Aggregating Earth Surface data using GEE and R

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#Summer Webinar Series — Sept. 29, 2020

Agenda

- From a regular lattice of points create squares to calculate values from aggregating data (e.g. height above sea level of Earth surface)

Starters

To add functionalities you must load the specific libraries REMEMBER to make sure that they are installed in your system if not you can install in RStudio on menù => Tools => Install Packages or directly with command install.packages("NAME OF PACKAGE")

```
library(sf)
```

```
## Linking to GEOS 3.8.0, GDAL 3.0.4, PROJ 6.3.1
```

```
library(mapview)
library(raster)
```

```
## Loading required package: sp
```

My custom CRS projection Lambert Conical Conformal NOT secant but tangent at lat=45.827 and lon=11.625

```
myproj <- "+proj=lcc +lat_1=45.827  +lat_2=45.827  +lat_0=4
```

My points (in lat long) over the regular grid/lattice these points are