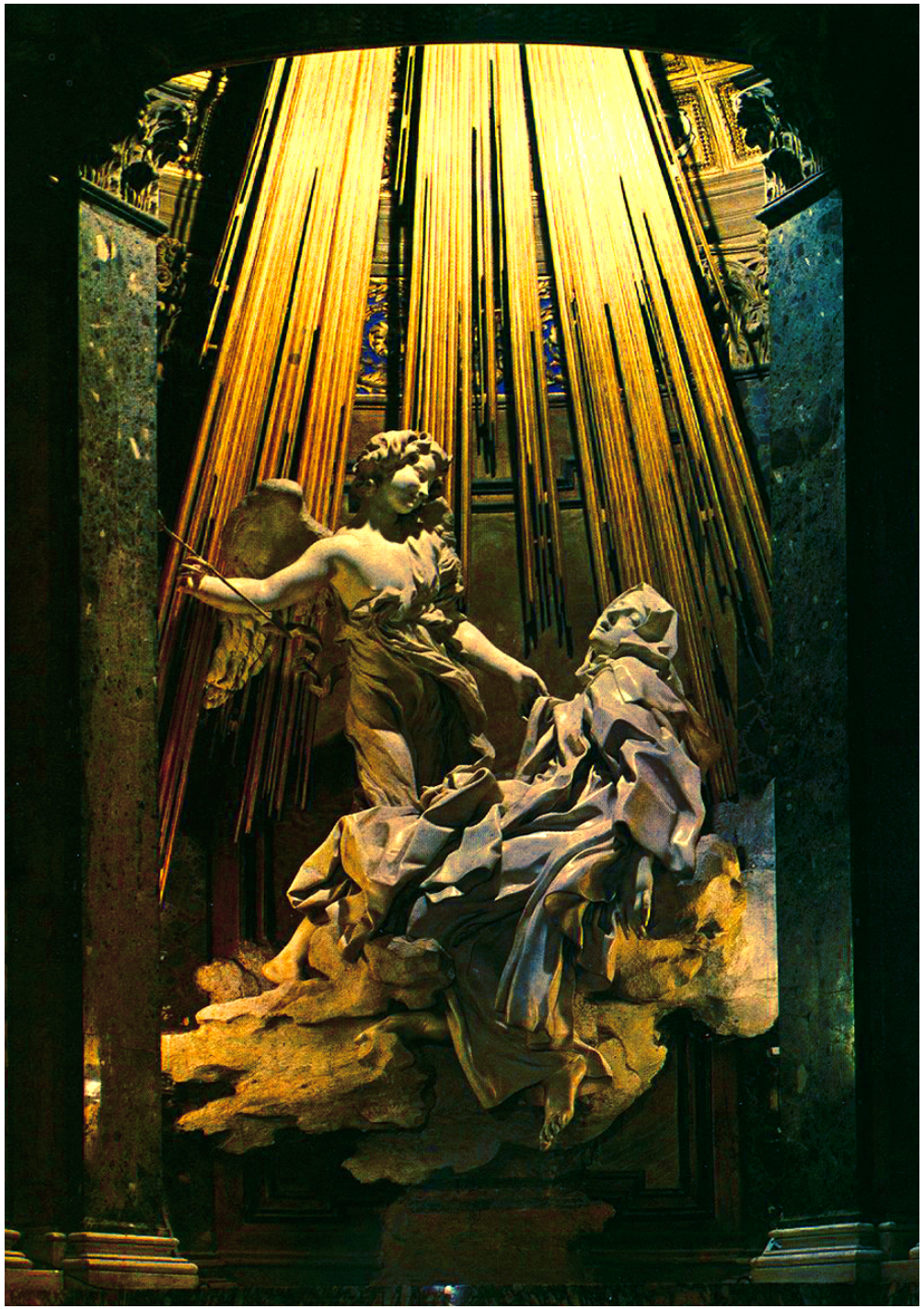

HELLO
my name is
Parker

Things I enjoy:

The sublime ecstasy of the divine.



Poodles performing in circus acts.

Sailboats.

&

Prophecies
of imminent
apocalypse.

About me:

I’m originally from New York City.

