

ArcRhino

The logo for ArcRhino features the word "ArcRhino" in a bold, black, sans-serif font. To the right of the text is a stylized graphic of a rhino's head in profile, facing right. The rhino's head is composed of several curved, overlapping shapes. A hand is shown holding a globe of the Earth, with the hand positioned as if it is supporting or presenting the globe. The globe is a simple silhouette showing the continents.

TEAM

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ArcRhino



Add-In for ArcGIS



ArcGIS

ArcGIS Pro SDK



Rhino**ceros**

Rhino.Inside

ArcGIS Pro Platform



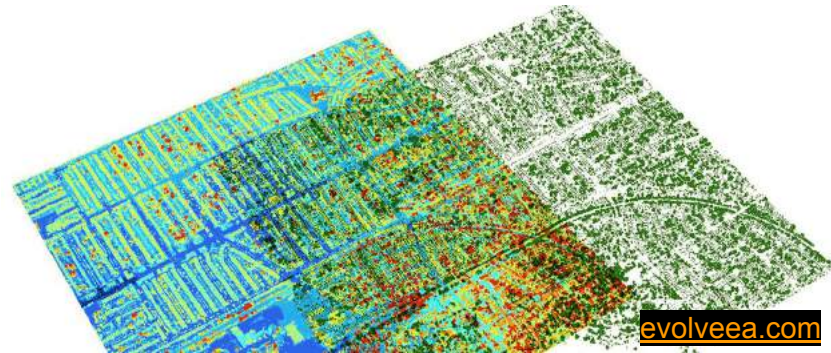
ArcGIS

GOOD AT

- Handling Large Datasets
- Managing Map Layouts
- Spatial Statistics
- Rich Geographic Toolsets
 - Logistics
 - Hydrology
 - Networks
 - Raster ML

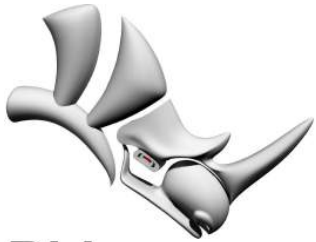
BAD AT

- Quick Geometric Analysis
- Quick Geometry Creation
-



ArcRhin

Rhino Platform

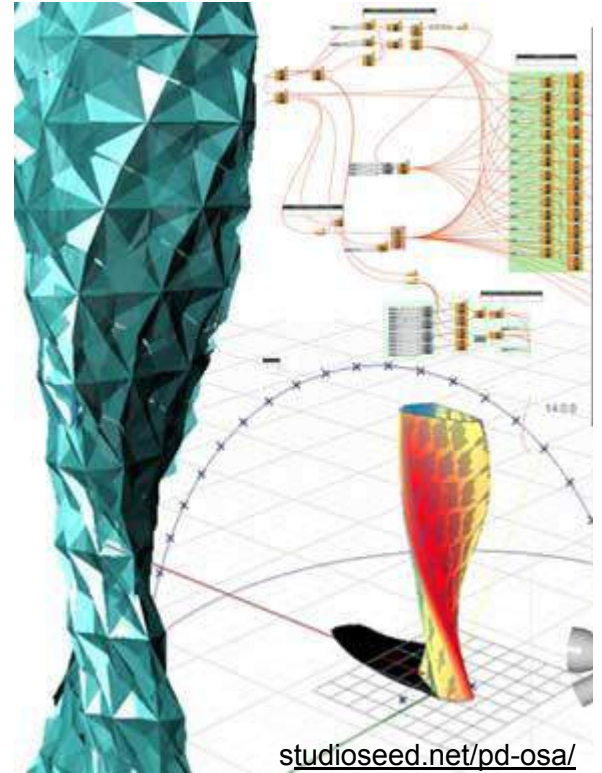


Rhino**ceros**



GOOD AT

- Geometry Creation
- Geometry Editing
- Complex Visualizations
- Rabid Parametric Scripting
- Architectural Analysis



