resilience to climatic and environmental risks.

(Modified from Izac A.M.)