

Esri Geospatial Cloud

Rui Santos

2021-12-01

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@ Esri Community. Educação. Perfil.

@ Facebook. @ Linkedin @ Twitter @ Instagram





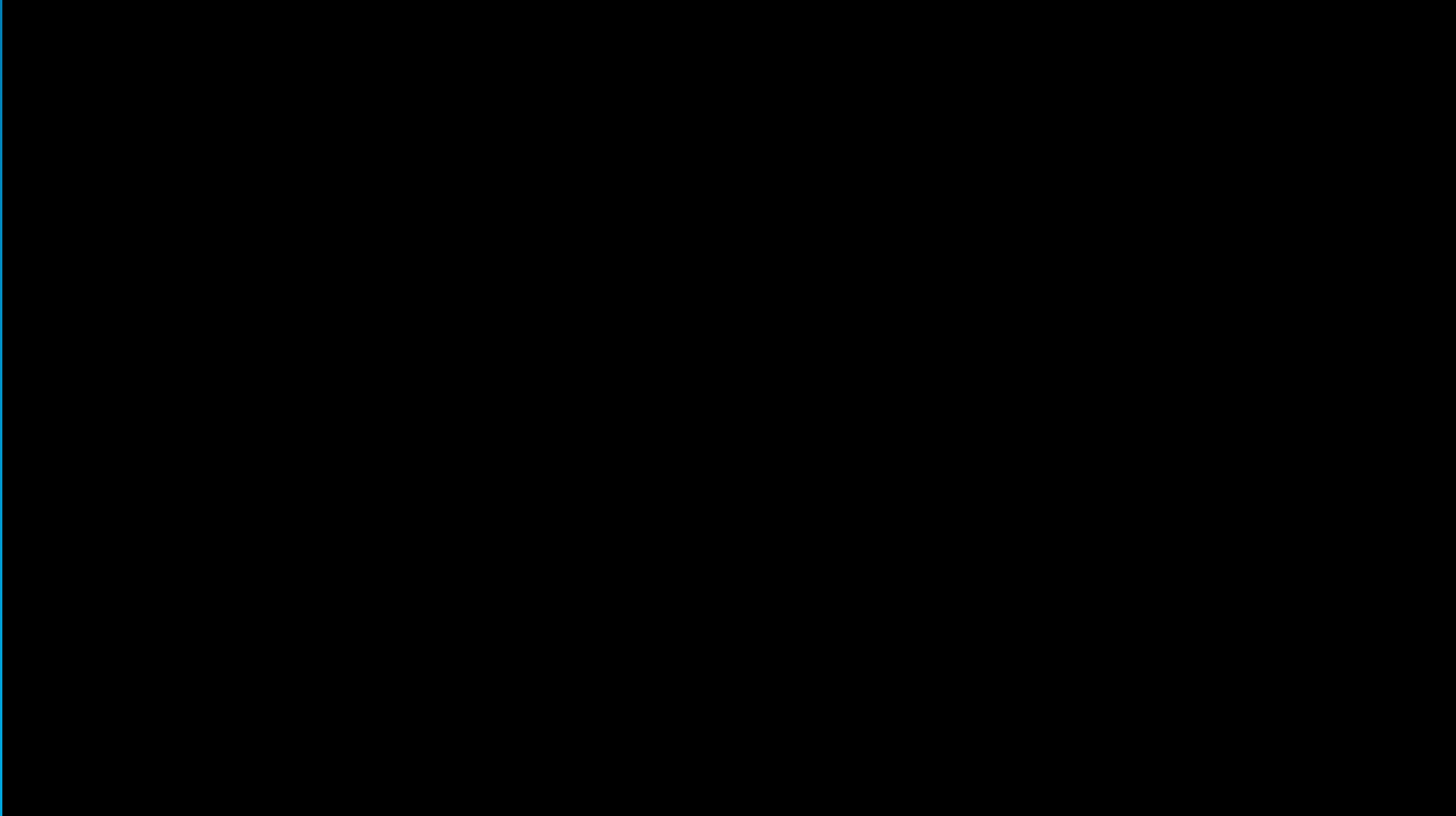
esri™ Portugal

THE SCIENCE OF WHERE™



SEE
WHAT
OTHERS
CAN'T™

The Science of Where. (1m35s). [Link.](#)