ArcRhin

Mapping



ArcGIS

Exchange Format

.shp .json
.geojson
.xlsx .ascii
.csv

Convert and Import



BEARGIS

Design



RhinoCeros

ArcRhin



Map



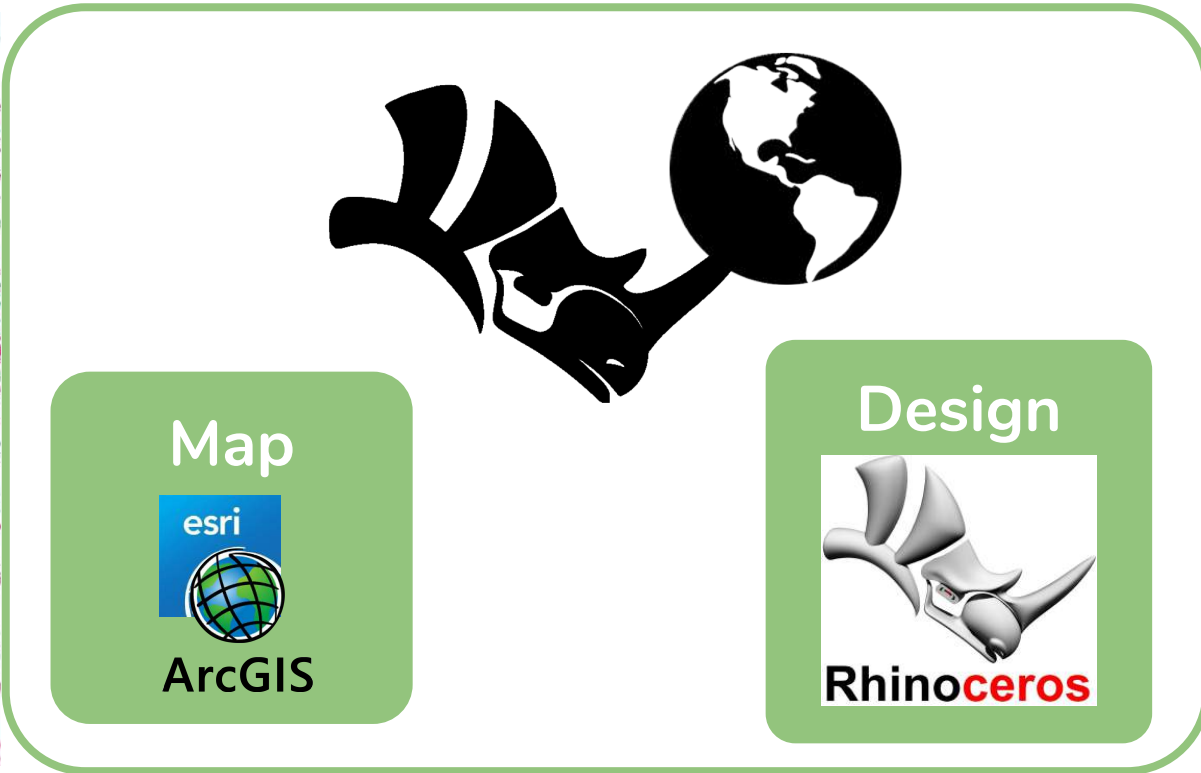
ArcGIS

Design

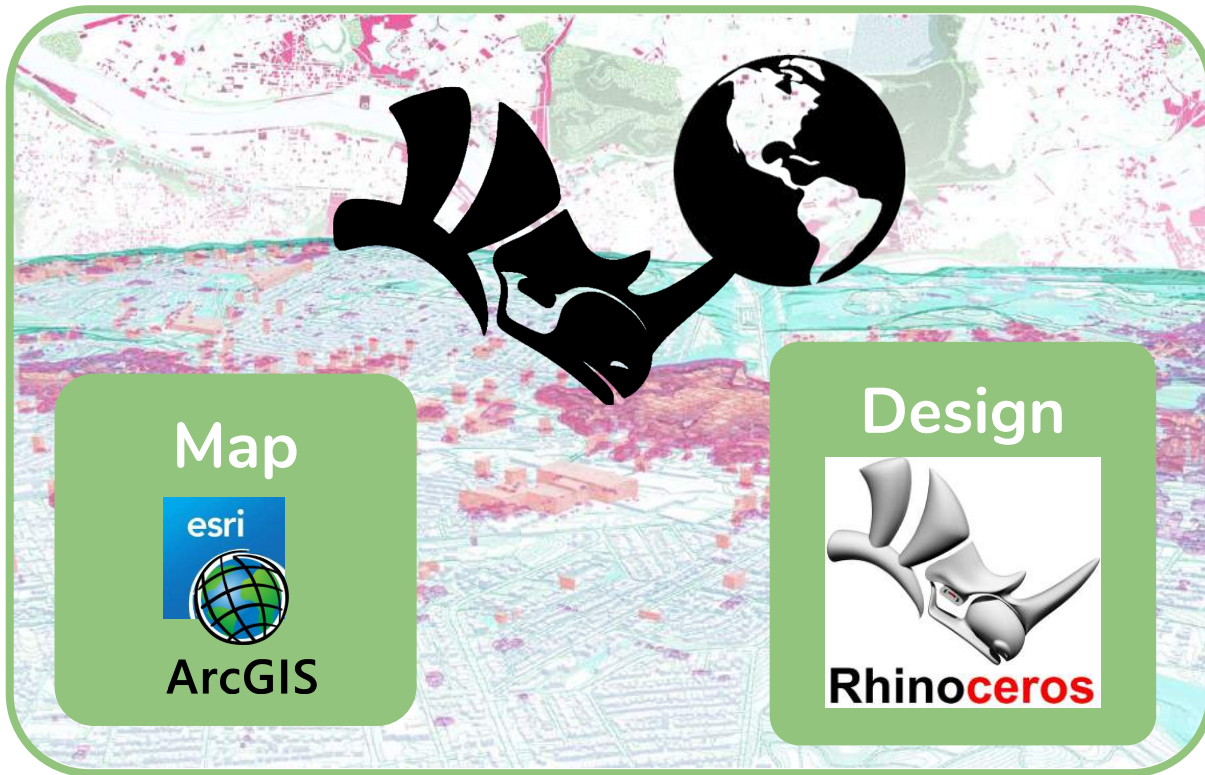