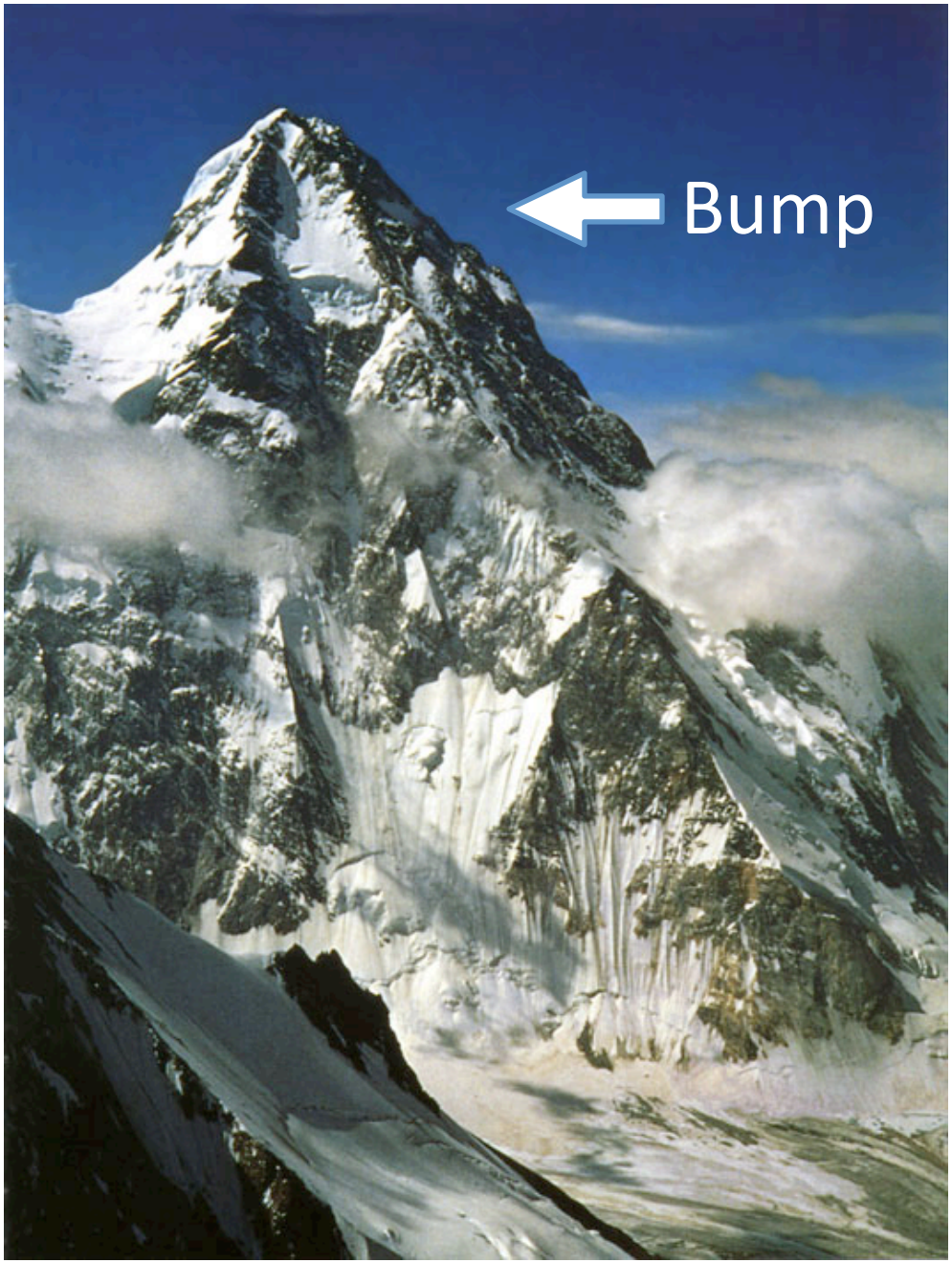
Now I'm working on my Master's
in Scott Denning's Group, here at CSU.

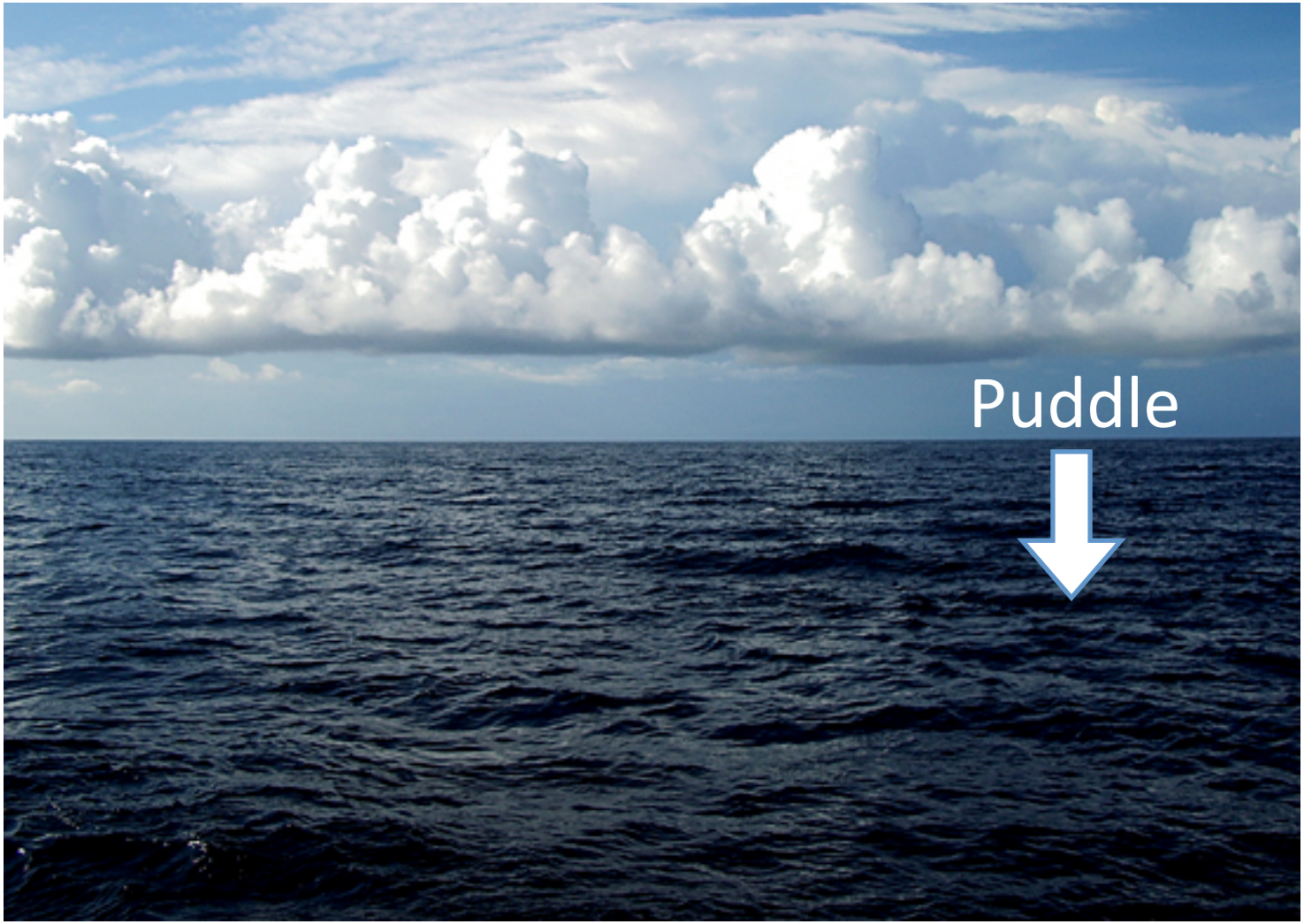
Did you know:

