

## Readme for model code used in FReith et al., 2016

### 1. Folder 'Direct CO<sub>2</sub> injections'

The model code that is necessary to conduct the direct CO<sub>2</sub> injections can be found under the option "if defined O\_injection."

### 2. Folder 'CO<sub>2</sub> fert scaling'

To scale the sensitivity of vegetation to CO<sub>2</sub> use the option:

"F\_co2\_fertilization\_scaling". You will need to make sure that the file CO2\_fertilization\_scaling.h is in the mtlm folder for this to work. You will also need to tell the model how much to scale the fertilization effect by. To do this add the parameter "co2\_fert\_scale=" after the burn factor (BF) on the mtlm line in the control.in file. This code has been tested for scaling factors of 0.0, 0.5, and 1.5 (1.0 is the default with no scaling).