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):


- **Delivered content:**

  3D Scene of terrain

- **Technologies / software used:**

  WCS & threejs