

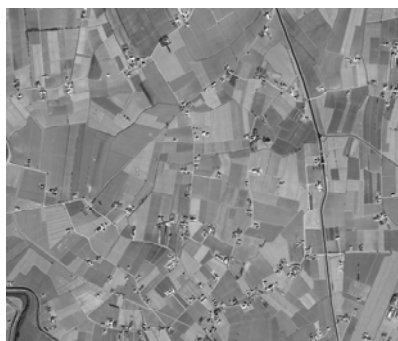


THE SPATIAL SCALE OF SOIL BIODIVERSITY FUNCTIONS



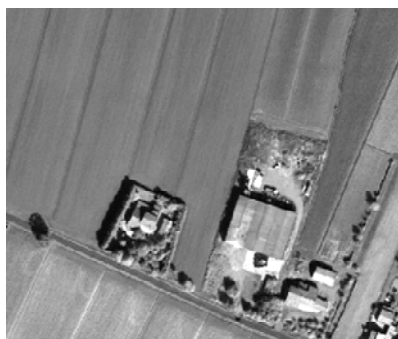
Global level:

- 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.)