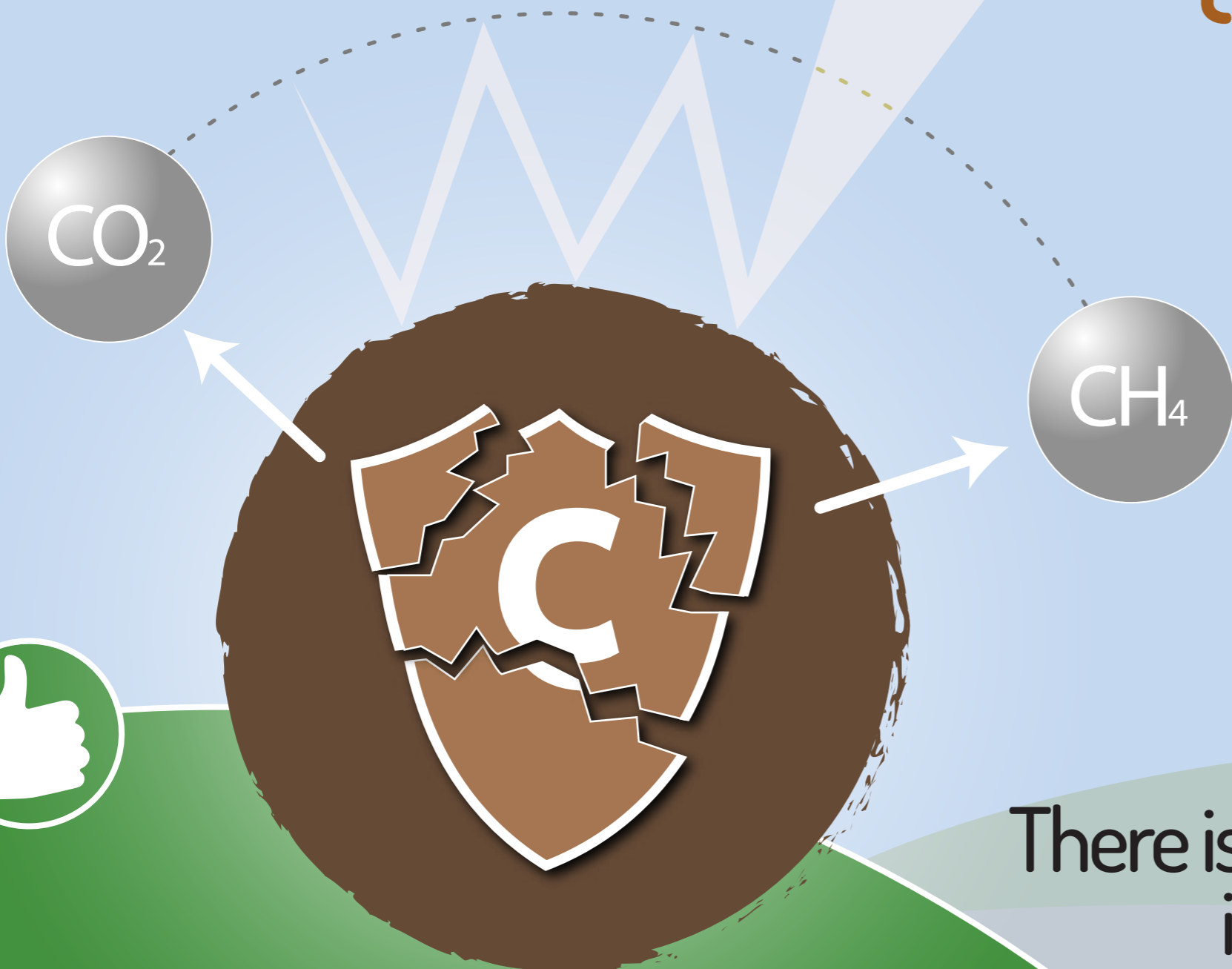




Food and Agriculture
Organization of the
United Nations

Soil organic carbon (SOC) loss



Decline of organic carbon stock in the soil affects its fertility status and climate change regulation capacity.

Approximately 1 417 billion tonnes of SOC are stored in the first meter of soil and about 2 500 billion tonnes at two meters soil depth. The global loss of the SOC pool since 1850 is estimated at about 66 billion tonnes (± 12), mainly caused by land use change.



