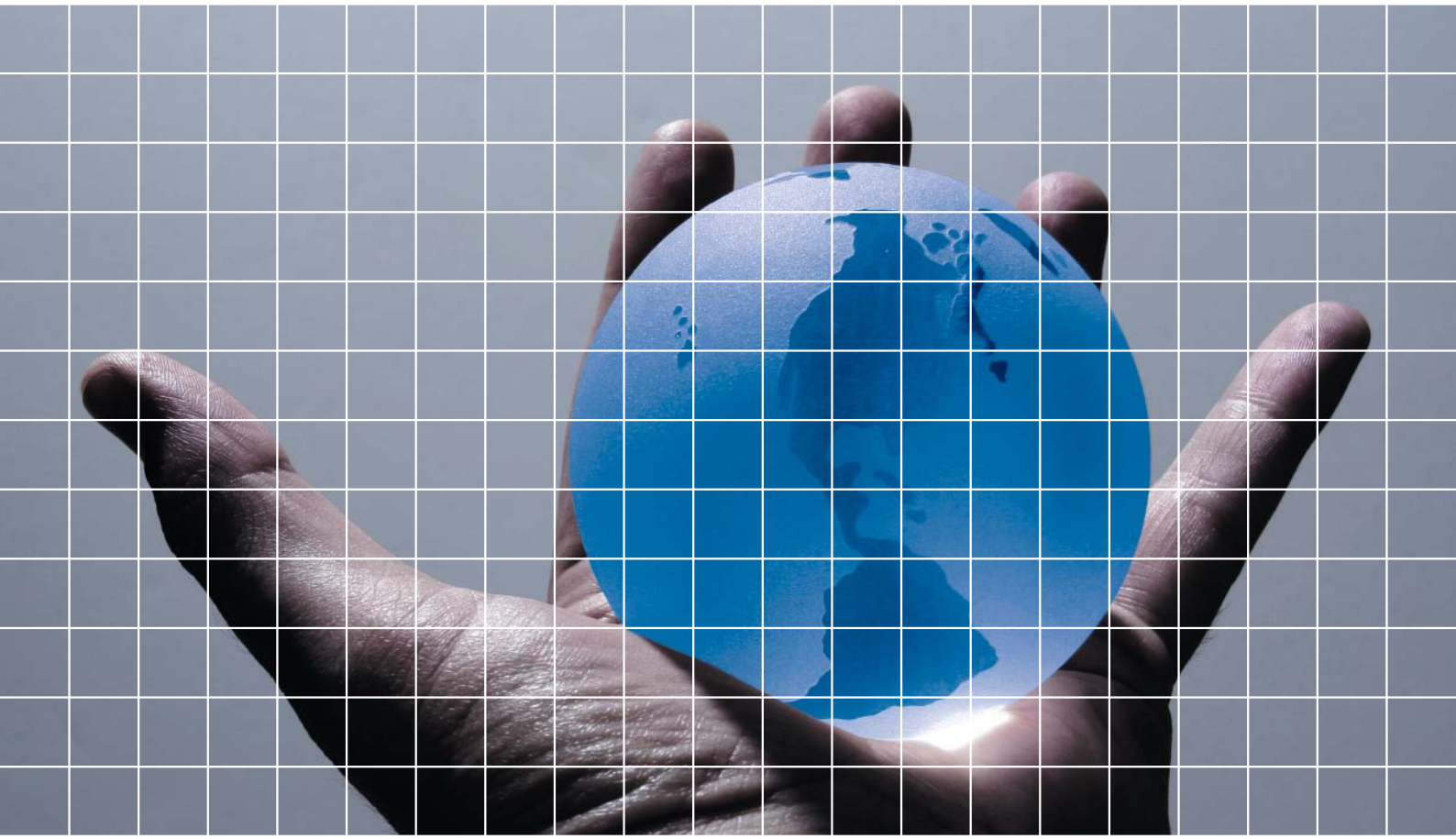
ESRI UK
VISIONARY THINKING

ArcGIS 9.3.1

GIS the way you want it



ArcGIS is the comprehensive platform that enables your organisation to build and share a complete geographic information system. Its interoperability lets users easily author data, maps, globes and models then deploy the extensive GIS functionality wherever it is needed - on desktops, servers, custom applications, over the Web, or in the field.

Built by the world's leading GIS company, with extensive technical support, documentation, training and a large user community, ArcGIS gives you the power to attain tangible answers for complex real-world spatial problems. And now with the introduction of ArcGIS 9.3.1 come quality enhancements and new features to benefit all users throughout every enterprise.

With every release, ESRI focuses on making many small improvements to its ArcGIS family of software products. Even subtle changes often deliver large savings in terms of time and productivity as well as increasing the quality of the software.

