



Esri International User Conference | San Diego, CA
Technical Workshops | July 13, 2011

What is Geoprocessing?

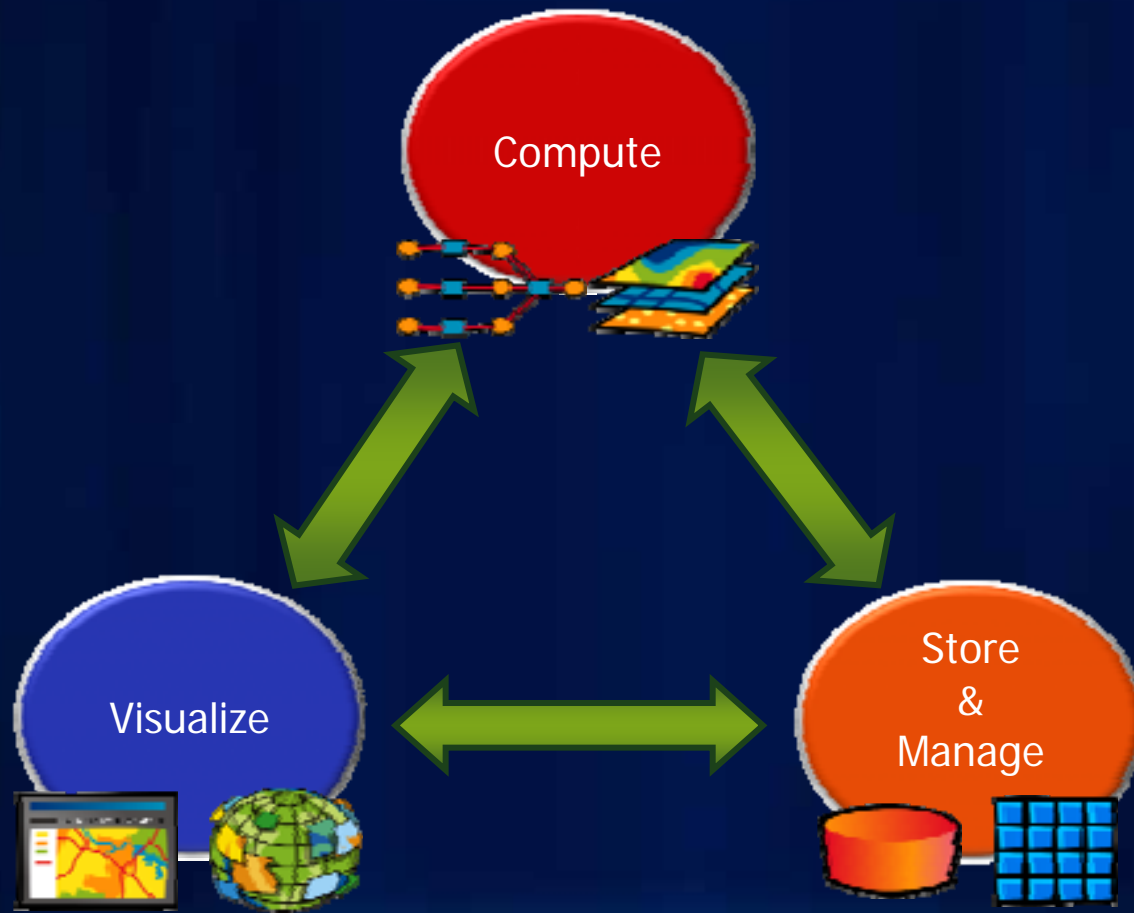
Kenneth Smith



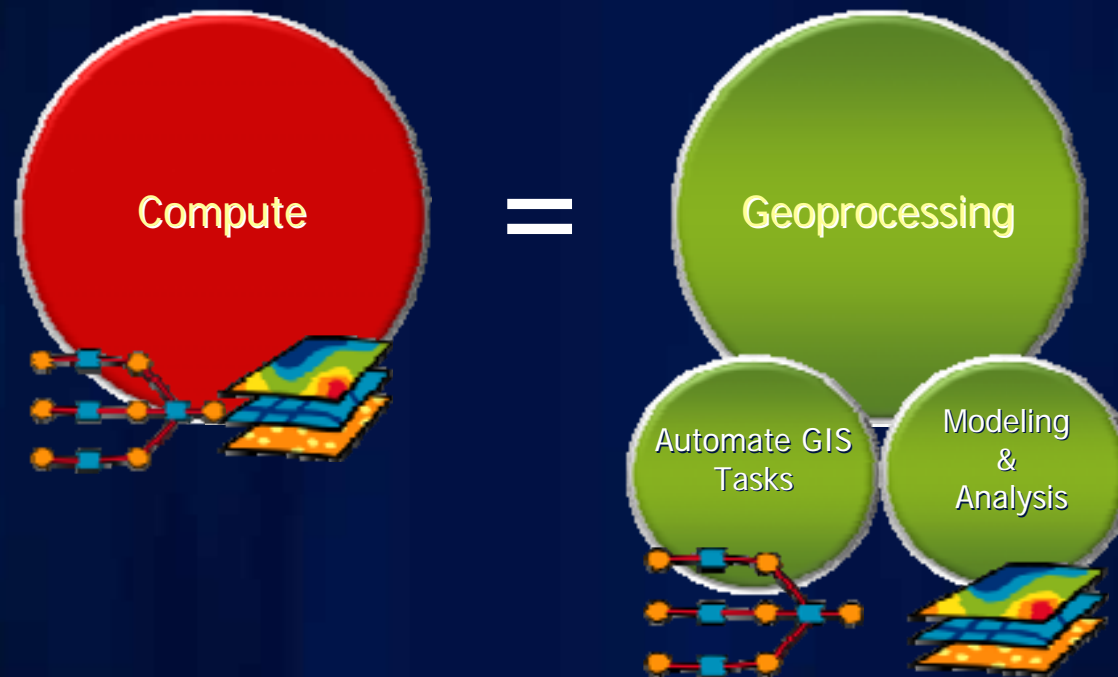
Today's agenda

- Define what Geoprocessing is