That the Earth is not a lifeless, undifferentiated sphere, over which the atmosphere circulates?

There are bumps!

But I don't work with those, not really.



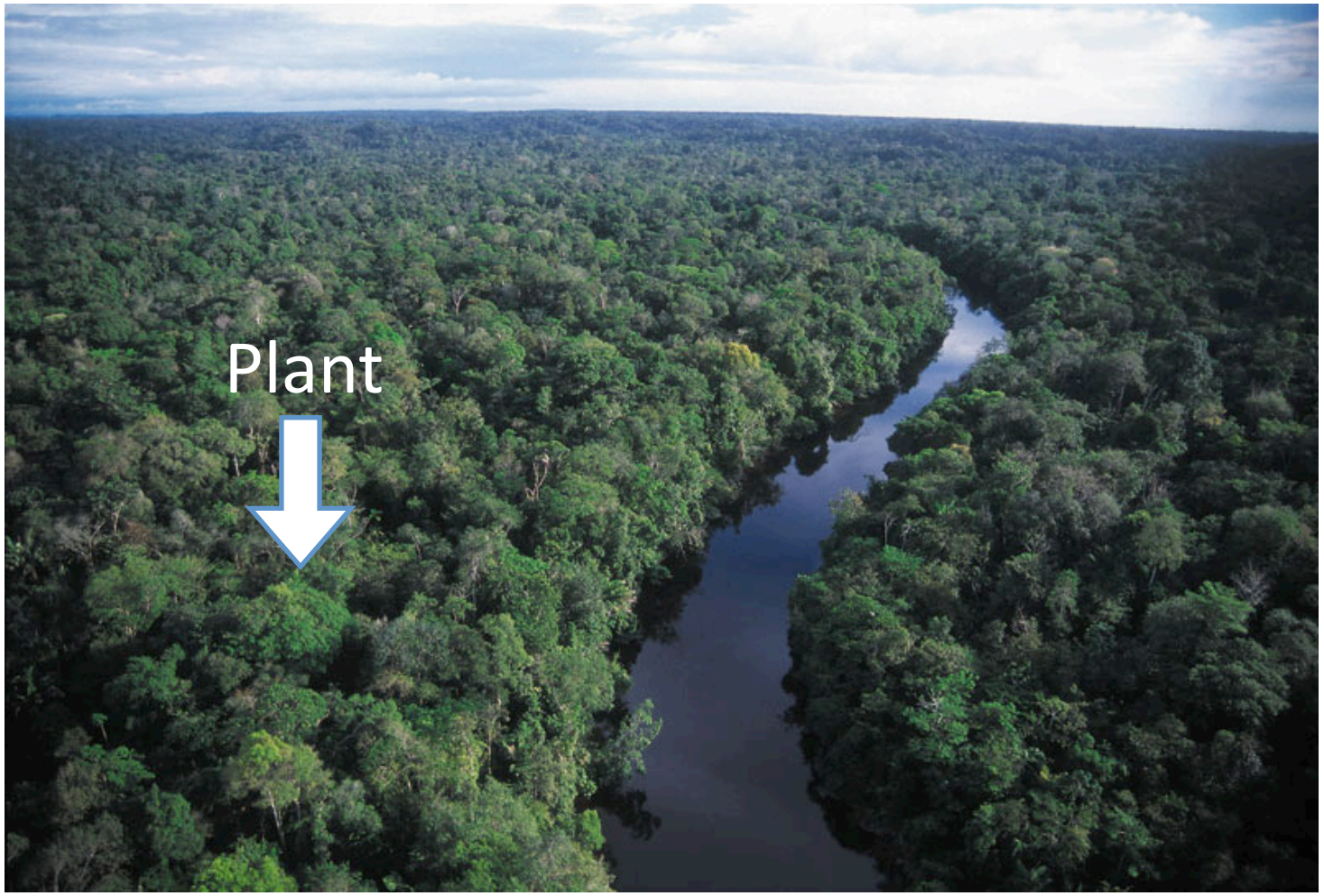


And Puddles!

