# Project Coordinate System

Use the **“Coordinates”** section when creating or editing a project to define its units, reference systems, and spatial framework.

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These settings are essential for aligning all spatial data correctly within your project and ensuring consistency across datasets.

| Field | Description |
| --- | --- |
| **Time Zone** | Sets the local time zone for the project location. This helps timestamp data and coordinate updates across time-based processes. |
| **Horizontal Datum** | A horizontal datum defines how latitude and longitude coordinates are calculated based on the shape of the Earth. VoxelSpace supports the following horizontal datums:<br><br>• WGS 72<br>• WGS 84<br>• GRS 80<br>• NAD27<br>• NAD83<br>• NAD83 (2011)<br>• NAD83 HARN<br>• NAD83 CSRS<br>• GDA94<br>• ETRS89<br>• AGD66 |
| **Vertical Datum** | A vertical datum sets the reference surface used to measure elevation or depth. VoxelSpace supports the following vertical datums:<br><br>• WGS 84<br>• NGVD 29<br>• NAVD 29<br>• NAVD 88 (GEOID variants 96–12B)<br>• CGVD 28<br>• CGVD 2013<br>• DVR 90<br>• NN2000<br>• NN54<br>• DHHN92 |

| Field | Description |
| --- | --- |
| **Projection** | Defines the map projection used to represent the Earth’s curved surface in 2D/3D space. Supported projections include:<br><br>• Latitude/Longitude<br>• Longitude/Latitude<br>• Earth-Centered Earth-Fixed (ECEF)<br>• Mercator<br>• Universal Transverse Mercator (UTM)<br>• Transverse Mercator<br>• Lambert Conformal Conic<br>• AEAC<br>• AMG<br>• MGA |
| **Units** | Choose whether your project uses **meters** or **feet** for all distance measurements. |
| **Voxel Size** | Voxels are 3D cubes. This setting defines the edge length of each voxel (in project units). |
| **Project Origin (X, Y, Z)** | The origin point of the project’s coordinate space. All spatial data will be referenced relative to this point. |
| **Min X, Y, Z (Read-only)** | The minimum bounds of the coordinate system in each axis. Calculated automatically. |
| **Max X, Y, Z (Read-only)** | The maximum bounds of the coordinate system in each axis. Calculated automatically. |

## Next Steps

After setting the coordinate system, click **“Next”** to continue defining the dimensions and spatial extent of your project.

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