Greenhouse gases from agriculture: processes and sources IAEA Scientific Forum Nuclear Technology for Climate

Mitigation, Monitoring, Adaptation

18-19 September 2018

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Globally averaged greenhouse gas concentrations

Source: http://www.ipcc.ch/report/graphics/index.php?t=Assessment%20Reports&r=AR5%20-%20Synthesis%20Report&f=Topic%201

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Global Greenhouse Gas Emissions



Source: https://www.epa.gov/ghgemissions/global-greenhouse-gas-emissions-data





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Mitigation Options

Enhance Carbon Storage
peatland protection, rewetting



Climate-Smart Agricultural Practices
optimize supply of nutrients and water

Soil Amendments
Inhibitors, biochar

"The Nation that destroys its soil destroys itself." Franklin D. Roosevelt, 1937