O Mundo

Está em evolução numa massiva
Transformação Digital

**Um Sistema
Corporativo**

**Utilizadores
conectados**

**3-clicks ou
menos**

**Uniformidade
em todos os
mapas**

**Tão fácil de
usar como um
smartphone**

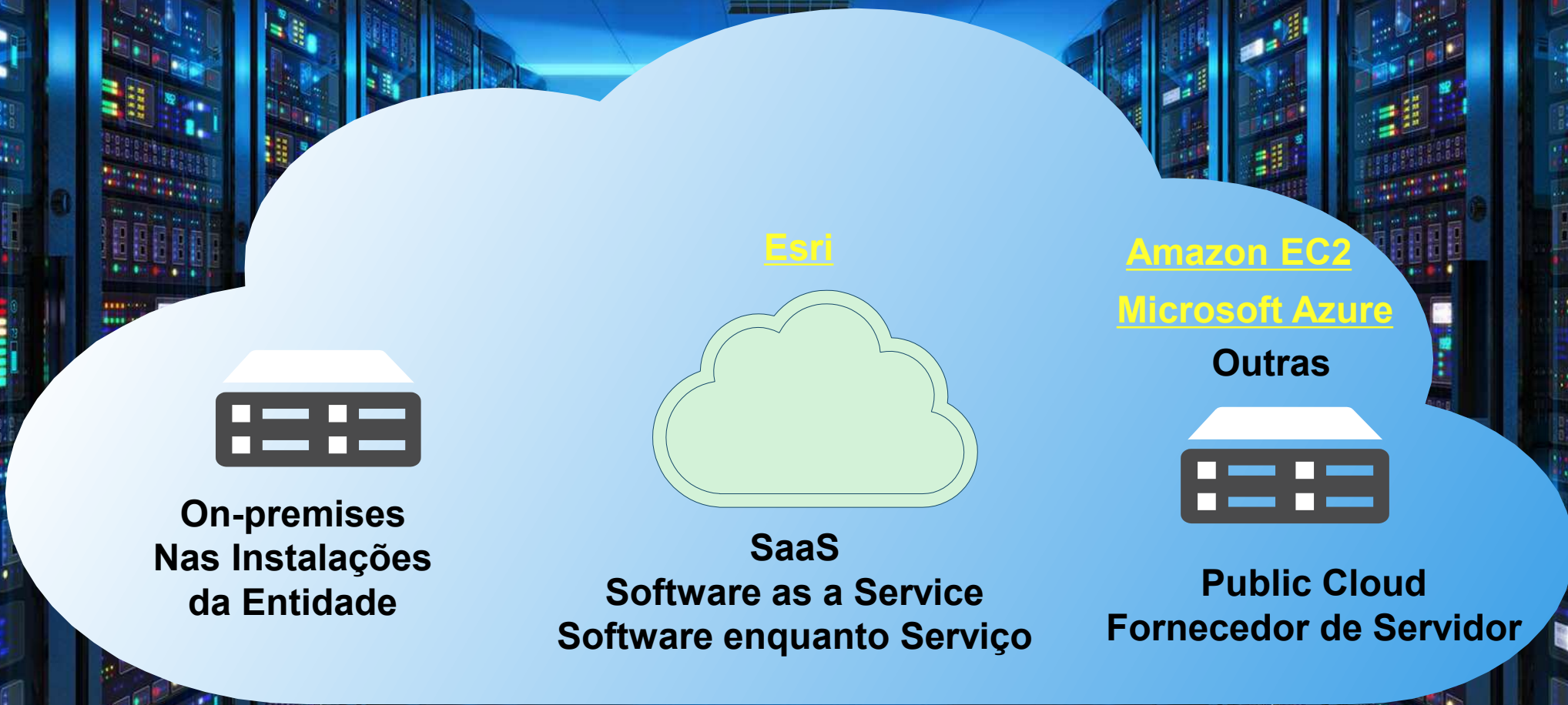
▶ **O que o mercado quer...**



Plataforma ArcGIS

Possibilita que todas as entidades e subcontratados, facilmente descubram, utilizem, façam, e partilhem os seus mapas a partir de qualquer dispositivo, em qualquer lugar, em qualquer momento.

