Working with Geoscape data in ArcGIS

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National coverage

Geoscape will capture the whole of Australia and every building with a roof area greater than 9m$^2$ in urban areas and 25m$^2$ in rural areas. That’s 20 million buildings across 7.6 million km$^2$.

Integrated

Geoscape includes linkages to other important geospatial reference datasets including geocoded address, property data and administrative boundaries, helping you to hit the ground running.

Regularly updated

The dataset will be maintained on a regular basis so that it depicts the built environment as it changes, with a special focus on the urban fringe and areas of high development activity.
Line of Sight to Boat Race
Geoscape Surface Cover in a 100 meter radius

Hold the ALT key and hover the cursor on the map using the mouse. Move the mouse around while holding the ALT key to get live updates. Release the ALT key to go back to navigation mode.
Analyse 3D data

ArcGIS Visibility Assessment

Layers

- Retail Centers
- Trails and Paths
- Visibility
- CCTV locations
- Proposed Development
- LOD2 Buildings with floor indication
- LOD2 Buildings CBD RPD -
Overview

Visibility Assessment is a configuration of ArcGIS Pro that can be used by local governments to answer various visibility questions within the community.

For example, planners, architects, and real estate appraisers can use Visibility Assessment to determine visibility of/from a proposed development from/of surrounding locations. Event planners can use Visibility Assessment to calculate event visibility from specific locations or surrounding buildings.

You may be interested in

ArcGIS for Local Government includes several related maps and apps that also can be configured in your organization:

- Local Government 3D Basemaps
- Visualize Proposed Developments
- Calculate Solar Radiation
- Shadow Impact Analysis
- 3D Public Survey

Requirements

Visibility Assessment requires specific software.
Overview

3D Public Survey is a configuration of ArcGIS and a JavaScript application that can be used by local governments to share 3D maps (scenes) online and engage with the community to solicit structured feedback on for example proposed property developments.

3D Public survey allows you to get quantifiable answers to specific questions you may want to ask your audience as well as gather feedback in the form of open comments.

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- Visibility Assessment
- Calculate Solar Radiation
- Shadow Impact Analysis

Requirements

3D Public Survey require specific software.
Overview

Visualize Proposed Developments is a configuration of ArcGIS Pro that can be used by planners and architects to visualize a proposed development in the wider cityscape.

Import 3D models of the new development and place them directly into the scene. View the new development from any location and angle to see how it fits into the wider community and publish it for feedback and review by stakeholders.

You may be interested in

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- Local Government 3D Basemaps
- Visibility Assessment
- Calculate Solar Radiation
- Shadow Impact Analysis
- 3D Public Survey

Requirements

Visualize Proposed Developments requires specific software.
Overview

Shadow Impact Analysis is a configuration of ArcGIS Pro that can be used by local government staff to evaluate the shadow impact of proposed or existing buildings on the surrounding community.

For example, planners and architects can use Shadow Impact Analysis to determine the additional shadow impact of a proposed development on a neighboring public park or school playground for any day in the year.

Requirements

Shadow Impact Analysis requires specific software.
Building heights
Footprints
Roof material
Trees
Solar panels
Land cover
Zoning
Questions