- See how to access the functionality
- View examples
- Look at geoprocessing workflow

What is geoprocessing?

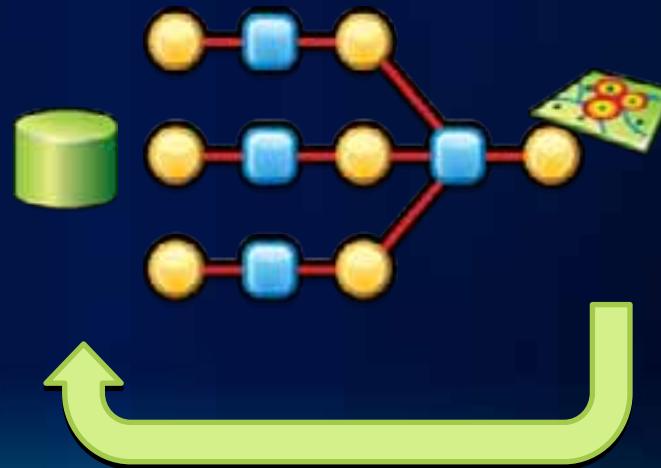


What is geoprocessing?



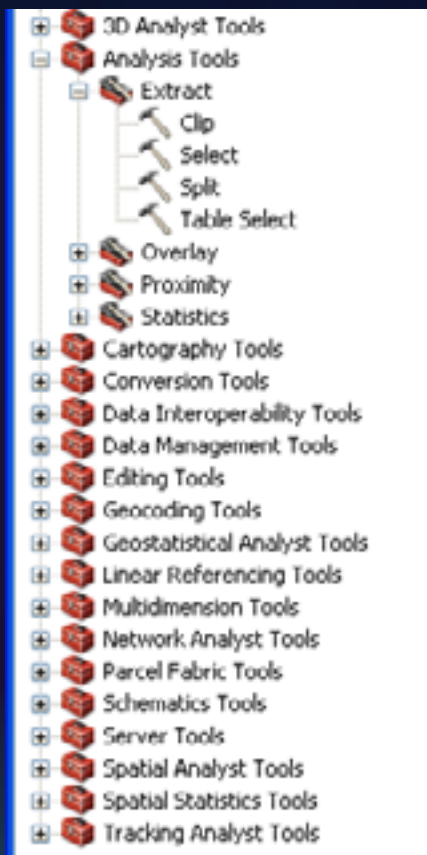
What is geoprocessing?