Infra-estrutura. Link.



Esri

Amazon EC2

Microsoft Azure

Outras

**On-premises
Nas Instalações
da Entidade**

**SaaS
Software as a Service
Software enquanto Serviço**

**Public Cloud
Fornecedor de Servidor**



Plataforma ArcGIS: <https://esriurl.com/arcgisplataforma>

Identidade



Web/Online



Templates



Dispositivos

Móveis



Extensões

Desktop

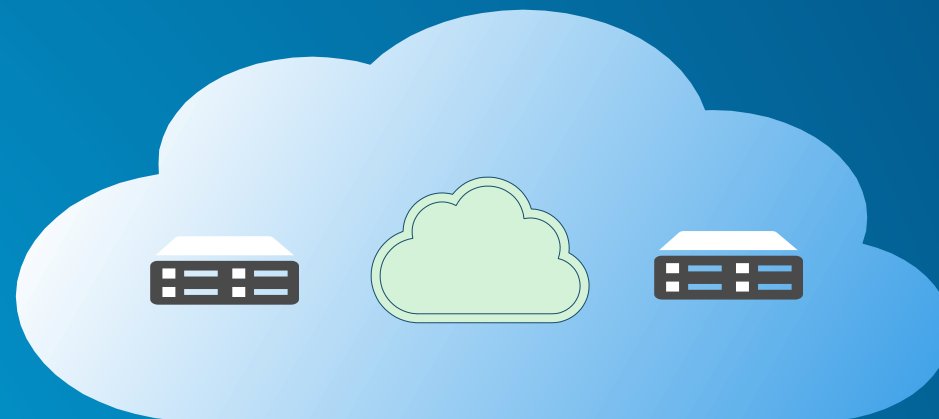


Servidor



Portal

Comunidade Esri



Builders



Suporte Técnico Remoto



Formação



Dados



Storymaps



Recursos



Vídeos



Add Ins...



Identidade. Link.



ACCESS	● ● ● ○ ○
SECURITIES	● ● ○ ○ ○
CAPABILITIES	● ● ● ○ ○



Cristina
Investigadora



Identidade



Pedro
Executivo

ACCESS ●●●●○
SECURITIES ●●●○○
CAPABILITIES ●●●●●



Susana
TI

ACCESS ●●●●○
SECURITIES ●●●○○
CAPABILITIES ●●●○○



Conceição
Contabilidade

ACCESS ●●●●○
SECURITIES ●●●●●
CAPABILITIES ●●●●○



David
Operações

ACCESS ●●●●●
SECURITIES ●●●○○
CAPABILITIES ●●●●○



Cristina
Investigadora

ACCESS ●●●○○
SECURITIES ●●○○○
CAPABILITIES ●●●○○



Luís
Reitoria



António
Estudante



Filipa
Compras



Joaquim
Manutenção



Maria
Docente



Identidade

- Anónimo.
- Conta Pública.
- Programadores.
- Organização.
 - Email.
 - Nome de utilizador.
 - Nome de Utilizador + Senha.
 - SSO (Single Sign On / Sistemas Empresariais)
- A identidade é o que nos permite colaborar.

