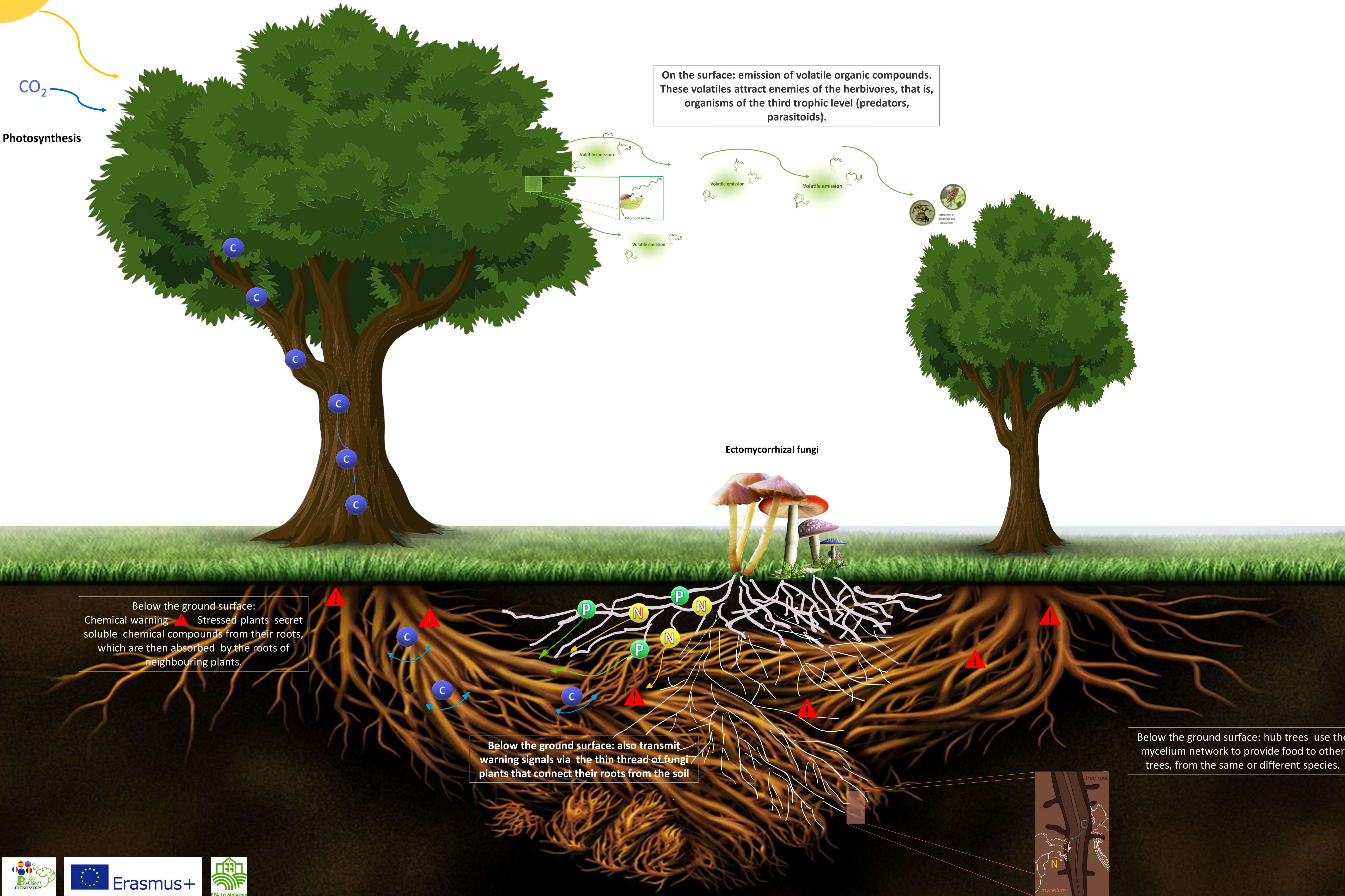


Plant communication. How it works



On the surface: emission of volatile organic compounds. These volatiles attract enemies of the herbivores, that is, organisms of the third trophic level (predators, parasitoids).

Photosynthesis

CO₂

C
C
C
C
C
C

Ectomycorrhizal fungi

Below the ground surface: Chemical warning Stressed plants secrete soluble chemical compounds from their roots, which are then absorbed by the roots of neighbouring plants.

Below the ground surface: also transmit warning signals via the thin thread of fungi plants that connect their roots from the soil

Below the ground surface: hub trees use the mycelium network to provide food to other trees, from the same or different species.