- The ArcGIS *system* for managing and manipulating data
 - Solve real-world spatial problems
 - Model processes and systems
 - Ask questions; get results

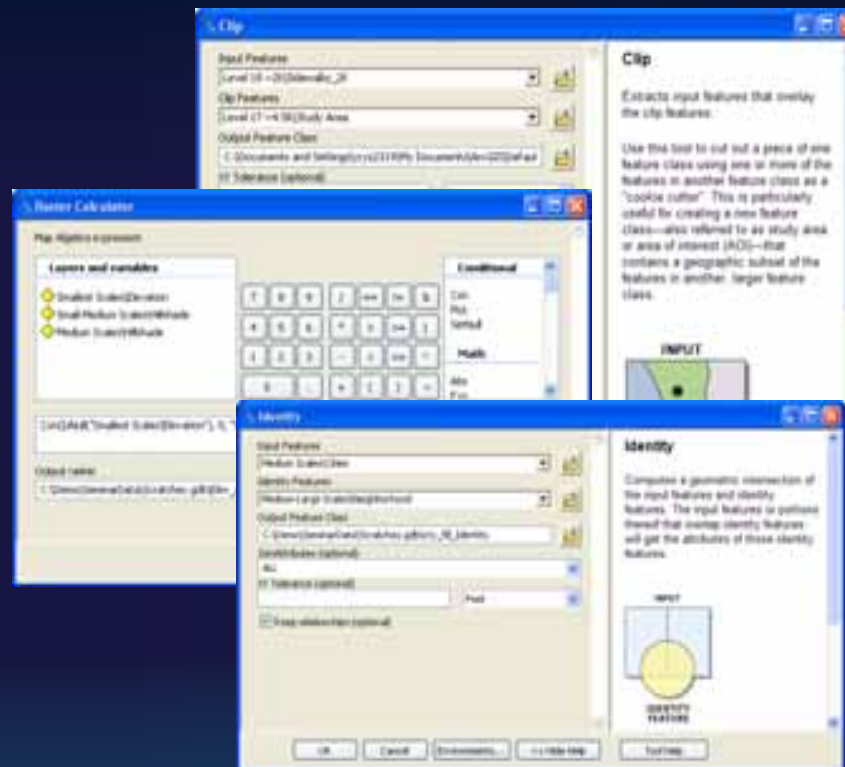


The geoprocessing language

Toolboxes

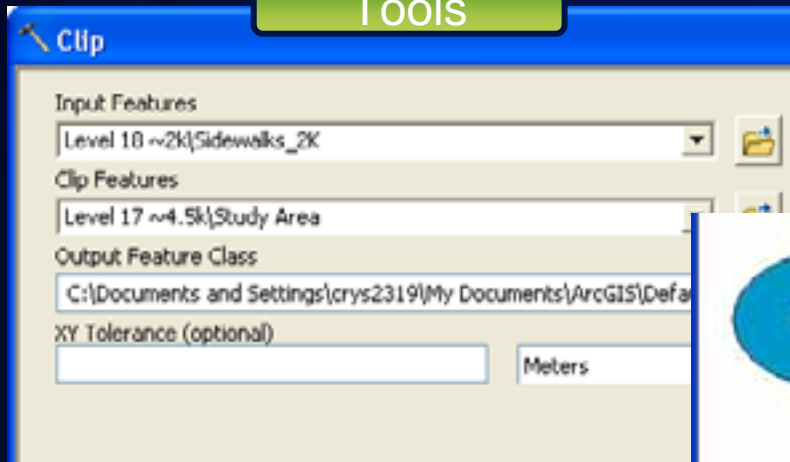


Tools

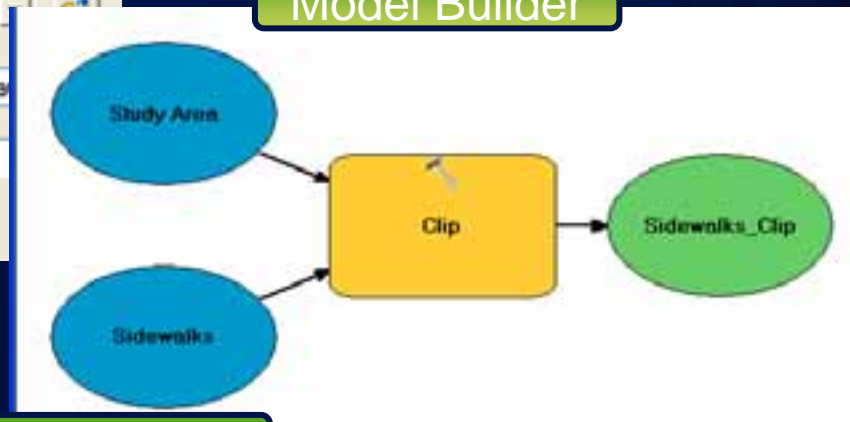


The geoprocessing framework

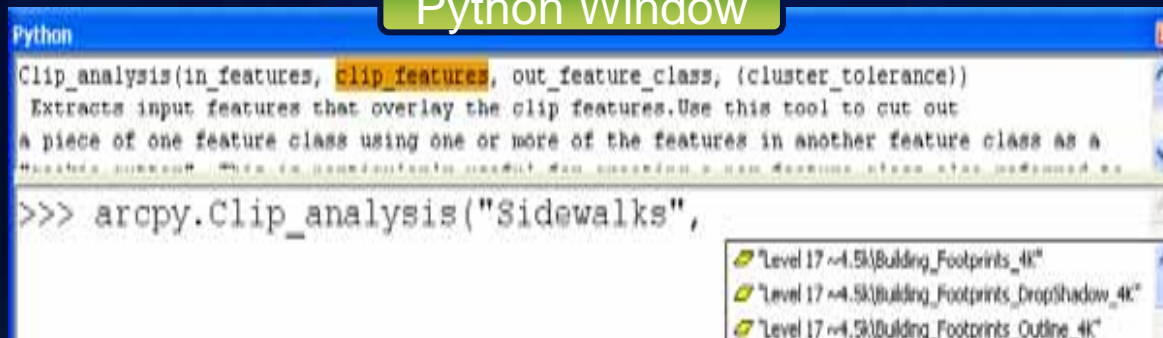
Tools