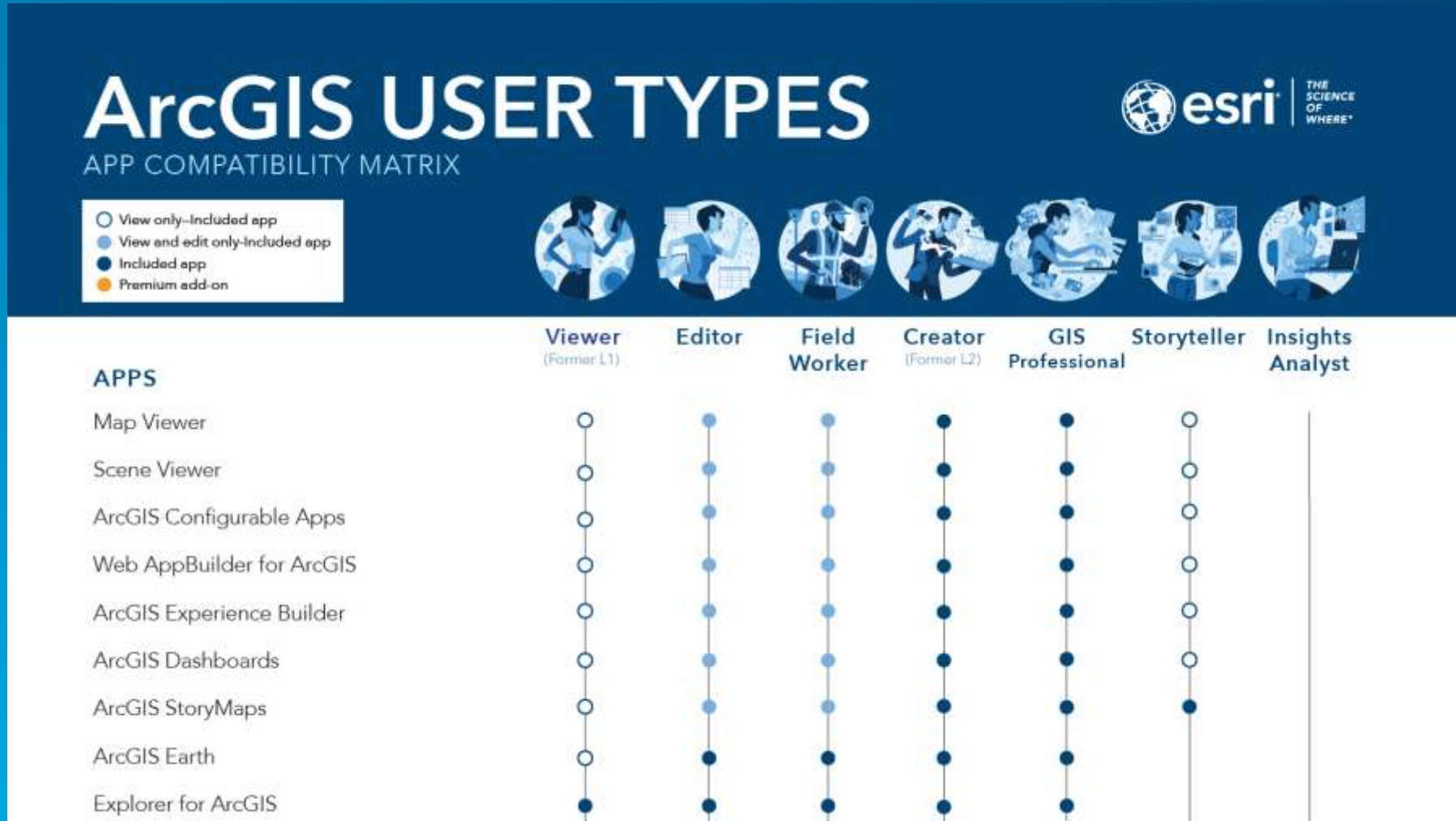


Vários Sistemas

- ArcGIS Online (<https://www.arcgis.com/>) e/ou ArcGIS Portal.
- My Esri (<https://my.esri.com/>).
 - Download de Software.
 - Esri Academy.
 - Atribuir permissões de formação.
 - Adicionar formandos.
 - Ver informações de formação.
- Suporte Técnico Remoto.
 - Atribuir autores de chamadas autorizadas.
 - Visualizar informações de suporte.



ArcGIS User Types. [Link.](#)



Tipos de Utilizador ArcGIS. Link.

Viewer



Editor



Field Worker



Creator



GIS Professional



Insights Analyst



Visualizar

- Essential Apps Bundle

Editar

- Essential Apps Bundle
- Field Apps Bundle

Criar

- Essential Apps Bundle
- Field Apps Bundle
- Office Apps Bundle
- Essential Apps Bundle
- Field Apps Bundle
- Office Apps Bundle
- ArcGIS Pro