RhinoCeros


ArcRhin



ArcRhin



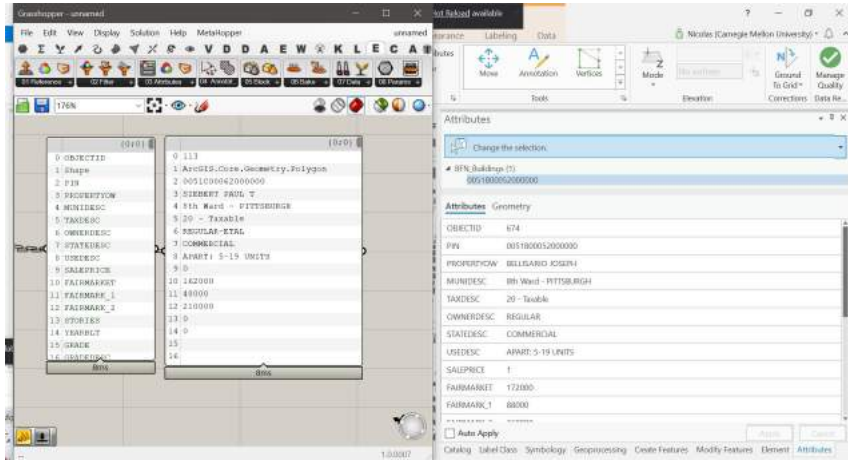
ArcRhino

 ArcRhino Autoupdate GH Preview
 Set Rhino origin lat lon
 Open Rhino file
 Import selected ArcGIS features
 Export selected Rhino geometry
 Export previewed Grasshopper geometry

