

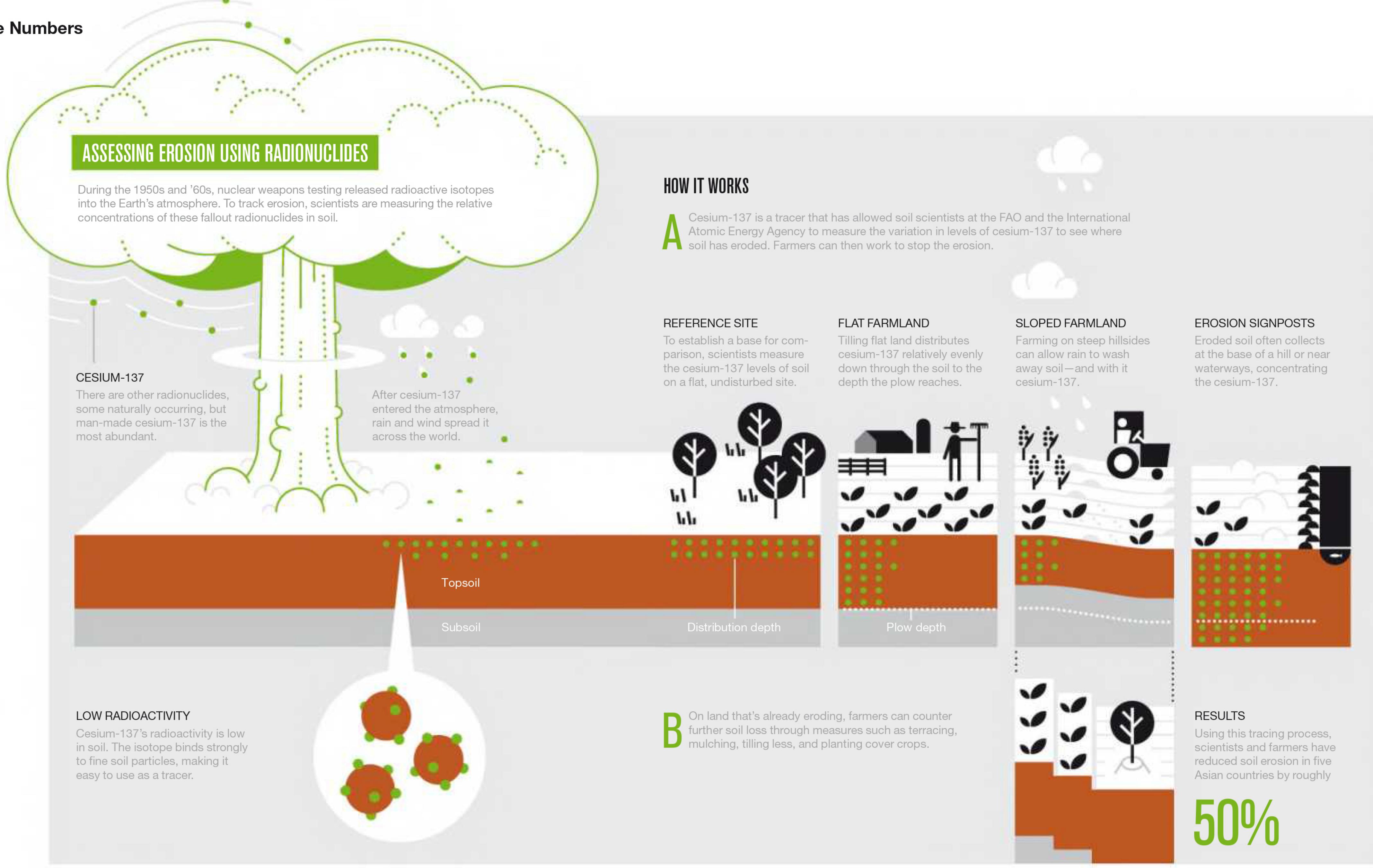
## Saving Soil

World Soil Day is celebrated every December 5. Soil, in which nearly all our food grows, is a living resource that takes years to form. Yet it can vanish in minutes, says Ronald Vargas of the United Nations Food and Agriculture Organization (FAO).

