# Exemplary workflow in landscape ecology using [R]



| Import spatial data | Pre-process spatial data | Quantify spatial data | Simulate null model data | Create maps results |
|---|---|---|---|---|

| Raster data |
|---|
| raster |
| stars |

| Vector data |
|---|
| sf |
| sp |

| Online data |
|---|
| rgbif |
| rnaturalearth |

| Raster data |
|---|
| raster |
| stars |

| Vector data |
|---|
| sf |
| sp |

| Bridge tools |
|---|
| gdalUtils |
| rgrass7 |

| Raster data |
|---|
| landscapemetrics |
| belg |

| Vector data |
|---|
| geodiv |

| Raster data |
|---|
| NLMR |
| RandomFields |

| Advanced |
|---|
| ggspatial |
| tmap |