Analisar

- Insight for ArcGIS

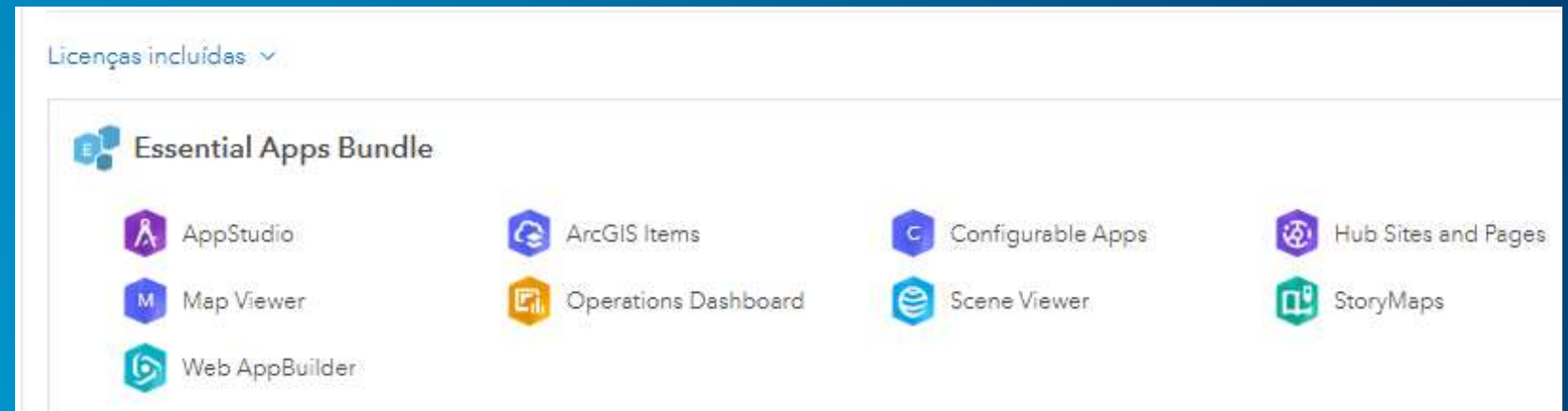


Tipos de Utilizador ArcGIS: Viewer. [Link.](#)

Viewer



- **Visualiza** de forma segura conteúdos através de apps e mapas;
- **Monitoriza** a performance de projetos através de dashboards;
- Usa informação geográfica para tomar decisões.

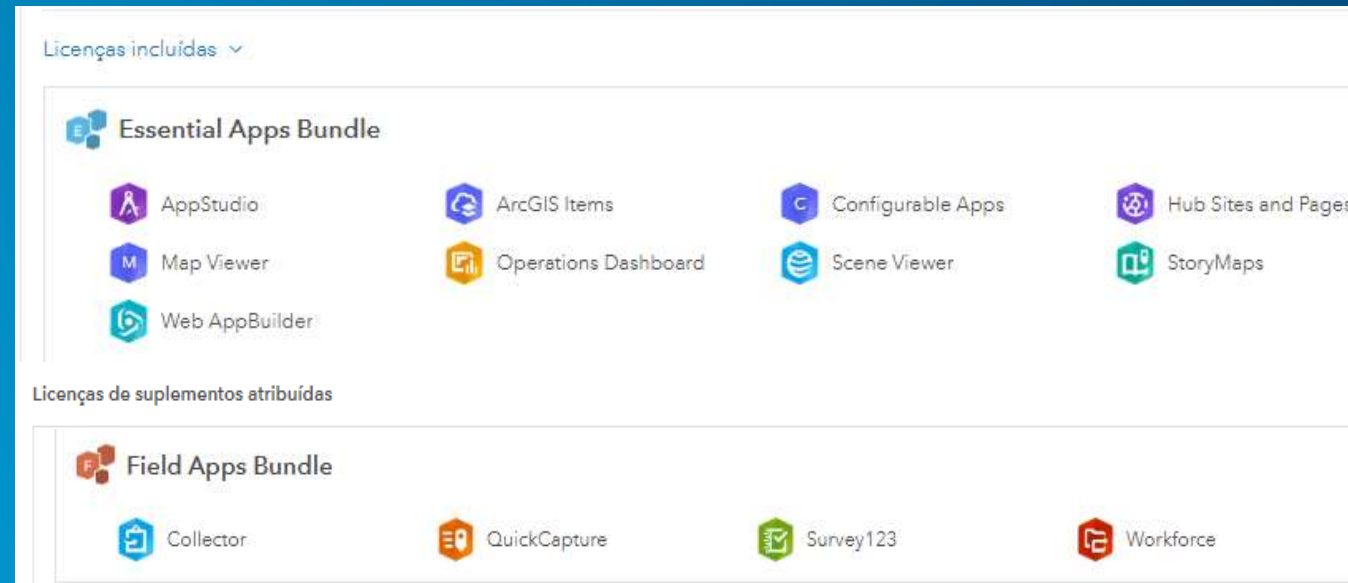


Tipos de Utilizador ArcGIS: Editor. [Link.](#)

