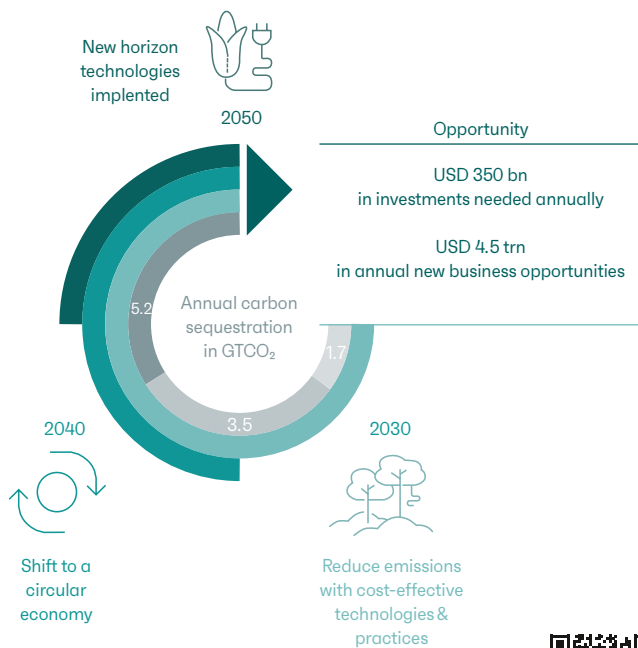


Roadmap for achieving net-zero emissions in global food systems by 2050



Investing to transform global food systems

responsAbility Investments AG

Global food systems account for nearly 35% of global GHG emissions. responsAbility and scientists from CGIAR developed a decarbonization roadmap built on science-based targets:

By 2030: Cost effective technologies and practices such as regenerative agriculture are implemented reducing emissions and sequestering 1.7gt of CO₂ annually.

By 2040: A shift to a circular economy has resulted in more renewable energy usage, more peri-urban agriculture, and an increase in electric transportation. Annual carbon sequestration has risen to 3.5gt.

By 2050: New horizon technologies have negative emissions and novel plants add to the annual 5.2gt of CO₂ sequestered. Energy efficiency is enhanced for all segments of food value chains.

The transition to net zero food systems requires USD 350 bn in capital annually, offering extensive investment opportunities along the full value chain of global food systems.