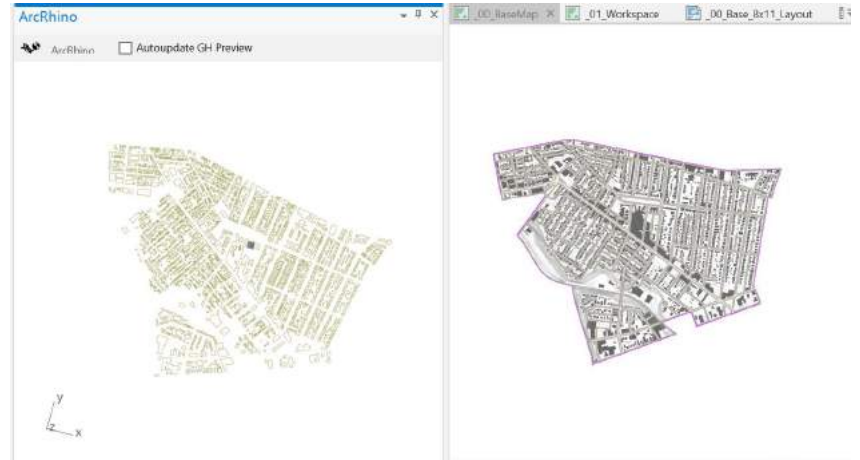
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Rhino Preview Docked in ArcGIS