What's new in ArcGIS 9.3.1

Quicker

Faster map drawing service
Shorter caching time
Fast access to Microsoft Bing Maps and Imagery
Quick-start GIS projects with ready-to-use content

Better sharing

New ArcGIS online sharing capability lets users search for, save and share maps published by ESRI and others
Better sharing of layers – feature or raster data can be packaged into a single layer for sharing via files, e-mail or ArcGIS Online

Easier to extend

Enhanced support for Java developers

- Ability to extend the ArcGIS/ArcObjects Framework
- Tools for debugging, registering and deploying Java extensions
- Support for Eclipse integrated development environment (IDE)

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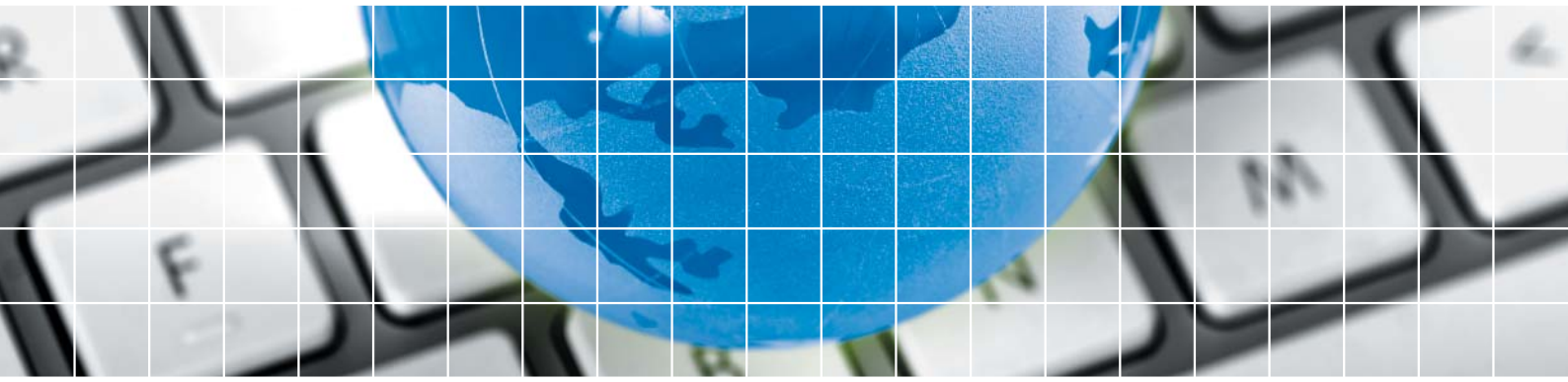

ArcGIS 9.3.1 gives you better results - faster

High-Performance Dynamic Map Publishing

With ArcGIS 9.3.1, ESRI have enhanced the performance of dynamic map services, using significantly improved drawing technology to accelerate map display.

A new toolbar in ArcMap lets you fine-tune your map document by "analysing" it and ensuring you get it right before publishing to ArcGIS Server, by enabling you to:

- Review and respond to errors, unsupported content, and warnings about items that will slow down your dynamic map services
- Preview your map document and estimated rendering time.

The toolbar also allows you to export and save your map document to a map service definition (msd) file, which is optimised for performance in ArcGIS Server. Output images created by the map have been made as small as possible (while maintaining high cartographic standards) – and smaller files mean faster download times, especially on low bandwidth networks.

Fast Access to Microsoft Bing Maps and Imagery

ArcGIS 9.3.1 helps you quick-start GIS projects with ready-to-use material including up-to-date multi-scale mapping content from Microsoft Bing Maps (formerly known as Virtual Earth) which includes aerial imagery, roads, and hybrid (aerial with labels) imagery. Content (imagery, roads, and hybrid) appears as another data layer in GIS, providing excellent background maps on which to overlay operational data.

Making the process even quicker, ArcGIS Desktop and ArcGIS Server can directly connect to Microsoft Bing Maps content via ArcGIS Online - Bing Maps can also be accessed from any Web applications built with ArcGIS Server and ArcGIS Server Web SDKs (including JavaScript, Flex, and Microsoft Silverlight APIs).

Easier to share

ArcGIS 9.3.1 enables layers referencing feature or raster data to be combined into a single layer package, comprising both the layer file and data. These layer packages can then be shared with other users via files, e-mail, or the new ArcGIS Online sharing capability.

ArcGIS Online offers users numerous other sharing advantages:

- Search for maps published by ESRI and other users.
- Upload maps and register online map services.
- Organize and control access to the maps you share.
- Save Web maps as items for others to share, discover, and use.

Easy to extend

ArcGIS 9.3.1 offers enhanced support for Java Developers, giving them the ability to extend the ArcGIS/ArcObjects Framework and create the following extensions in their native language:

- Custom geoprocessing tools
- Server object extensions (SOEs) and utility objects for ArcGIS Server
- Class extensions for customised data behavior in a geodatabase
- Customised rendering of data in ArcMap and ArcGIS Engine applications
- Plug-in data sources

The new release features tools for debugging, registering and deploying Java extensions for ArcGIS. It also incorporates support for Eclipse integrated development environment (IDE), with wizards to generate boilerplate code based on the developer's specification and an autodeploy feature.

To find out more about ArcGIS 9.3.1 and how it can benefit your organisation please visit **www.esriuk.com/931** or contact **sales@esriuk.com**.

ESRI (UK) Ltd Millennium House 65 Walton Street Aylesbury Buckinghamshire HP21 7QG
T 01296 745500 **F** 01296 745544 **E** info@esriuk.com **www.esriuk.com**