Not those either, well maybe.

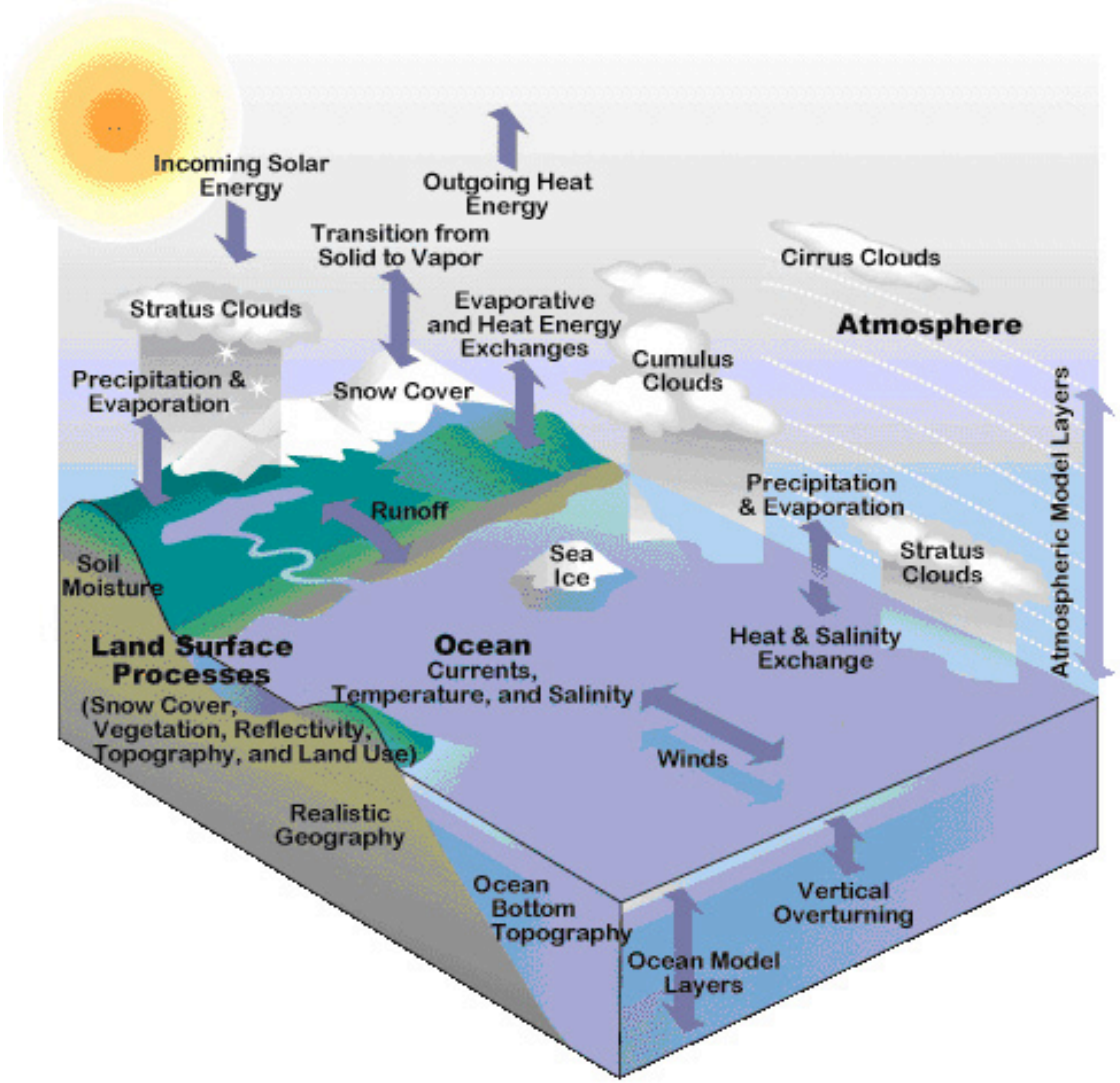
And Plants!

Those are the ones.