Attributes Available Everywhere



Same Geometry | Same Layers



<https://vimeo.com/367573952>

Generative Urban Design

Find the “optimal” location for a new park/outdoor theater

Find vacant spots



Combine adjacent spots



Area constraint

Large sky view factor

Minimal direct radiation

Viewshed

Short buildings around

Neighborhood type



Ladybug



Galapagos

Site Identification

Selecting Potential Sites for Analysis and Opportunity Weighting



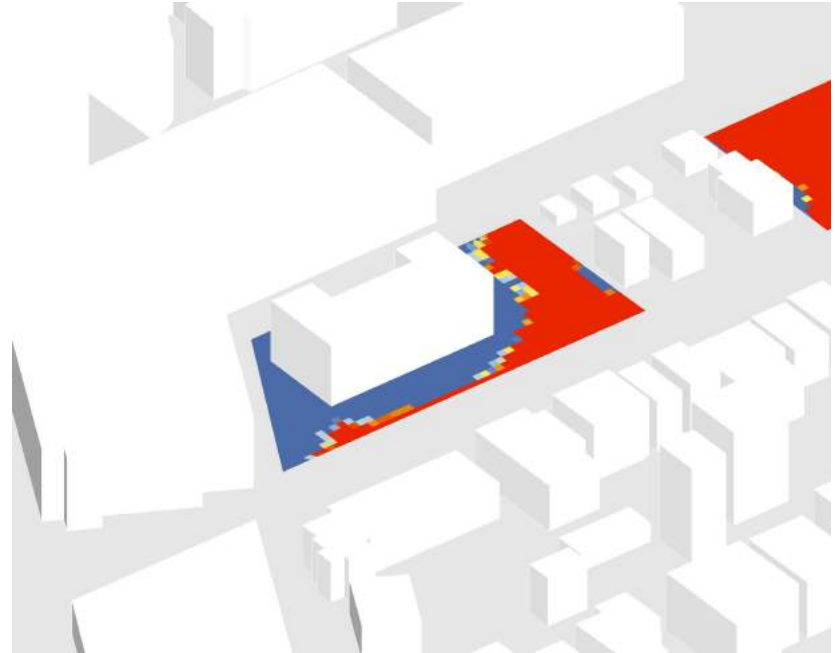
Building Use Analysis

For the selected plot, find if the nearby buildings are commercial

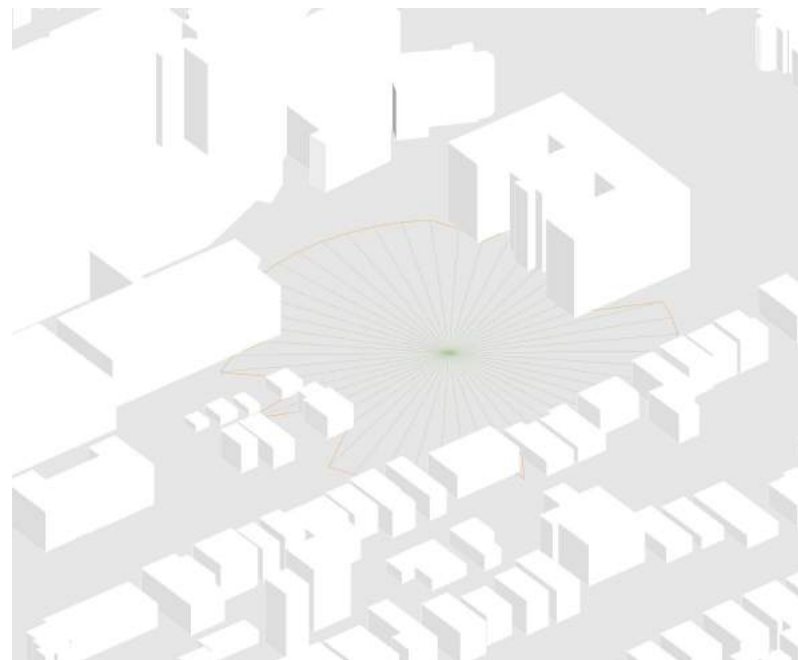


Solar Radiation Analysis

For the selected plot, find the best tree locations for optimal comfort



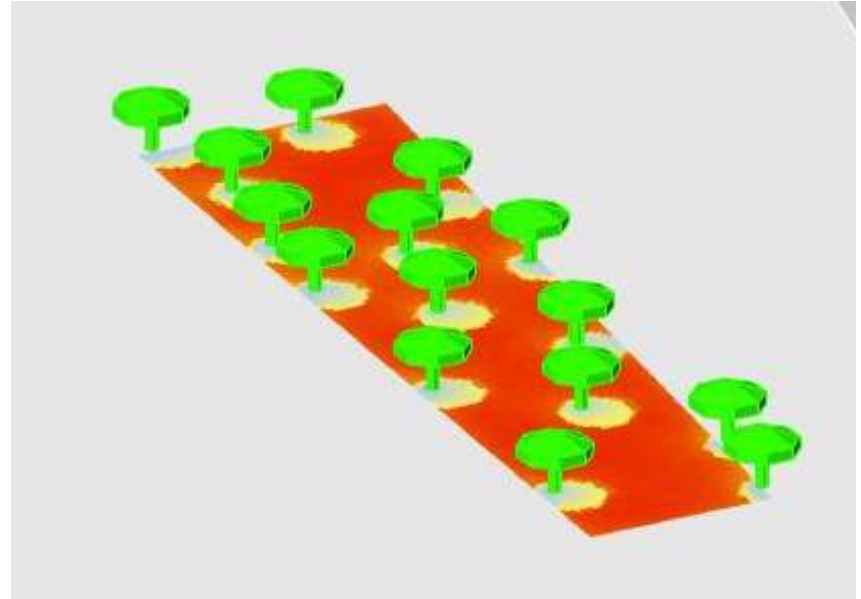
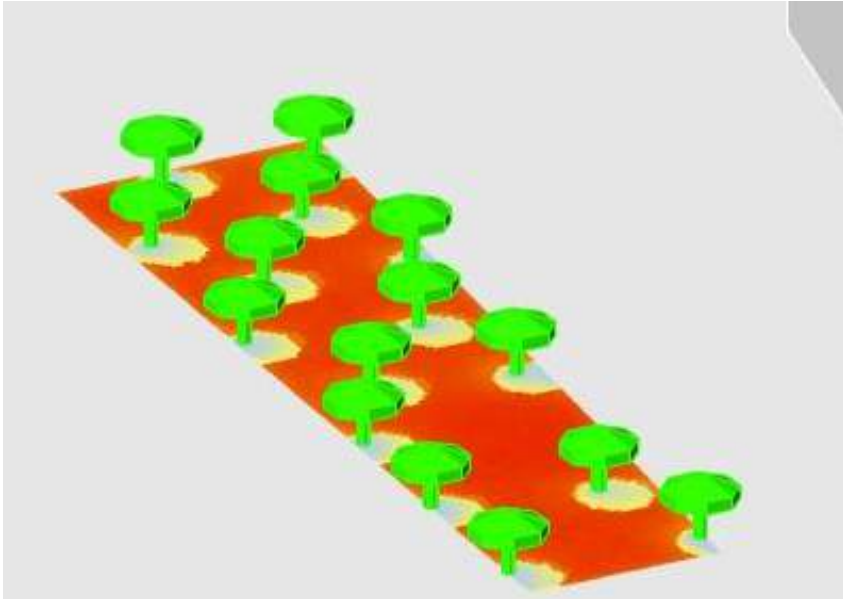
Viewshed Analysis





