



NO-OAE



OAE

$p\text{CO}_2$ drawdown
by biology

in $\mu\text{atm yr}^{-1}$:

European EEZ: 20.9

US EEZ: 65.0

Chinese EEZ: 12.9

Global: 43.6

Changes in biological $p\text{CO}_2$ drawdown caused by CSE (biological responses)

+ 0.2 $\mu\text{atm yr}^{-1}$

- 4.5 $\mu\text{atm yr}^{-1}$ *

+ 1.0 $\mu\text{atm yr}^{-1}$ *

-1.4 $\mu\text{atm yr}^{-1}$

European EEZ
16.4 $\mu\text{atm yr}^{-1}$

US EEZ
50.6 $\mu\text{atm yr}^{-1}$

Chinese EEZ
4.9 $\mu\text{atm yr}^{-1}$

Global
41.5 $\mu\text{atm yr}^{-1}$

-0.1 $\mu\text{atm yr}^{-1}$ *

0.0 $\mu\text{atm yr}^{-1}$

-0.9 $\mu\text{atm yr}^{-1}$ *

+ 0.1 $\mu\text{atm yr}^{-1}$

Change in biological $p\text{CO}_2$ drawdown caused by different C system states