5. Explore Advanced Features

VoxelSpace offers powerful capabilities beyond basic visualization:

Spatial Calculations

Run serverless **spatial lambdas** to:

1. Compute volumes across datasets
2. Filter data based on specific criteria
3. Derive metrics across trillions of voxels

Temporal Tracking

Add time as a dimension to your datasets to observe changes over time, including:

- Erosion monitoring
- Construction progress tracking
- Fluid movement analysis

Multi-Source Data Fusion

Seamlessly integrate multiple data types into a single voxel grid:

- LiDAR point clouds
- Drill hole data
- Seismic datasets
- IoT sensor data
- CAD files

This unified approach enables comprehensive analysis across diverse data types.

Collaboration and Integration

- **Project sharing:** Collaborate with team members
- **Unity export:** Export projects for game engines
- **API integration:** Integrate the platform into existing workflows

Conclusion & Next Steps

This quickstart guide has walked you through the core VoxelSpace workflow:

- **Project creation** and initial setup
- **Data upload** for various formats
- **Processing** raw data into indexed datasets
- **Visualization** in the interactive 3D viewer

Volumetric modeling with voxels captures the full volume of space, enabling insights that traditional surfacemodels cannot provide.

Recommended Next Steps

- Explore additional processing types for your specific data
- Experiment with spatial lambdas for advanced analysis
- Consider upgrading your plan to access:
  - Increased storage capacity
  - Additional compute hours
  - Concurrent job processing

For more advanced tutorials and documentation, visit the VoxelSpace knowledge base or contact support throughthe platform.

Revision #4
Created 21 October 2025 15:55:38 by Christian
Updated 21 October 2025 18:09:00 by admin