Each year 75 billion tons of fertile soil are lost to erosion. That's alarming—and not just for food producers. Soil can trap huge quantities of carbon dioxide in the form of organic carbon and prevent it from escaping into the atmosphere.

"If we protect and sustainably manage soils," says Vargas, "we can combat climate change." —*Kelsey Nowakowski* 

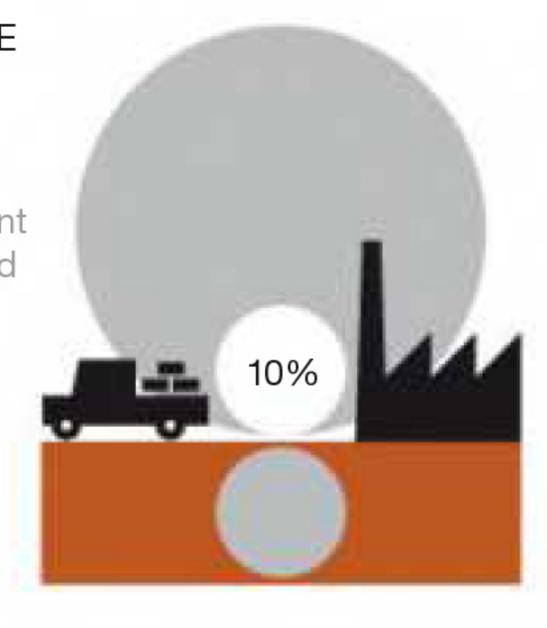




## AVERAGE SOIL COMPOSITION 45% Minerals 25% Water 5% Organic matter OF THE WORLD'S SPECIES LIVE IN SOIL.

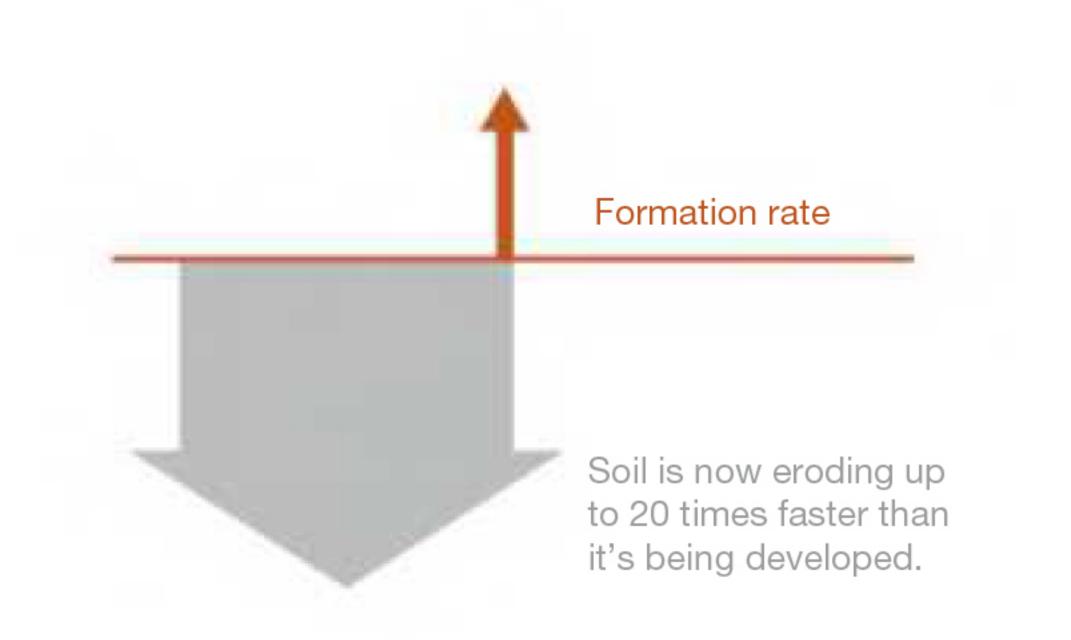
## CARBON CAPTURE

Over the course of 25 years healthy soils can absorb an estimated 10 percent of human-generated carbon emissions.



## A DWINDLING RESOURCE

Poor land management, urbanization, and climate change are making soils more prone to erosion. Population growth increases pressure on farmlands.





Since 1960 one-third of the world's arable land has been lost to erosion.