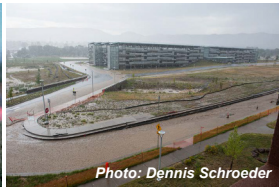


Why carbon dioxide removal from the atmosphere? ⁽¹⁾

- Critical to stop the increase of atmospheric greenhouse gas levels and their devastating impacts of climate change



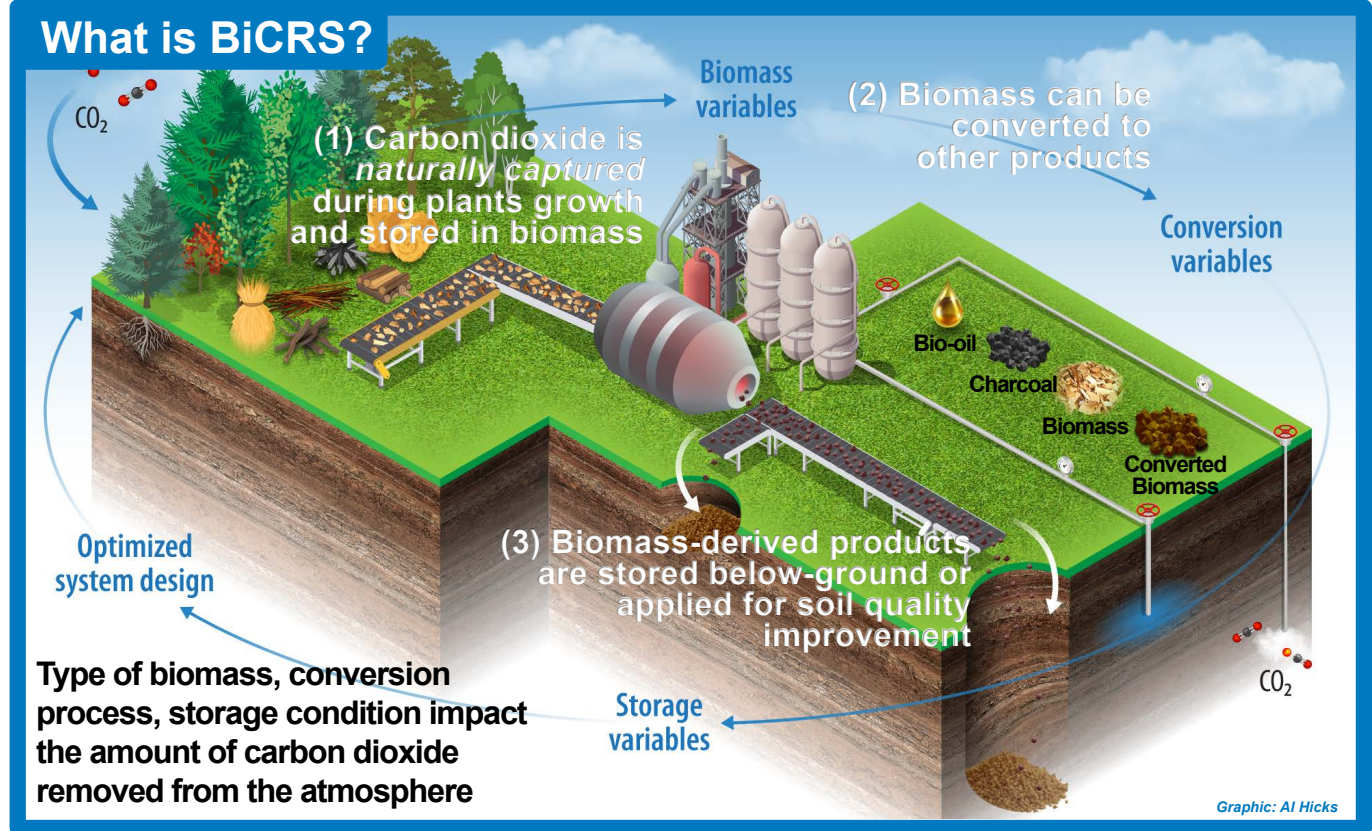
- A tool to address emissions from industrial sectors that are challenging to reduce

What is Biomass? ⁽²⁾

- Renewable organic materials from plants and animals
- Contains energy from the sun and can be burned directly for heat or converted to liquid and gaseous fuels through various process
- Types of biomass used for BiCRS are forest residues, crop residues, wastes

The challenge for BiCRS

- Lack of data and standards to quantify and verify permanent carbon removal



Research goals

- Generate **experimental data** to enable quantification of carbon removal
- Develop guidelines, best practices, and platform for **Measuring, Monitoring, Reporting, and Verifying (MMRV)** of permanent carbon storage

Broader impacts

- Create good-paying **jobs** that build on the skillsets of existing industry workforce
- Prioritize **community benefits, engagement**