Editor



- **Adiciona e modifica** dados utilizando apps;
- **Verifica e edita** dados provindos do trabalho de campo para melhorar a sua precisão;
- **Visualiza** de forma segura conteúdos através de apps e mapas.



Tipos de Utilizador ArcGIS: Field Worker. [Link.](#)

Field Worker



- Usa apps para recolher, verificar e avaliar dados;
- Integra dados recolhidos em campo mantendo a integridade das bases de dados;
- Partilha actualizações em tempo real com os colegas.

Licenças incluídas ▾

Essential Apps Bundle

- AppStudio
- ArcGIS Items
- Configurable Apps
- Hub Sites and Pages
- Map Viewer
- Operations Dashboard
- Scene Viewer
- StoryMaps
- Web AppBuilder

Field Apps Bundle

- Collector
- QuickCapture
- Survey123
- Workforce



Tipos de Utilizador ArcGIS: Creator. [Link.](#)



Creator

- Cria mapas e apps através dos dados obtidos pela organização
- Acede a dados da organização para gerir o trabalho e expandir análises. Analisa dados para desvendar padrões
- Partilha mapas com os decisores através de uma variedade de ready-to-use apps

Licenças incluídas

- Office Apps Bundle
 - ArcGIS Maps for Office
 - ArcGIS Maps for SharePoint
- Essential Apps Bundle
 - AppStudio
 - ArcGIS Items
 - Configurable Apps
 - Hub Sites and Pages
 - Map Viewer
 - Operations Dashboard
 - Scene Viewer
 - StoryMaps
 - Web AppBuilder
- Field Apps Bundle
 - Collector
 - QuickCapture
 - Survey123
 - Workforce

Licenças de suplementos atribuídas

- ArcGIS Urban Suite
 - ArcGIS Urban
 - CityEngine
- Drone2Map for ArcGIS
- GeoPlanner for ArcGIS
- AppStudio for ArcGIS Standard
- ArcGIS Community Analyst
- Navigator for ArcGIS
- ArcGIS Business Analyst Web and Mobile Apps



Tipos de Utilizador ArcGIS: GIS Professional. [Link.](#)



GIS Professional

- **Cria e gere** dados geográficos 2D e 3D
- **Acede** a dados da organização para gerir o trabalho e expandir análises
- **Produz mapas** avançados com facilidade
- **Usa ferramentas de análise científica** para aprofundar o conhecimento
- **Partilha** mapas, apps e conhecimento com a equipa

The screenshot displays the ArcGIS license management interface. It is divided into two main sections: 'Licenças incluídas' (Included Licenses) and 'Licenças de suplementos atribuídas' (Attributed Supplement Licenses).

Licenças incluídas:

- Office Apps Bundle:** Includes ArcGIS Maps for Office and ArcGIS Maps for SharePoint.
- Essential Apps Bundle:** Includes AppStudio, ArcGIS Items, Configurable Apps, Hub Sites and Pages, Map Viewer, Operations Dashboard, Scene Viewer, and StoryMaps.
- Field Apps Bundle:** Includes Collector, QuickCapture, Survey123, and Workforce.
- ArcGIS Pro Advanced:** A single license box.

Licenças de suplementos atribuídas:

- ArcGIS Urban Suite:** Includes ArcGIS Urban and CityEngine.
- Drone2Map for ArcGIS**
- GeoPlanner for ArcGIS**
- AppStudio for ArcGIS Standard**
- ArcGIS Community Analyst**
- Navigator for ArcGIS**
- ArcGIS Business Analyst Web and Mobile Apps**

A red arrow points to the 'Licenças de suplementos atribuídas' section header.

