Runnging the Madingley Model with Norwegian data

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Chapter 1

Introduction

This work is part of the MadFates project, run by Joachim Töpper. The goal is to learn bit about the Madinley model and its potential for modelling biomass distributions across trophic levels in Norwegian boreal ecosystem. Perhaps limited to forests.

This page is hosted in GitHub and produced using bookdown.

Chapter 2

Installation

Madingley is written in C++, but an R version is also available. Although a little bit less flexible perhaps, it should be more than sufficient four this project. And much more familiar.

```r
library(devtools)
install_github('MadingleyR/MadingleyR', subdir='Package', build_vignettes = F)
```

I could not get the vignetts to build.

```r
vignette(package ="MadingleyR")
```

```
## no vignettes found
```

They can, however, be view here.

```r
MadingleyR::madingley_version()
```

This line also did not work. The verdsion seems to be 1.0.2. Source version, I don't know.

Chapter 3

Initialisation

Using test data to initialise the model

Spatial model domain = c(min_long, max_long, min_lat, max_lat)

```
spatial_window = c(31, 35, -5, -1)
```

Plot the spatial window to check selection

```
plot_spatialwindow(spatial_window)
```