

```
spheres.json
```

```
"typeScene": "VIRTUAL",
"objects": [
{
    "name": "Esfera petita",
    "type": "sphere",
    "center": [0.0, 0.0, 0.0],
    "radius": 0.5,
    "material": {
        "type": "lambertian",
        "ka": [0.2, 0.2, 0.2],
        "kd": [0.5, 0.5, 0.5],
        "ks": [1.0, 1.0, 1.0],
        "shininess": 10.0,
        "kt": [0.0, 0.0, 0.0],
        "nut": 0.0
```

DATA_TYPES::VIRTUALWORLD DATA_TYPES::TEMPORALVW

Objectes Virtuals

"typeScene": "REALDATA", "properties": ["name": "temperatura", 'gyzmo": "sphere", 'minValue": 0, 'maxValue": 500000, 'colorMap": "COLOR_MAP_TYPE_PLASMA", 'material": { "type": "lambertian", "ka": [0.2, 0.2, 0.2], "kd": [0.7,0.6,0.5], "ks": [0.7, 0.7, 0.7], "shininess": 10.0 'data": [[2.1, 41.31, 10000], [2.2, 41.32, 10000],

[2.25, 41.35, 10000], [2.07, 41.45, 10000], dadesEuropa.json

Adquisició de dades

Visualitzation mapping

DATA_TYPES::REALDATA
DATA_TYPES::TEMPORALDATA

setup.json

```
"renderType": "ONLINE",
"output": "resultat.ppm",
"camera": {
    "lookFrom": [0.0, 0.0, 2.0],
    "lookAt:": [0, 0, -1],
    "vup": [0, 1, 0],
    "vfov": 90.0,
    "aspectRatio": 1.77,
    "pixelsX": 400
},
    "colorTopBackground": [0.5, 0.7, 1],
    "colorDownBackground": [ 1.0, 0.2, 0.2]
}
```

OBJECT_TYPES::SPHERE
OBJECT_TYPES::PLANE

MATERIAL_TYPES::MATERIAL,
MATERIAL_TYPES::POINTLIGHT

LIGHT_TYPES::POINTLIGHT

Coordenades de Món

elements geomètrics

propietats òptiques

(materials i textures)

(objectes)

Escena virtual

Fitxer .jpg Menú File ->Save Buffer **ZBuffer** Finestra **GLWidget** Fitxer .jpeg Menú File

->Star and Save Animation