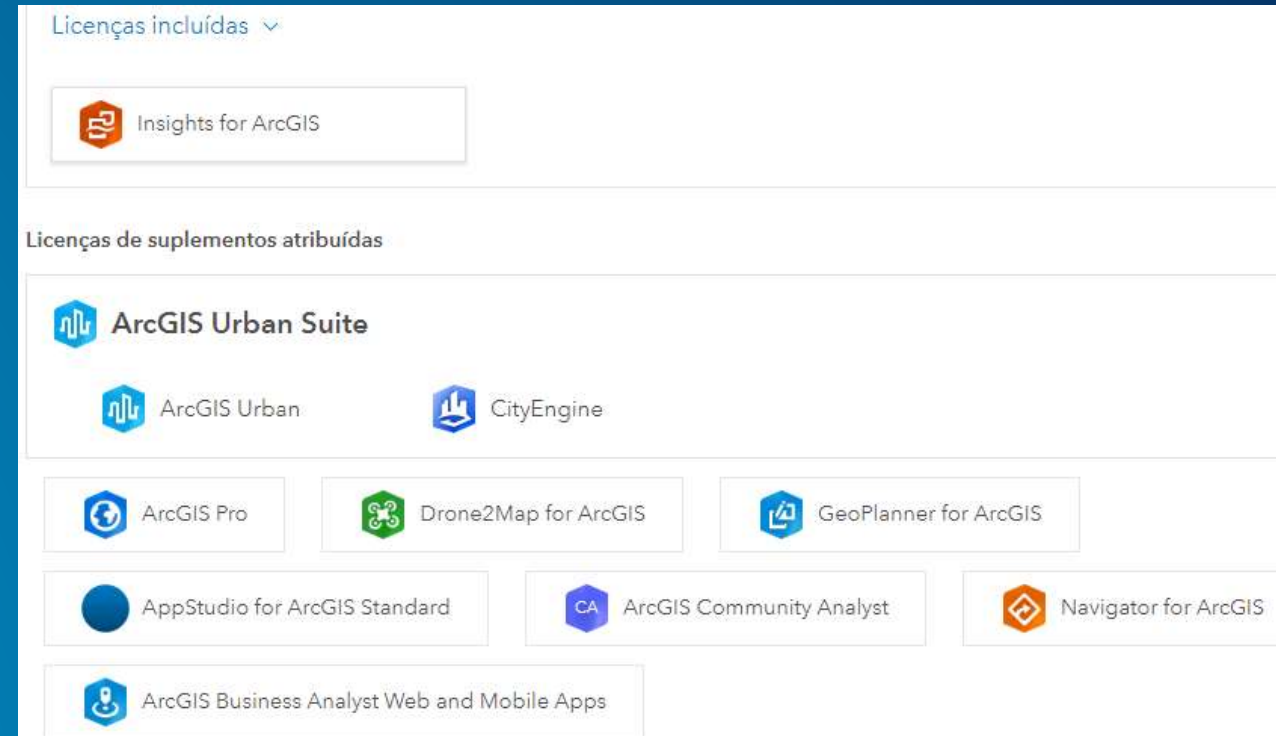


Tipos de Utilizador ArcGIS: Insights for ArcGIS. [Link.](#)



Insights for ArcGIS

- Analisa dados espaciais e comerciais;
- Realiza análises estatísticas e exploratórias
- Acede diretamente a dados do Enterprise GIS e a base de dados (Oracle, SQL Server, SAP HANA)
- Exporta conjuntos de dados resultantes da sua análise em sistemas de terceiros



Dificuldades em iniciar sessão? [Link.](#)

ArcGIS

Preços

Mapa

Cena 3D

Ajuda



Iniciar sessão

Dificuldades em iniciar sessão?

Selecione o item que melhor descreve o problema que está a ocorrer.

Não se lembra do seu nome de utilizador?

Forneça o **endereço de correio eletrónico** associado ao seu início de sessão. Enviaremos o(s) nome(s) de utilizador associado(s) a esse endereço para o mesmo.

Correio eletrónico:

ENVIAR

Não se lembra da sua palavra-passe?

Para redefinir a sua palavra-passe, forneça o **nome de utilizador** associado à sua conta.

Nome de Utilizador:

CONTINUAR

Precisa de ajuda com a autenticação multi-fator?

Para obter ajuda na autenticação multi-fator, forneça o **nome de utilizador** associado ao seu início de sessão.