Model Builder

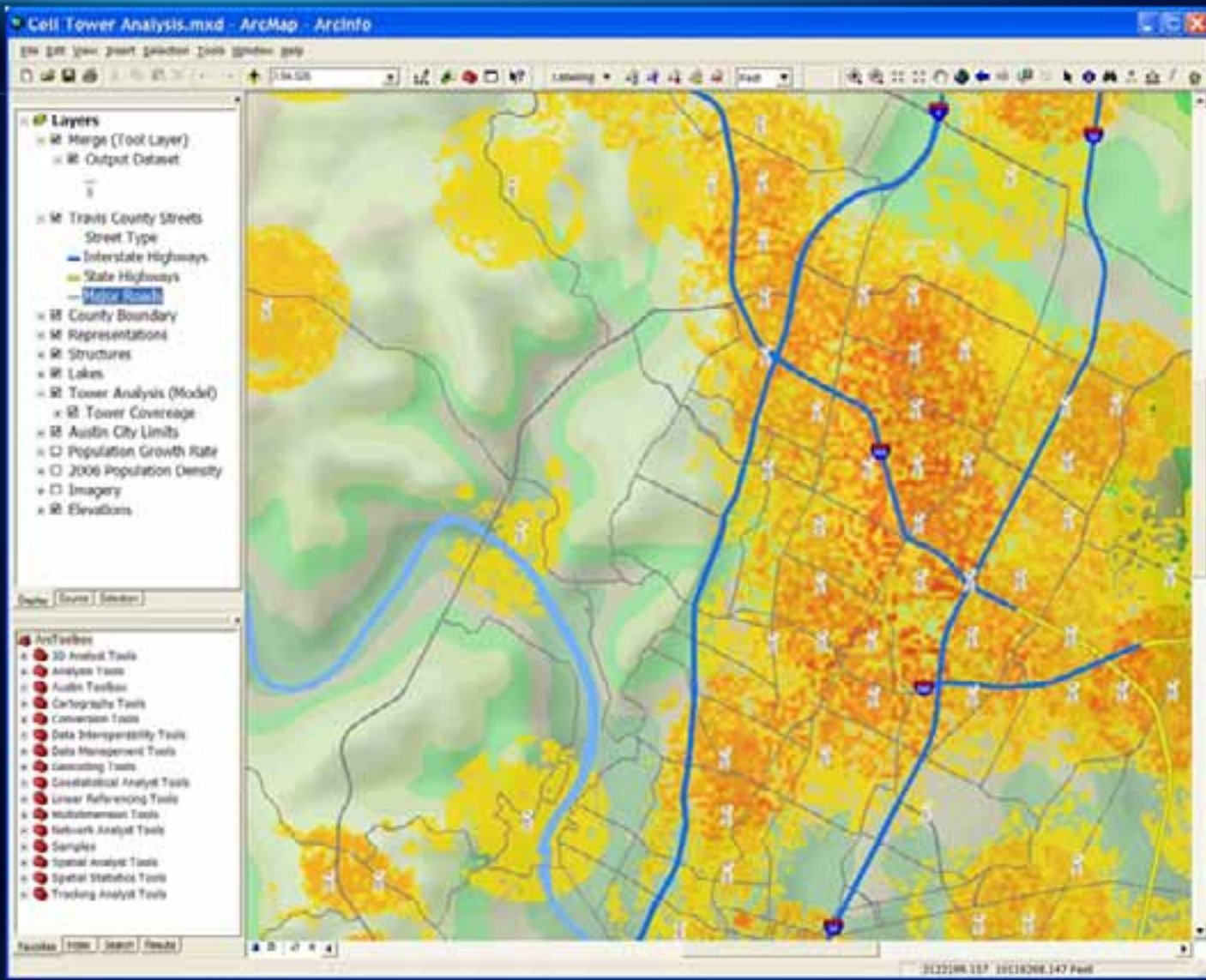


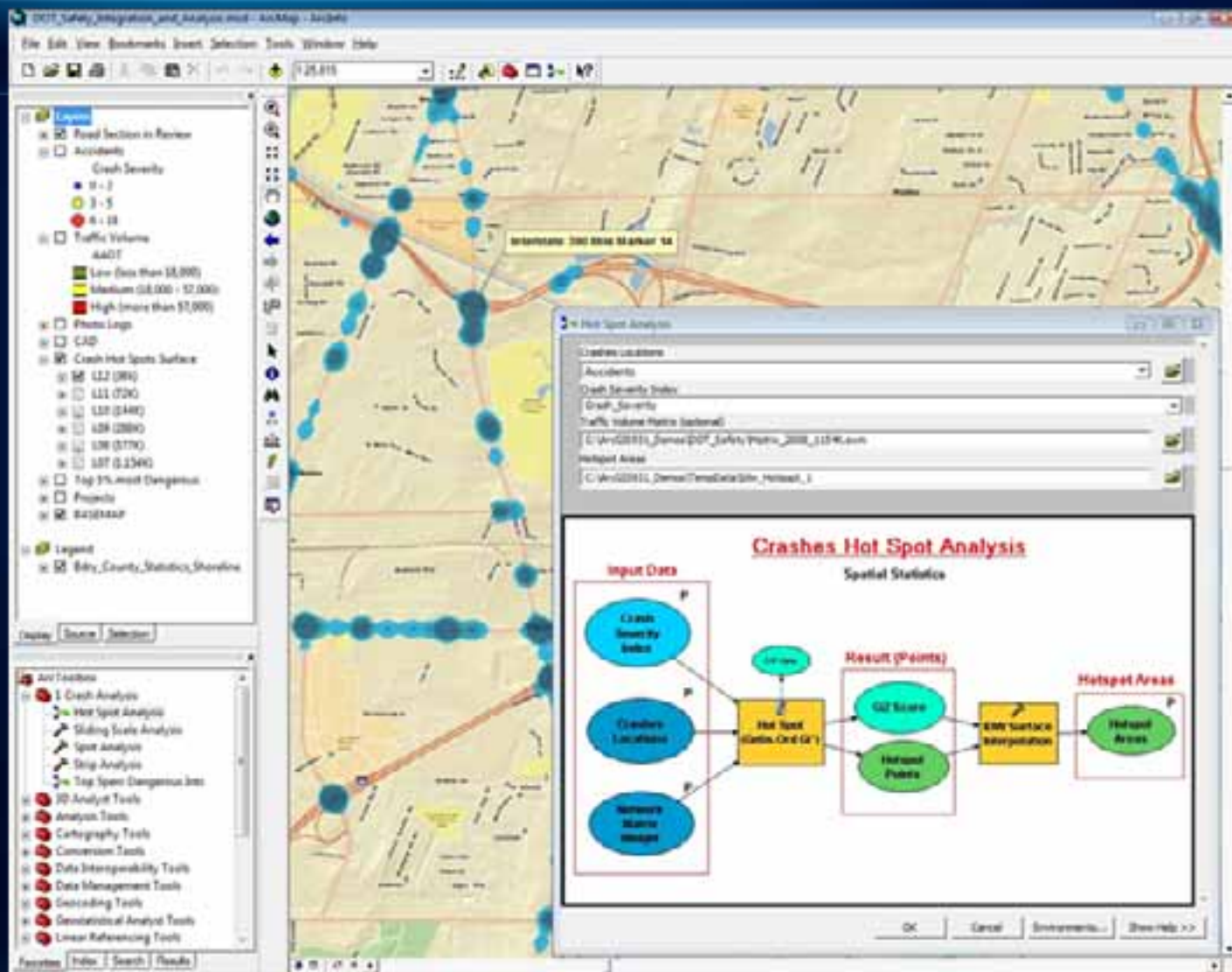
Python Window

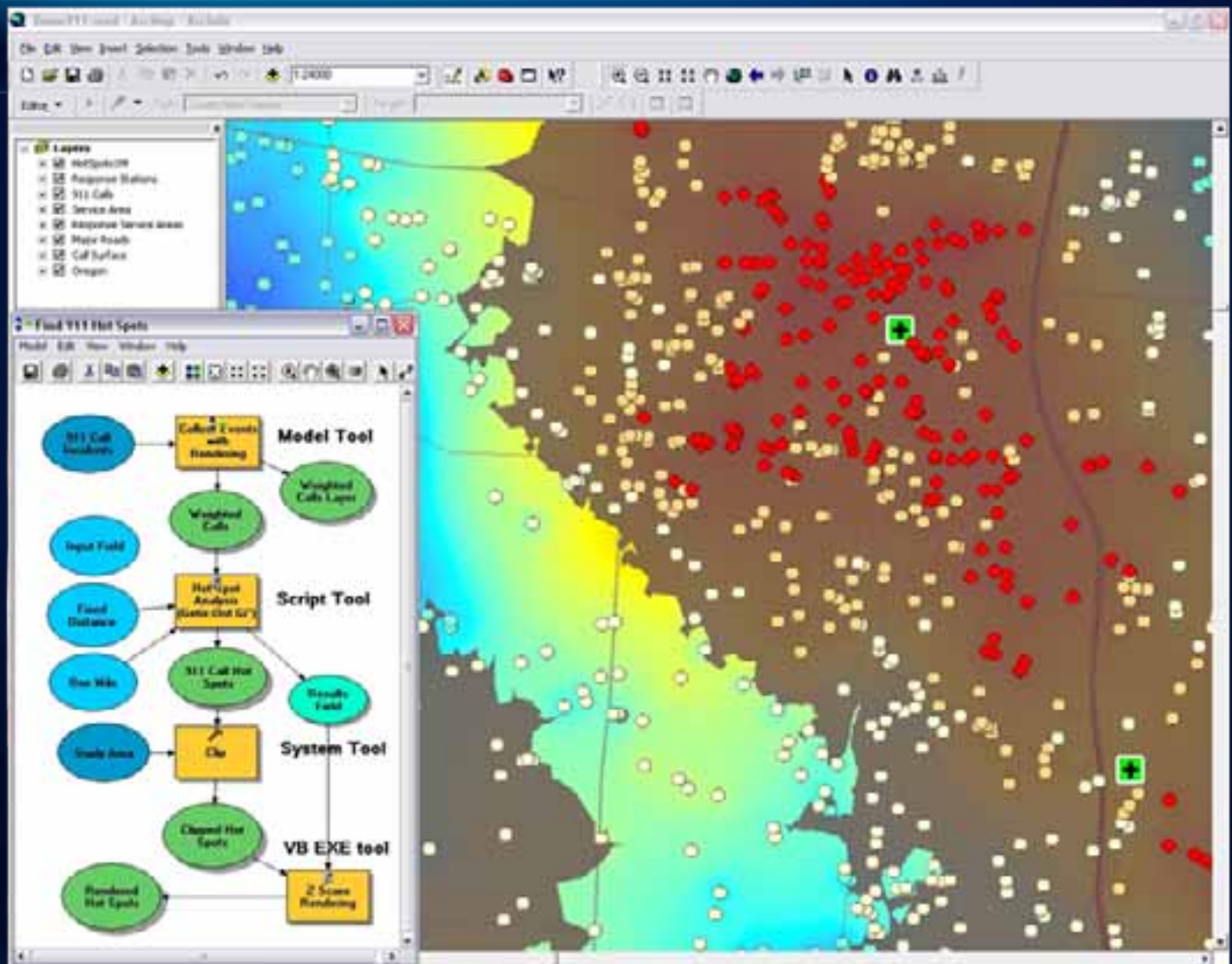


Geoprocessing examples

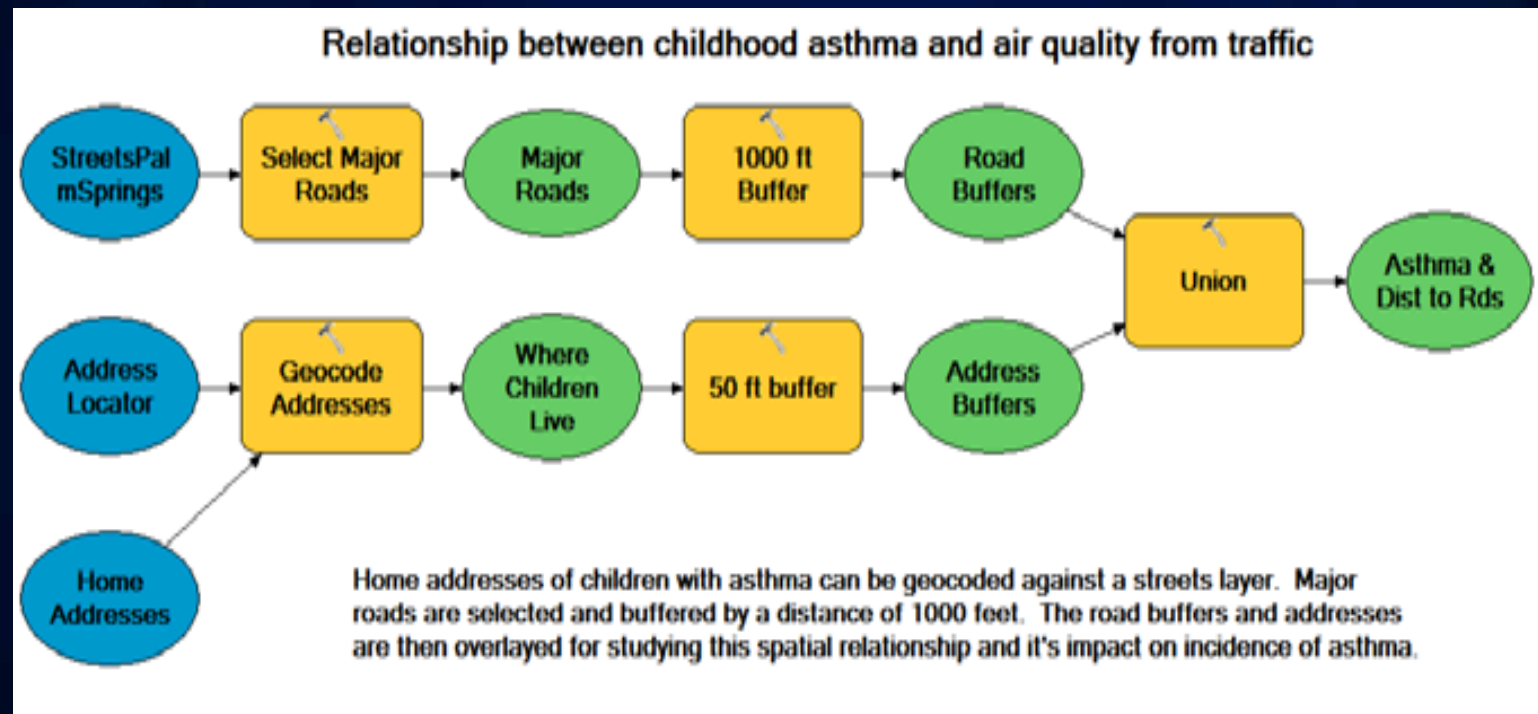






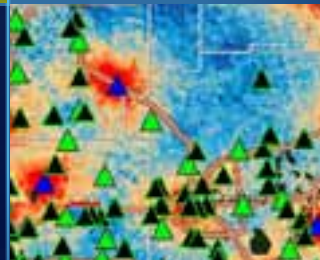
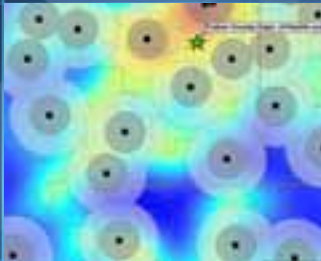


Geoprocessing workflow model



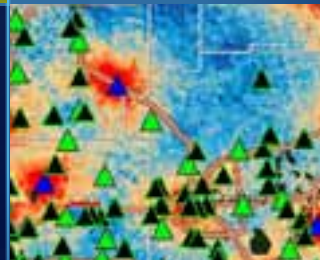
Geoprocessing Demo

