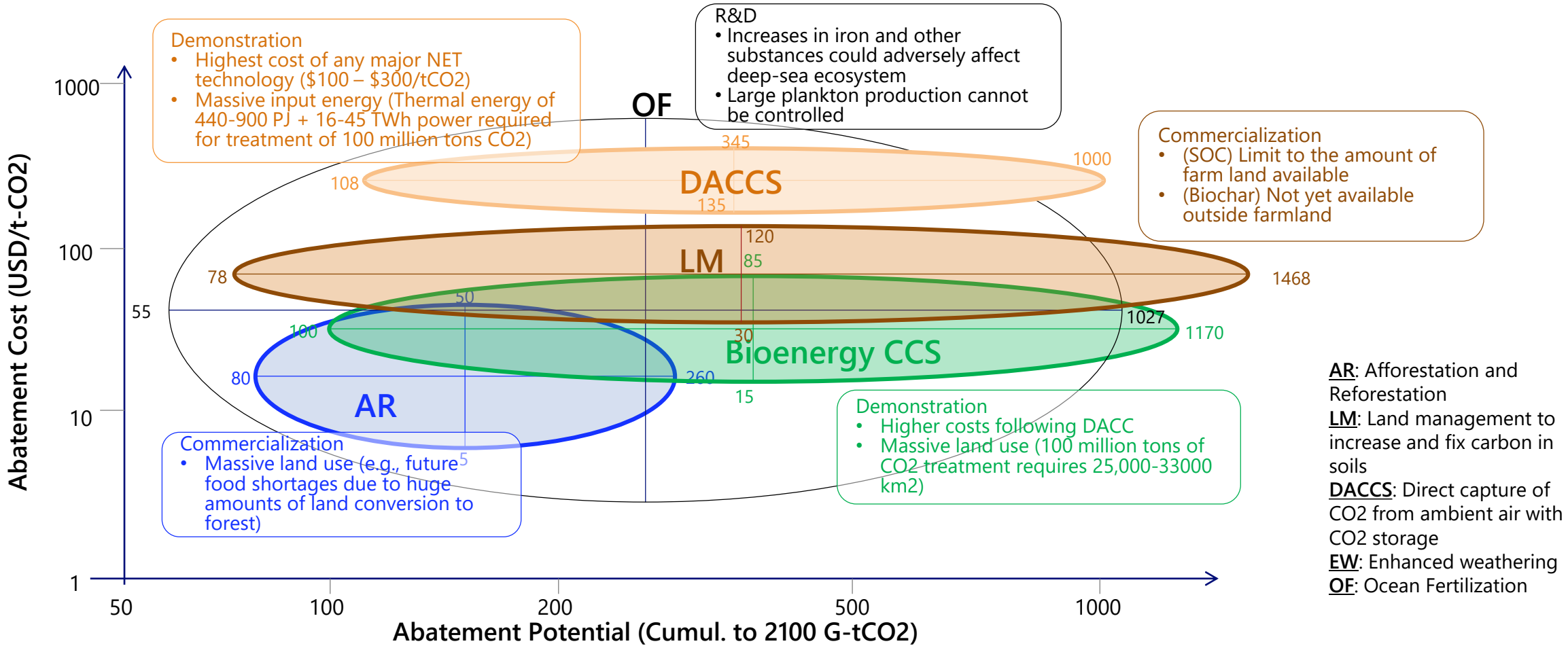
Technology trends

- Currently, demonstrated DACCS and Bioenergy CCS could potentially reduce cost.

Abatement Potential and Cost of Key Negative Emission Technologies



AR: Afforestation and Reforestation
LM: Land management to increase and fix carbon in soils
DACCS: Direct capture of CO2 from ambient air with CO2 storage
EW: Enhanced weathering
OF: Ocean Fertilization

Source: EASAC (2018) "Negative emission technologies: What role in meeting Paris Agreement targets?"
IEA "Special Report on Carbon Capture Utilization and Storage CCUS in clean energy transitions"。

Technology trends

- Innovations to solve the challenges of DACCS and Bioenergy CCS.
- Development of a new system in business and resource recycling is required.

Key challenges and solutions in Negative Emission Technologies