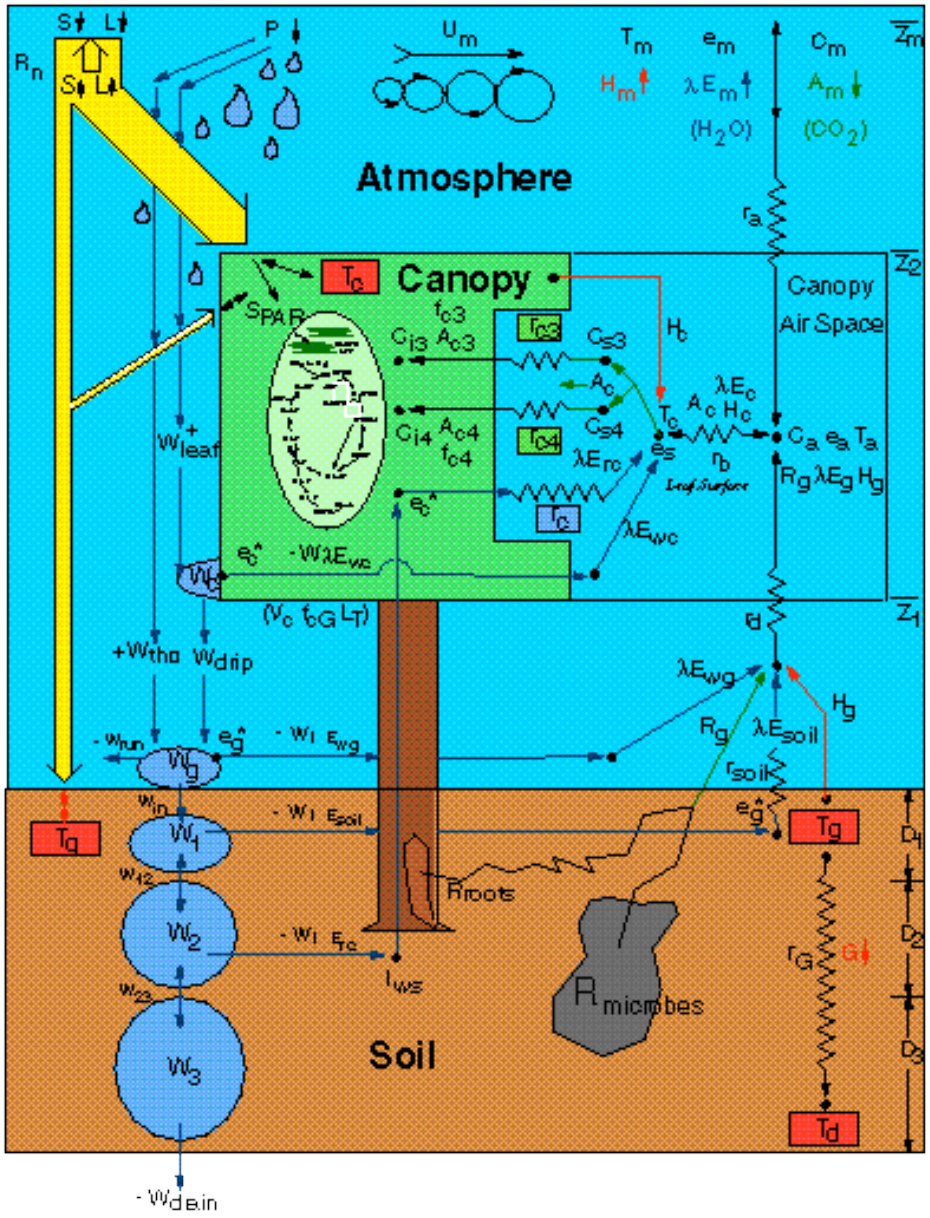
Perhaps also, some other things.

These things comprise the surface parameterization† of general circulation models (GCM).



†i.e. bottom

SiB2 *Simple Biosphere Model Version 2*



Our group represents plants, or to use the more familiar term: the terrestrial biosphere, using a model called the Simple Biosphere Model, it isn't.

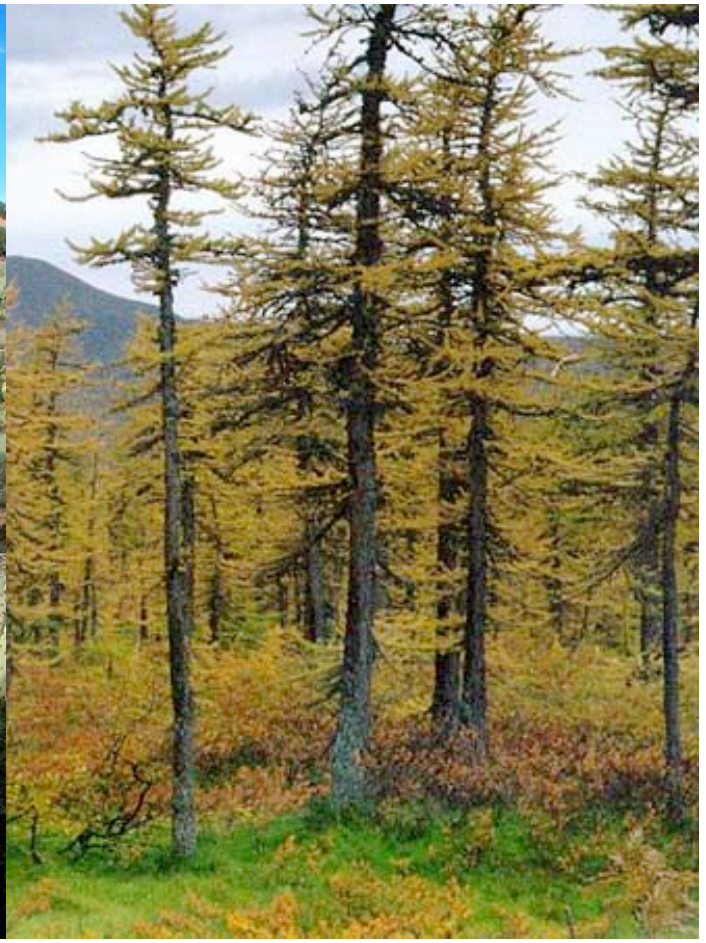
Also we usually call it SiB.

