SOIL CARBON SEQUESTRATION THE SOLUTION UNDER OUR FEET



O@GMAIL.COM

The main gas producing the greenhouse effect

(1 Gt = 1 billion metric tons)



of volcanic soils accumulating 4 million tons of Carbon

of organic Carbon stored in the soil

Volcanic soils sequester Carbon

TIMES MORE

non-volcanic

than soils

Without the control exercised by the soil, over



of carbon per year could be released into the atmosphere



i77.000.000.000.000.000 kilos per vear W00000W!

LITTER FALL **ROOT BIOMASS DECAYING PLANTS AND** ANIMALS THE CARBON ENERGY FOR SOIL MICROORGANISMS

BACTERIA

AND FUNGI

ORGANIC MATER

EU GREEN ----

WEEK 2021

DECOMPOSER OF SOIL

SOIL IS THE SECOND MOST IMPORTANT CARBON SINK ON THE PLANET (AFTER THE MARINE SEDIMENT)

HE FIRST TERRESTRIAL CARBON SINK AFTER MARINE SEDIMENTS AND OCEANS

CARBO

CLAYS CLAYS MINERALS: FINE PARTICLES PLAYING A **KEY ROLE IN NUTRIENT RESERVES AND** ORGANIC MATTER **PROTECTION AGAINST** DECOMPOSITION

HUMUS

PLANT LITTER, ROOTS BIOMASS AND GUNFAL TISSUES TRANSFORMED BY SOIL MICROORGANISMS