

```
st_read("./shape/riograndedosul_lito.
```

```
Reading layer `riograndedosul_lito' from data source  
  `G:\Meu Drive\Academicos\Aulas\Palestras\Geologia_R\geology_r\s  
  using driver `ESRI Shapefile'  
Simple feature collection with 3362 features and 46 fields (with  
Geometry type: MULTIPOLYGON  
Dimension:      XY  
Bounding box:   xmin: -57.64213 ymin: -33.75079 xmax: -49.69113 ym  
Geodetic CRS:   SIRGAS 2000
```

```
st_read("./shape/riograndedosul_lito.  
dplyr::select(SIGLA_UNID,NOME_UNID)
```

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```
Simple feature collection with 3362 features and 2 fields (with 1  
Geometry type: MULTIPOLYGON  
Dimension: XY  
Bounding box: xmin: -57.64213 ymin: -33.75079 xmax: -49.69113 ym  
Geodetic CRS: SIRGAS 2000
```

```
First 10 features:
```

	SIGLA_UNID
1	Q1pl3
2	Q2tf
3	Q2tf
4	Q2a
5	Q2a
6	Q2a
7	Q1pl3
8	Q2pc
9	Q2pi
10	Q2tf

1	Depósitos de barreira pleistocênica 3 - Depósitos de planíc
2	Depósito
3	Depósito
4	Depósito
5	Depósito

```
st_read("./shape/riograndedosul_lito.
  dplyr::select(SIGLA_UNID,NOME_UNIDA
tidyr::drop_na(geometry)
```

```
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```
st_read("./shape/riograndedosul_lito.
  dplyr::select(SIGLA_UNID,NOME_UNIDA
  tidyr::drop_na(geometry) %>%
  st_transform(crs=3857)
```

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 Dimension: XY  
 Bounding box: xmin: -57.64213 ymin: -33.75079 xmax: -49.69113 ym  
 Geodetic CRS: SIRGAS 2000

Simple feature collection with 3362 features and 2 fields (with 1  
 Geometry type: MULTIPOLYGON  
 Dimension: XY  
 Bounding box: xmin: -6416692 ymin: -3995389 xmax: -5531591 ymax:  
 Projected CRS: WGS 84 / Pseudo-Mercator  
 First 10 features:

	SIGLA_UNID
1	Q1pl3
2	Q2tf
3	Q2tf
4	Q2a
5	Q2a
6	Q2a
7	Q1pl3
8	Q2pc
9	Q2pi
10	Q2tf

1	Depósitos de barreira pleistocênica 3 - Depósitos de planíc
2	Depósito
3	Depósito
4	Depósito
5	Depósito

```

st_read("./shape/riograndedosul_lito.
  dplyr::select(SIGLA_UNID,NOME_UNIDA
  tidyr::drop_na(geometry) %>%
  st_transform(crs=3857) %>%
  st_intersection(.,read_municipality
    st_transform(crs=
    dplyr::select(ge

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Geometry type: MULTIPOLYGON
Dimension:      XY
Bounding box:   xmin: -57.64213 ymin: -33.75079 xmax: -49.69113 ym
Geodetic CRS:   SIRGAS 2000

```

```

Simple feature collection with 46 features and 2 fields
Geometry type: GEOMETRY
Dimension:      XY
Bounding box:   xmin: -5709733 ymin: -3538179 xmax: -5678623 ymax:
Projected CRS:  WGS 84 / Pseudo-Mercator

```

First 10 features:

	SIGLA_UNID
1699	NP3_gamma_dfc
1718	Q2a
2012	Q2pc
2089	NP3_gamma_dfc
2117	Q2a
2119	Q2pc
2139	NP2_gamma_1pm
2155	NP2_gamma_1pm
2161	Q12ec
2172	Q2pc

1699

1718

2012 Depósitos de barreira holocênica - Depósitos de praias e cr

2089

2117

Depósi

1/1  
Depósi

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tidyr::drop_na(geometry) %>%
st_transform(crs=3857) %>%
st_intersection(.,read_municipality
st_transform(crs=
dplyr::select(gec
mapview(.,zcol="SIGLA_UNID",alpha=C
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