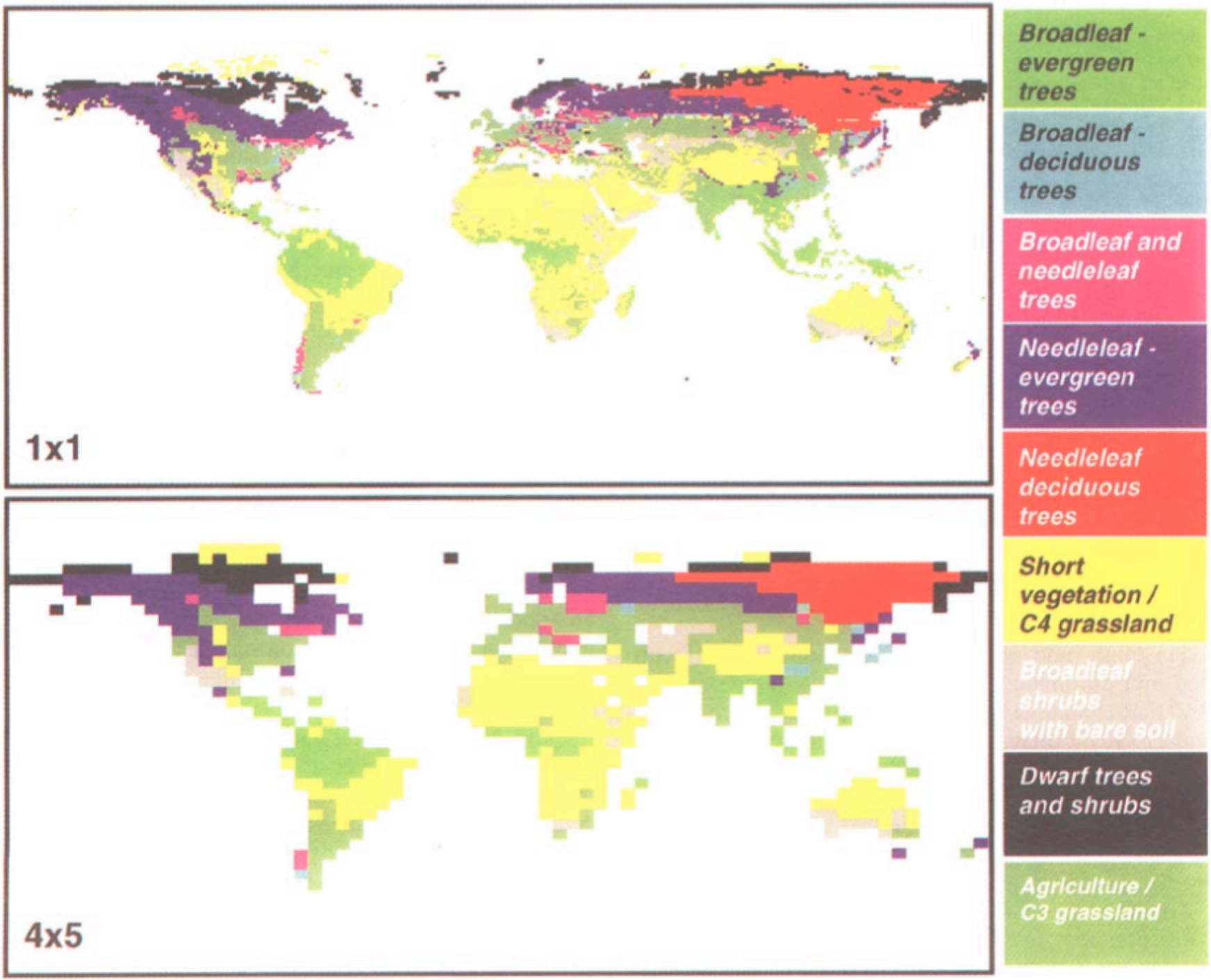
If you have further questions about how SiB works, go upstairs and ask Ian Baker, of whom photographs do not exist on the internet, lucky, that's what I would do.

Or maybe Piers Sellers, but you'd have to go to outer space to do that, 'cus he's a spaceman now.

Did you know:

That there are physiological and ecological differences between different plants?




1x1
4x5
Broadleaf - evergreen trees
Broadleaf - deciduous trees
Broadleaf and needleleaf trees
Needleleaf - evergreen trees
Needleleaf deciduous trees
Short vegetation / C4 grassland
Broadleaf shrubs with bare soil
Dwarf trees and shrubs
Agriculture / C3 grassland

What's missing?

