

Rasterizer Function

1 Task

Table 1: Carbon values for different biomes after v.CLEVE & POWERS 1995

Biome	carbon in litter <i>Mg ha⁻¹ year⁻¹</i>	carbon in soil <i>Mg ha⁻¹</i>
boreal forest	4	149
temperate forest	22	139
tropical rain forest	34	104

1.1 R Code

```
#=====
#                               Initial Values
#=====
library(deSolve)
#Data frame: equilibrium values, based on Data Cleve & Powers, 1995:
df <- data.frame(biome=c("boreal","temperate","tropical"),
                 litter_C=c(149*(2/3),139*0.1,104*0.1),
                 SOC=c(149*(1/3),139*0.9,104*0.9))
litterfall= c(5,8,15) #t/ha/year

propfac <- 1 # proportion between humification and mineralisation
#assumption: both are more or less the same
```

2 Issues

2.1 Solved

2.2 Unsolved

Figure 1: Wildfire event in a boreal forest

3 Conclusion