WCS Experience in ICGC

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Previous WCS experiences – EXPERIENCE 1

- **Scope:**

  ICGC-WCS serving DTM of Catalonia at 5m&15m resolution:

  Results from requested area in ESRI ArcGRID (ASCII) format

  Nearest neighbour interpolation method.

  Maximum number of pixels able to be requested: 35805

  Coordinate origin: 250007.5 , 4450002.5 (EPSG 23031)

  Supported   WCS: WCS 1.0.0, 1.1.1

  Methods: GetCapabilities, GetCoverage, DescribeCoverage

  CRSs: EPSG 23031, 25831, 32631, [4230, 4258 i 4326]*

  * Temporarily unavailable

  Used to show the 3rd coordinate in our Map Viewer over orthophoto

- **Delivered content:**

  Elevation data as rectified grid coverages

- **Technologies / software used:**

  Open source: Geoserver

Previous WCS experiences – **EXPERIENCE 2**

- **Scope:**

New pilot application for the generation of 3D Scenes:

Resulting visualization based on:

- Existing raster product (WMTS request).
- DTM coverage (WCS request).

Inspired by the project from Labs Kartverket , ICGC has customized their code to create our own "**3D scene generator**": (to be open in Google Chrome):

http://betaserver.icgc.cat/wxs/generador/escenes3d.html

- **Delivered content:**

3D Scene of terrain

- **Technologies / software used:**

WCS & threejs