World
Soil Day
2016

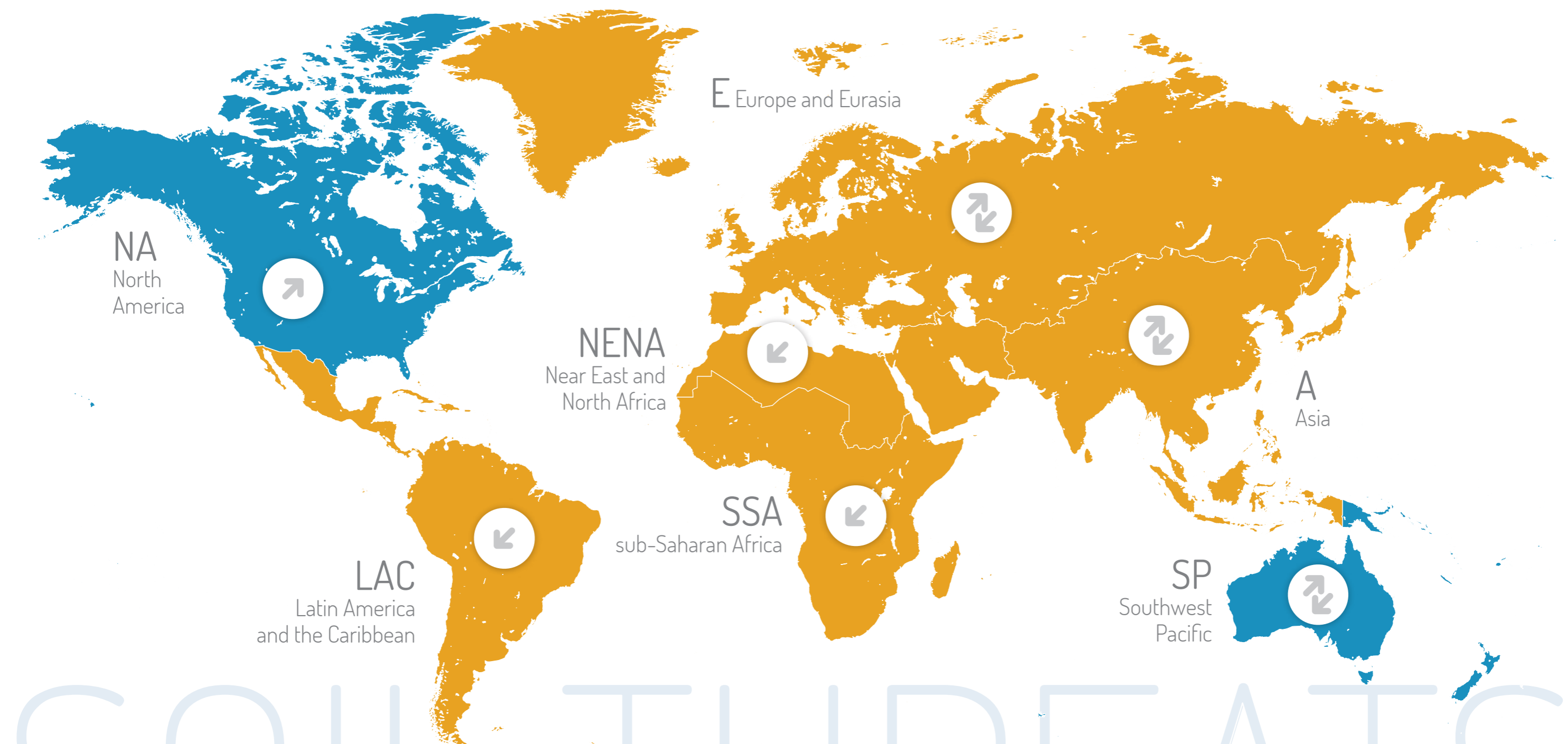


GLOBAL SOIL
PARTNERSHIP

There is more organic carbon
in the soil than there is
in the vegetation
and atmosphere
combined

SUSTAINABLE SOIL MANAGEMENT FOSTERS
CO₂ SEQUESTRATION, BOOSTS SOIL HEALTH
AND CONTRIBUTES TO ACHIEVING THE SDGs,
ESPECIALLY CLIMATE CHANGE ADAPATATION AND MITIGATION

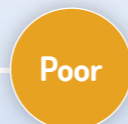
SOURCE: STATUS OF THE WORLD'S SOIL RESOURCES - MAIN REPORT



SOIL THREATS

Soil organic carbon loss

Condition



Trend



Improving

Deteriorating

Variable

Stable