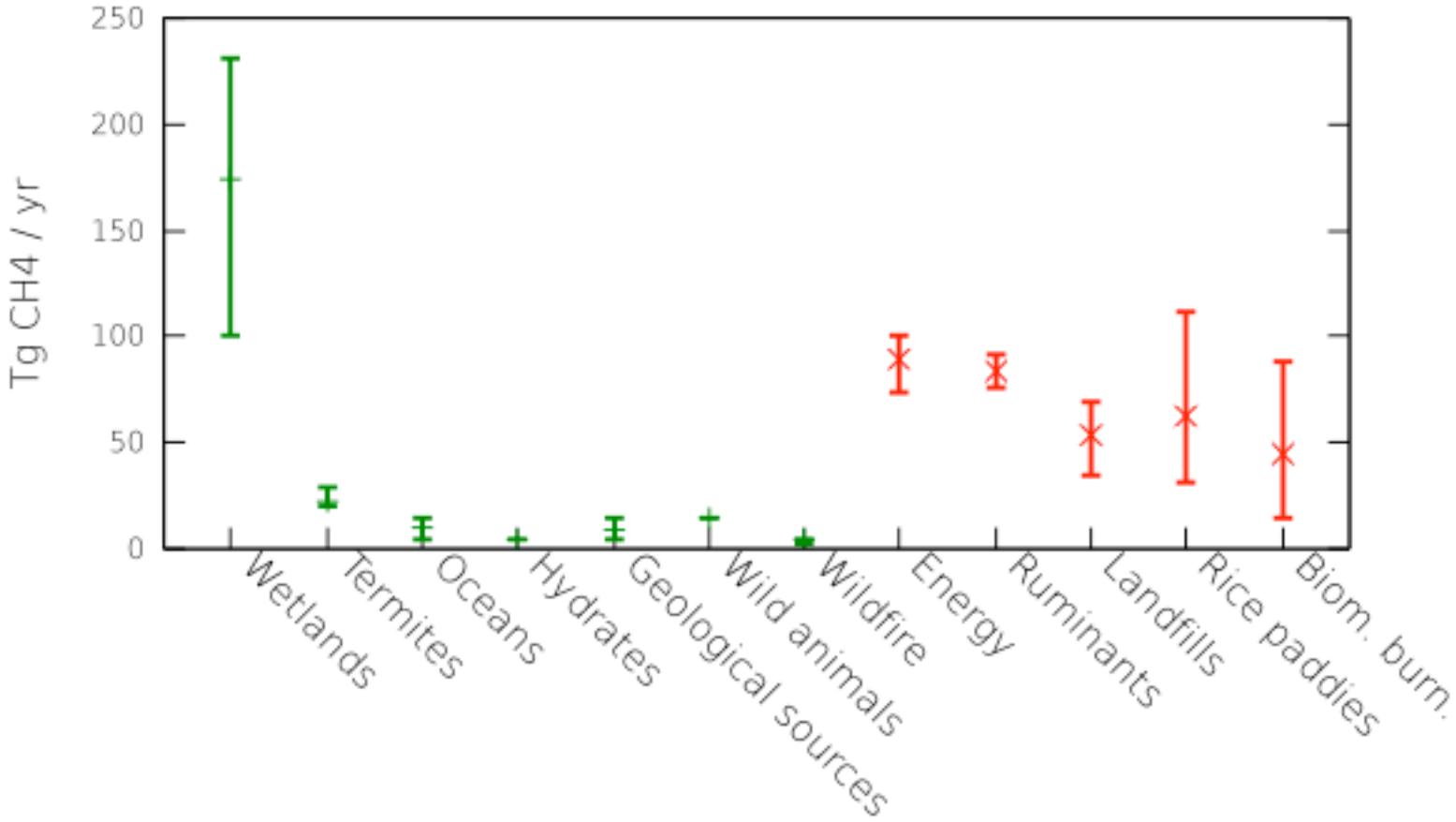
Wetlands, of course.

Wetlands, why wetlands?

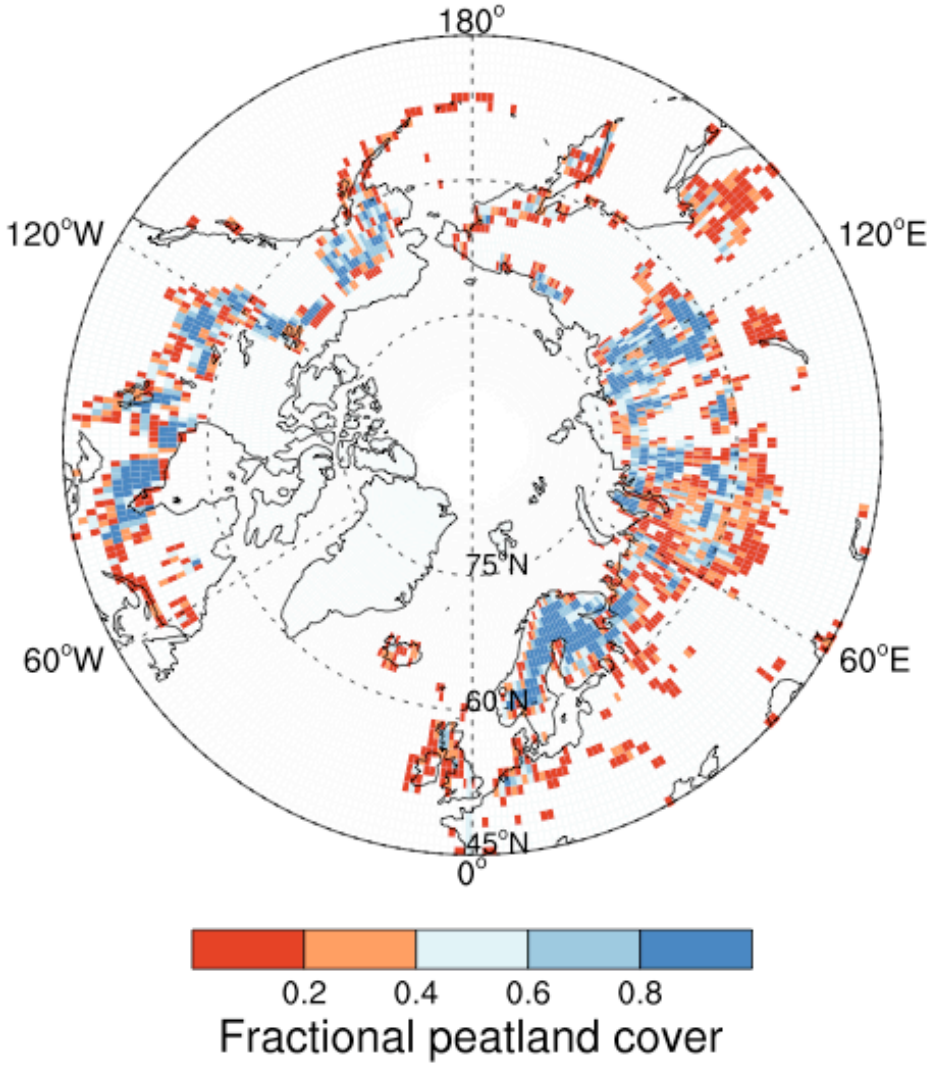
Wetlands also store labile carbon, which would, in upland environments, be decomposed and released as CO_2.

