



World
Soil Day

MOVIE NIGHT

05.12.2019

UFT

Room 1790

4 pm

Free entrance!



Who am I? ¹

Soils support many aspects of our daily live. Water storage and purification, climate protection, and provision of food are only few of the many ecosystem services. At the same time, they are severely threatened. Every 5 seconds, the equivalent of one soccer field of soil is eroded!

#STOP SOIL EROSION

Is the topic of this year's world soil day. Do you want to know more about theses precious ecosystems? Then come around and become fascinated! There will be snacks ☺

AG Filser (General & Theoretical Ecology)



5 IMPACTS OF SOIL EROSION

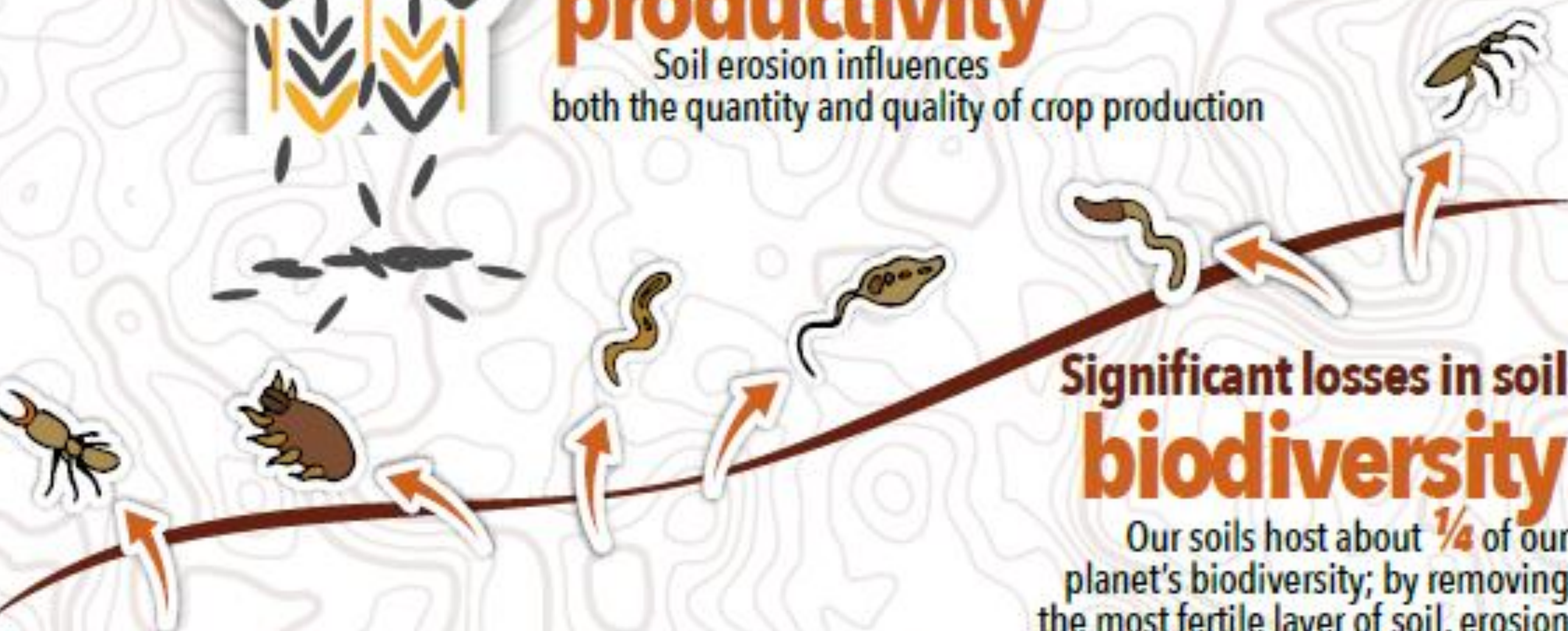
Decreased soil **health** and **productivity**

Soil erosion influences both the quantity and quality of crop production



Significant losses in soil **biodiversity**

Our soils host about $\frac{1}{4}$ of our planet's biodiversity; by removing the most fertile layer of soil, erosion causes a soil biodiversity decline



Limited response to

climate change

By displacing organic carbon, soil erosion decreases the soil's potential to mitigate and adapt to climate change

RELEASE

TRANSPORT OF SOC

RELEASE

RELEASE

Increased risk of **landslide** and **flooding**

Soil erosion can affect the infiltration, storage and drainage of water in the soil, which amplifies hydrogeological risk



Increased risk of soil and water

pollution

Soil particles displaced by wind and water can lead to off-site soil and water pollution which has implications on our health



Food and Agriculture
Organization of the
United Nations