

Preprocessing

This subsection discusses the methods used for implementing the preprocessing the data which are collected with the methods above.

```
sf <- sf::read_sf(here::here("research_areas.shp"))
print(sf)
```

Simple feature collection with 12 features and 3 fields

Geometry type: POLYGON

Dimension: XY

Bounding box: xmin: 7.071625 ymin: 51.08151 xmax: 8.539877 ymax: 52.25983

Geodetic CRS: WGS 84

A tibble: 12 x 4

	id	species	name	geometry
	<dbl>	<chr>	<chr>	<POLYGON [°]>
1	1	oak	rinkerode	((7.678922 51.85789, 7.675446 51.85752, 7.~
2	2	oak	hamm	((7.858955 51.66699, 7.866444 51.66462, 7.~
3	3	oak	muenster	((7.618908 51.9154, 7.617384 51.9172, 7.61~
4	4	pine	greffen	((8.168691 51.98965, 8.167178 51.99075, 8.~
5	5	pine	telgte	((7.779728 52.00662, 7.781616 52.00662, 7.~
6	6	pine	mesum	((7.534424 52.25499, 7.53378 52.25983, 7.5~
7	7	beech	bielefeld_brackwede	((8.524749 51.9921, 8.528418 51.99079, 8.5~
8	8	beech	wuelfenrath	((7.071625 51.29256, 7.072311 51.29334, 7.~
9	9	beech	billerbeck	((7.324729 51.99783, 7.323548 51.99923, 7.~
10	10	spruce	marienheide	((7.558102 51.08358, 7.558317 51.08527, 7.~
11	11	spruce	brilon	((8.532195 51.41029, 8.535027 51.41064, 8.~
12	12	spruce	osterwald	((8.369328 51.21693, 8.371238 51.21718, 8.~