Wetlands have open water which evaporates more easily than ground water, contributing to the latent heat flux.

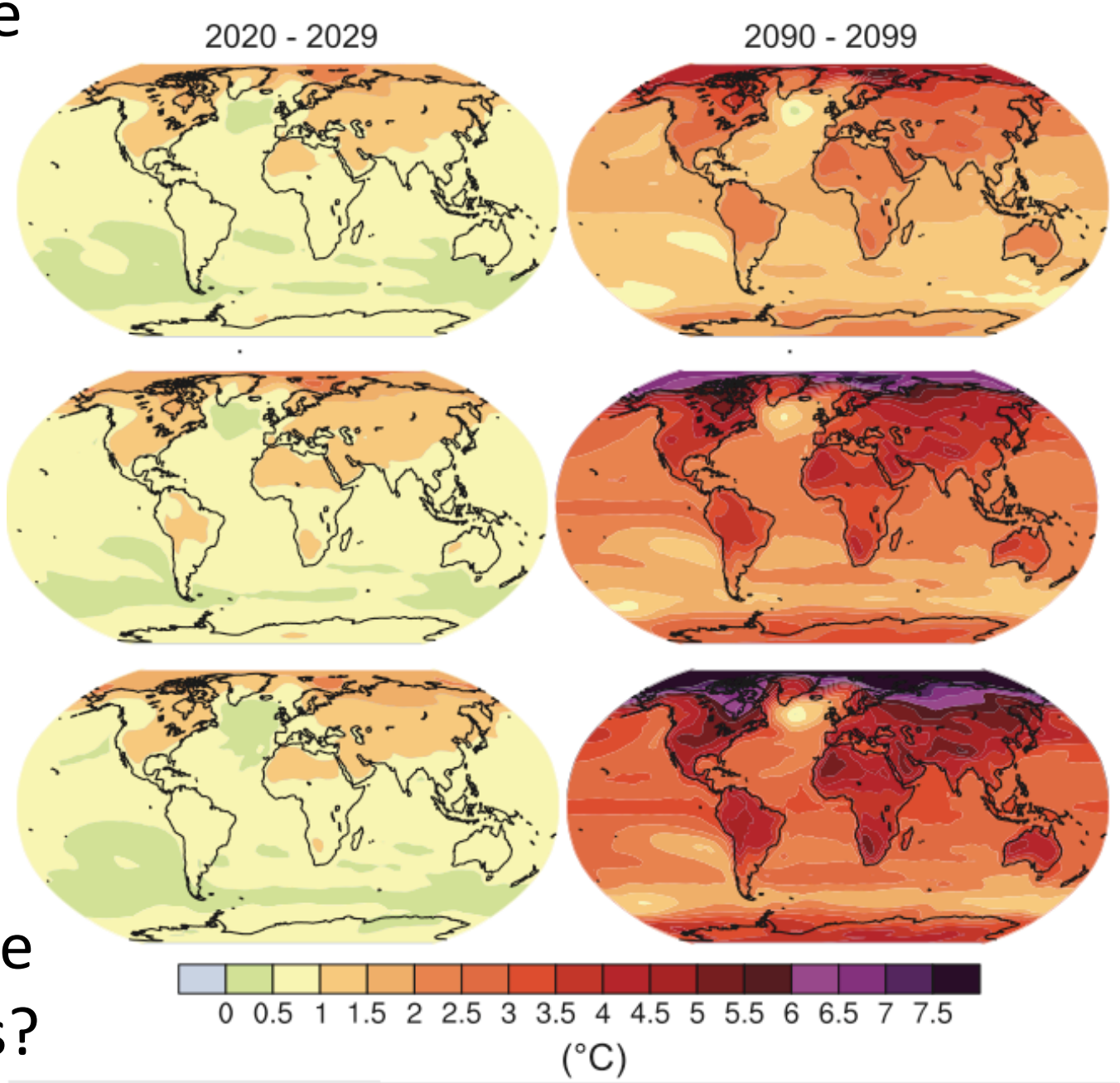
Wetlands are also the largest natural source of atmospheric methane.



Wetlands, aren’t trivial



Also if methane emission is dependent on temperature, and it is, what happens if temperatures increase, particularly in the northern high latitudes where there are many wetlands?



Especially prophecies of imminent apocalypse.