Outdoor Comfort Analysis: UTCI

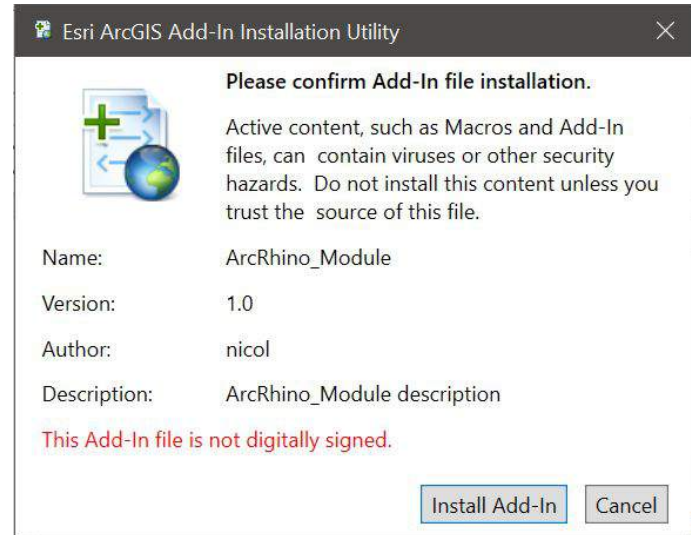
For the selected plot, find the best tree locations for optimal comfort



One Click Install!



<https://tinyurl.com/arcrhino>





Contribute!

A screenshot of a GitHub repository page for "nicoazel / ArcRhino". The page shows the repository name, navigation tabs (Code, Issues, Pull requests, Projects, Wiki, Security, Insights, Settings), and a list of recent commits. The repository has 75 commits, 4 branches, 0 releases, and 5 contributors. The latest commit is by ryanwelch, updating the README.md file.

Search or jump to... Pull requests Issues Marketplace Explore

nicoazel / ArcRhino Unwatch 3 Unstar 1 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Security Insights Settings

AECTech Hackathon Rhino.Inside project for ESRI ArcGIS Pro Edit

grasshopper-develop grasshopper rhino3d rhino-inside arcgis-pro arcgis csharp Manage topics

75 commits 4 branches 0 releases 5 contributors

Branch: master New pull request Create new file Upload files Find file Clone or download

Commit	Message	Time
ryanwelch update typo		Latest commit 666ab50 15 minutes ago
ArcGIS_Demo_Project	add gh preview geodatabase to demo project	1 hour ago
ArcRhino_Module	control autoupdate gh preview	1 hour ago
Presentation Materials	move images to presentation materials folder	17 minutes ago
Rhino_GH_Materials	control autoupdate gh preview	1 hour ago
UseCase	Logo added	3 hours ago
.gitignore	add cache files to ignore	18 hours ago
README.md	update typo	15 minutes ago

README.md

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