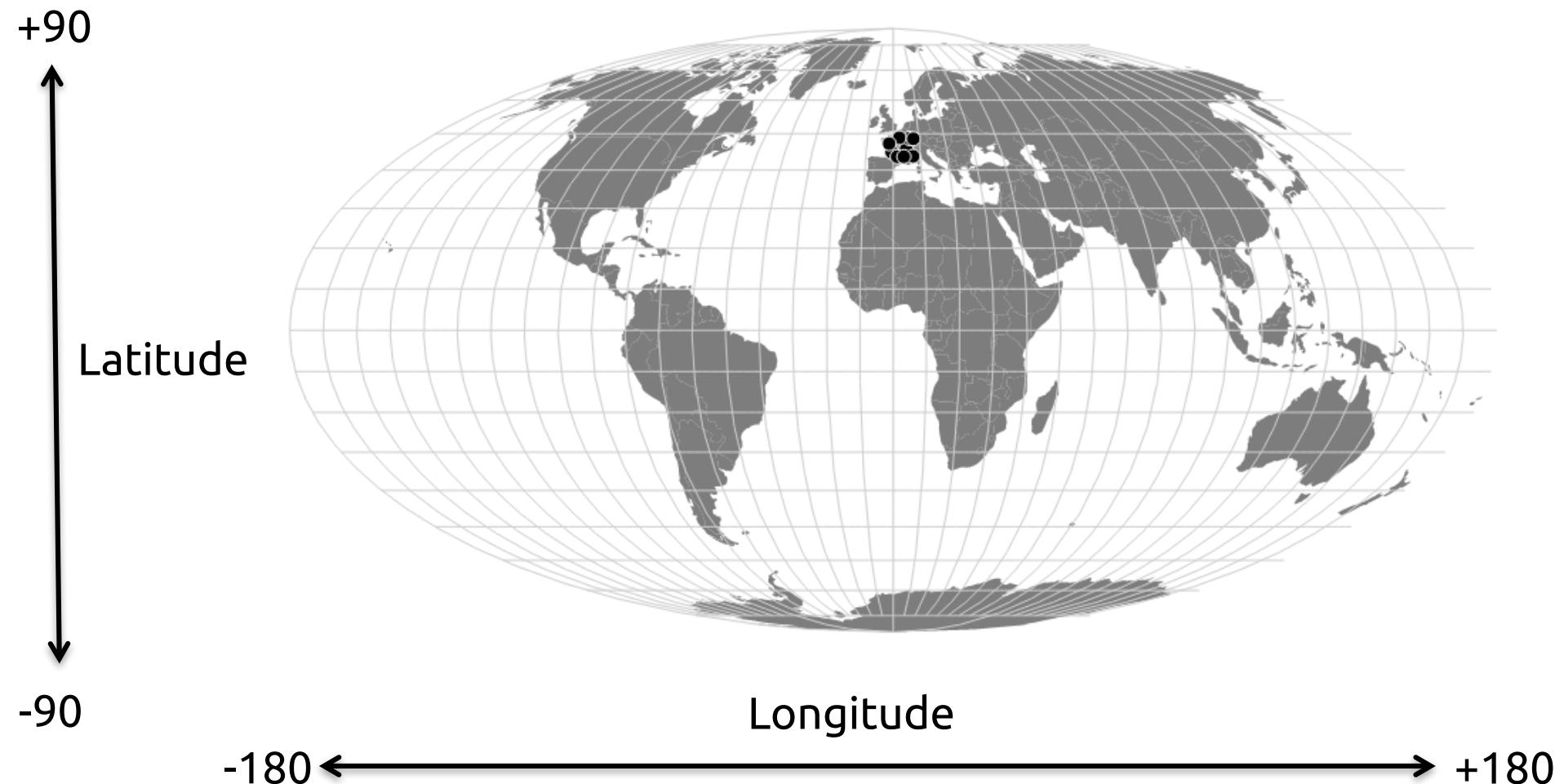


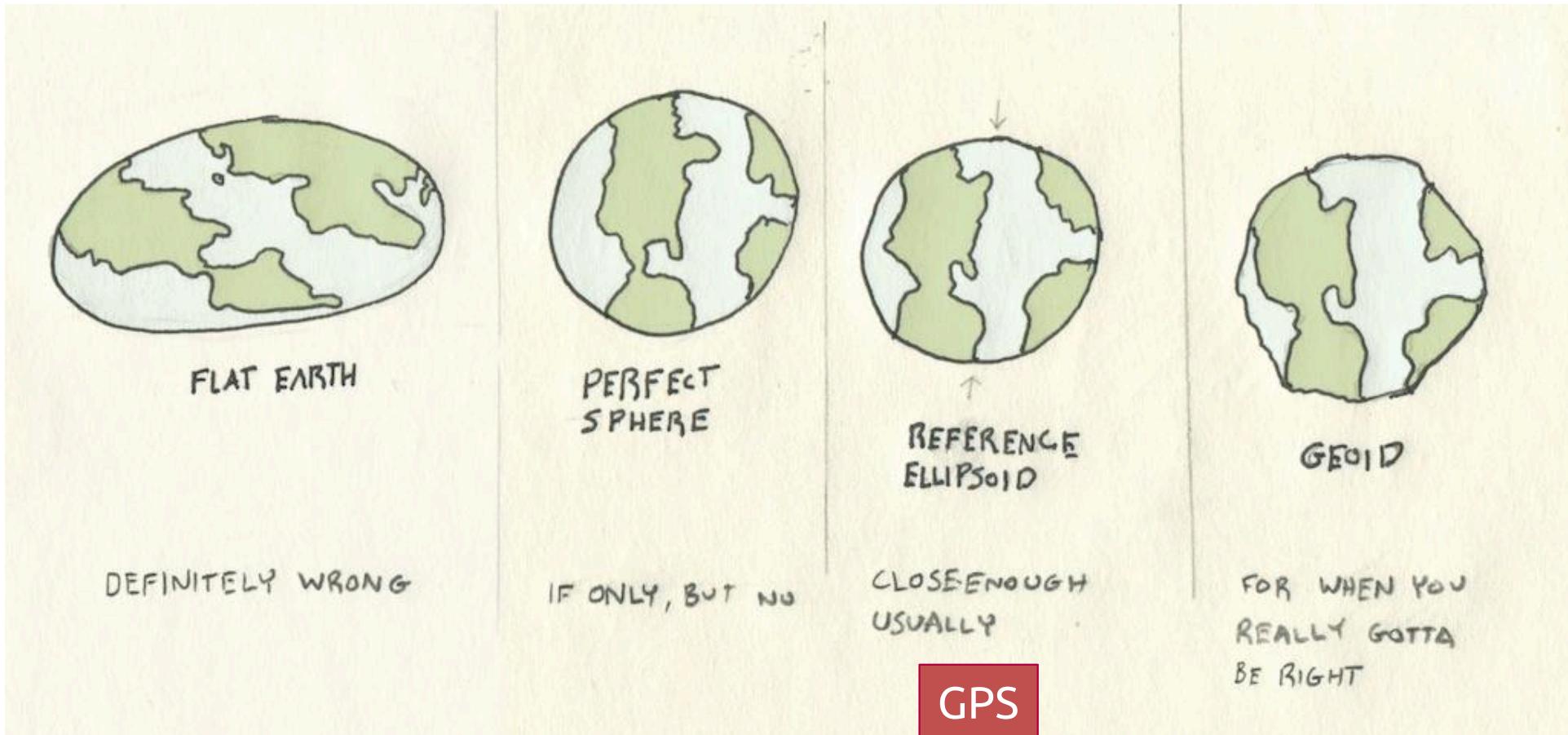
D3js

Partie 4 – d3-geo

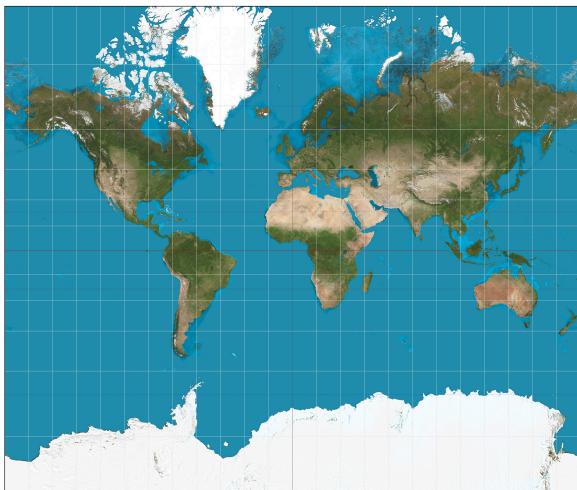
Latitude & Longitude



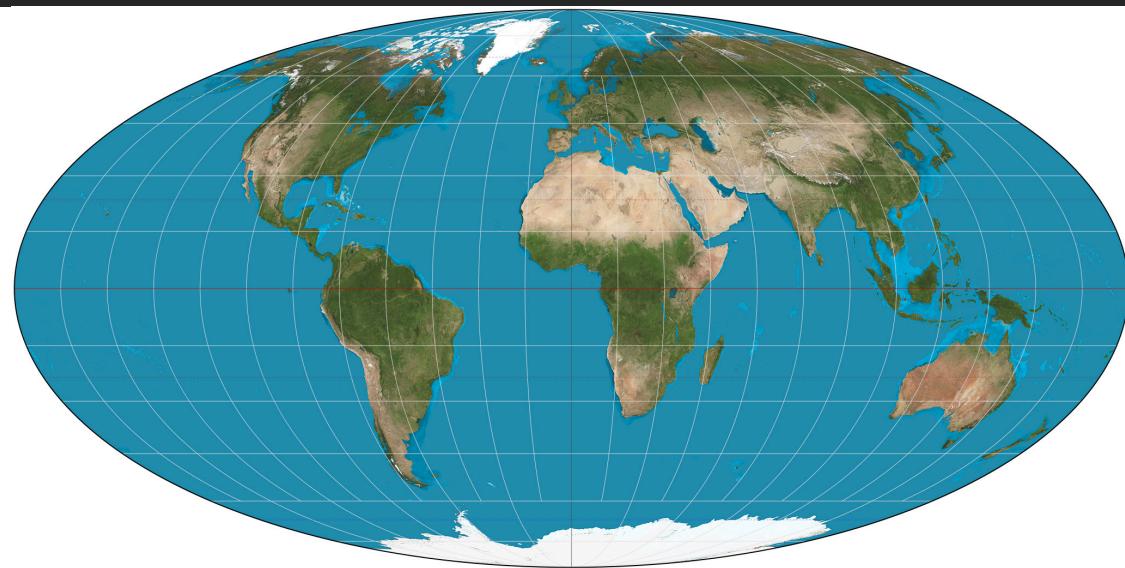
Géodésie de la terre



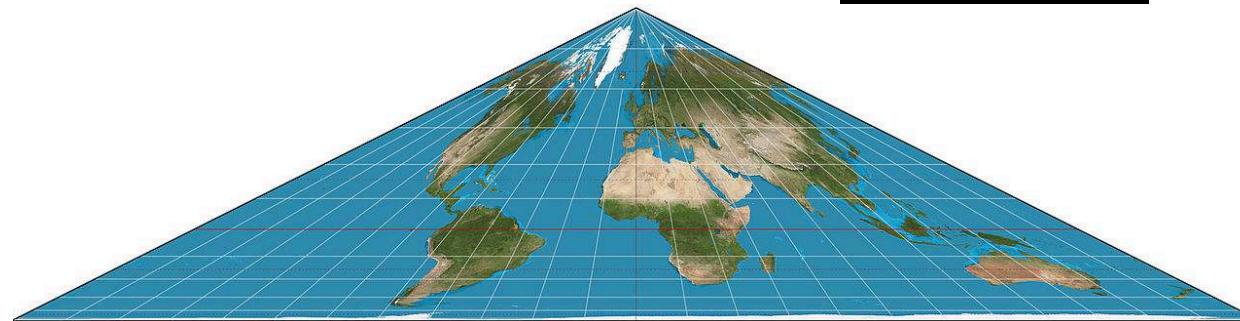
Projections



Mercator



Mollweide



Collignon

Créer une carte

```
// countries = données issues d'un fichier geojson
var projection = d3.geoMercator();
var geoPath = d3.geoPath().projection(projection);

d3.select("svg").selectAll("path").data(countries.features)
.enter()
.append("path")
.attr("d", geoPath)
.attr("class", "countries");
```

Modifier l'échelle

```
// countries = données issues d'un fichier geojson  
var projection = d3.geoMercator().scale(1000):
```

Centrer la carte sur une coordonnée

```
var projection = d3.geoMercator()  
    .center([2.3522219000000177, 48.856614]);
```

Coordonnées graphiques

```
var projection = d3.geoMercator();
var xCoord = 2.3522219000000177;
var yCoord = 48.85;

var pointsProjetes = projection([xCoord , yCoord ]);
```

Graticule

```
var projection = d3.geoMercator();
var geoPath = d3.geoPath().projection(projection);

var graticule = d3.geoGraticule();

d3.select("svg").append("path")
  .datum(graticule)
    .attr("d", geoPath)
    .style("fill", "none")
    .style("stroke", "lightgray")
    .style("stroke-width", "1px");
```

TP - Cartographie