Accessing Functionality



Geoprocessing Demo

Performing Analysis



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Geoprocessing

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Model and Script Tool Gallery

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Geoprocessing

Geoprocessing is for everyone that uses ArcGIS. Whether you're a new or advanced user, geoprocessing is likely an essential part of your day-to-day work with ArcGIS. The fundamental purpose of geoprocessing is to provide tools for performing analysis and managing your geographic data. The modeling and analysis capabilities geoprocessing provides make ArcGIS a complete geographic information system.

Geoprocessing provides a large suite of tools for performing GIS tasks that range from simple buffers and polygon overlays to complex regression analysis and image classification. Geoprocessing also provides methods for automating GIS tasks and developing custom workflows that can be shared with others both within and outside your organization.

Learn more about [geoprocessing](#)

Learn more about the role of geoprocessing in ArcGIS

Learn more about [what's new for geoprocessing in ArcGIS 10](#)



To learn more

- There are numerous sessions on geoprocessing
- See the online agenda:
 - <http://events.esri.com/uc/2011/infoWeb/OnlineAgenda/>
 - Search on “geoprocessing”
- Demo Theaters in Exhibit Hall C
 - Spatial Analysis Demo Theater
 - Mapping & Visualization Demo Theater

Thank you for coming!

Please remember to fill out the evaluation form

Questions





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