Nome de Utilizador:



CONTINUAR

[Centro de Confiança](#) [Aviso Legal](#) [Entre em contacto com a Esri](#) [Denunciar Abuso](#)



Web/Online. Link.

ArcGIS  Visão Geral Preços Mapa Cena 3D Ajuda

 Pesquisar 

Capture



ArcGIS Online

Ligue pessoas, localizações e dados utilizando mapas interactivos.
Trabalhe com estilos inteligentes, focados nos dados e
ferramentas de análise intuitivas. Ligue pessoas, localizações e
dados utilizando mapas interactivos.

Saiba mais sobre ArcGIS Online →

Iniciar sessão



Modelos. [Link1](#). [Link2](#).



Modelos. [Link1](#). [Link2](#).



Galeria de Categoria



Galeria Mínima



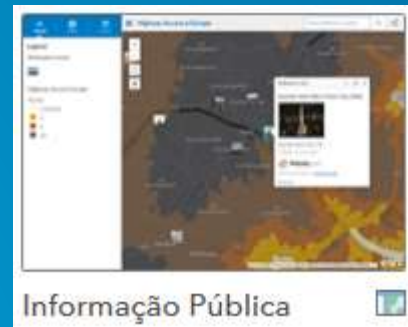
GeoFormulário



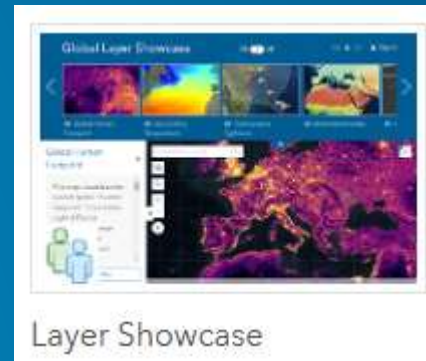
Gerenciador de
Informações Coletivas



Grupo de Informações
Coletivas



Informação Pública



Layer Showcase



Legenda Interativa



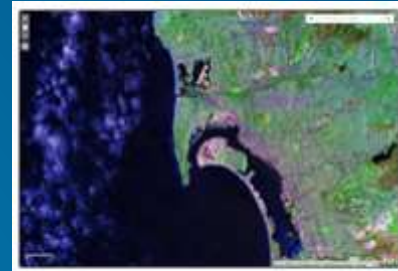
Modelos. [Link1](#). [Link2](#).



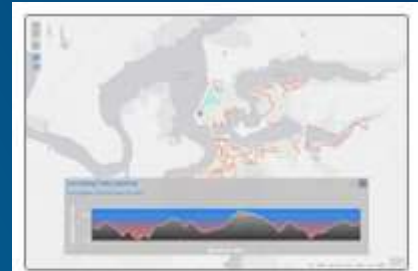
Mapa de Mídia



Máscara de Imagem



Minimalista



Perfil de Elevação



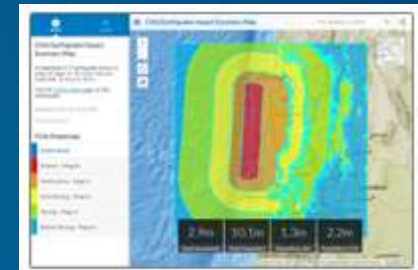
Perspectiva do Local



Pesquisa de Informação



Pesquisa de Zona



Resumo de Impacto



Modelos. [Link1](#). [Link2](#).



Story Map Basic



Story Map Cascade



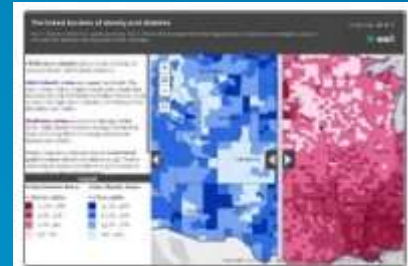
Story Map Journal



Story Map Series



Story Map Shortlist



Story Map Swipe and Spyglass



Story Map Tour



Transmissor de Informações Coletivas



Modelos. [Link1](#). [Link2](#).



Visita de Imagem



Visualização de Dados 3D



Visualizador Básico



Visualizador de Anexo



Visualizador de Cena Simples



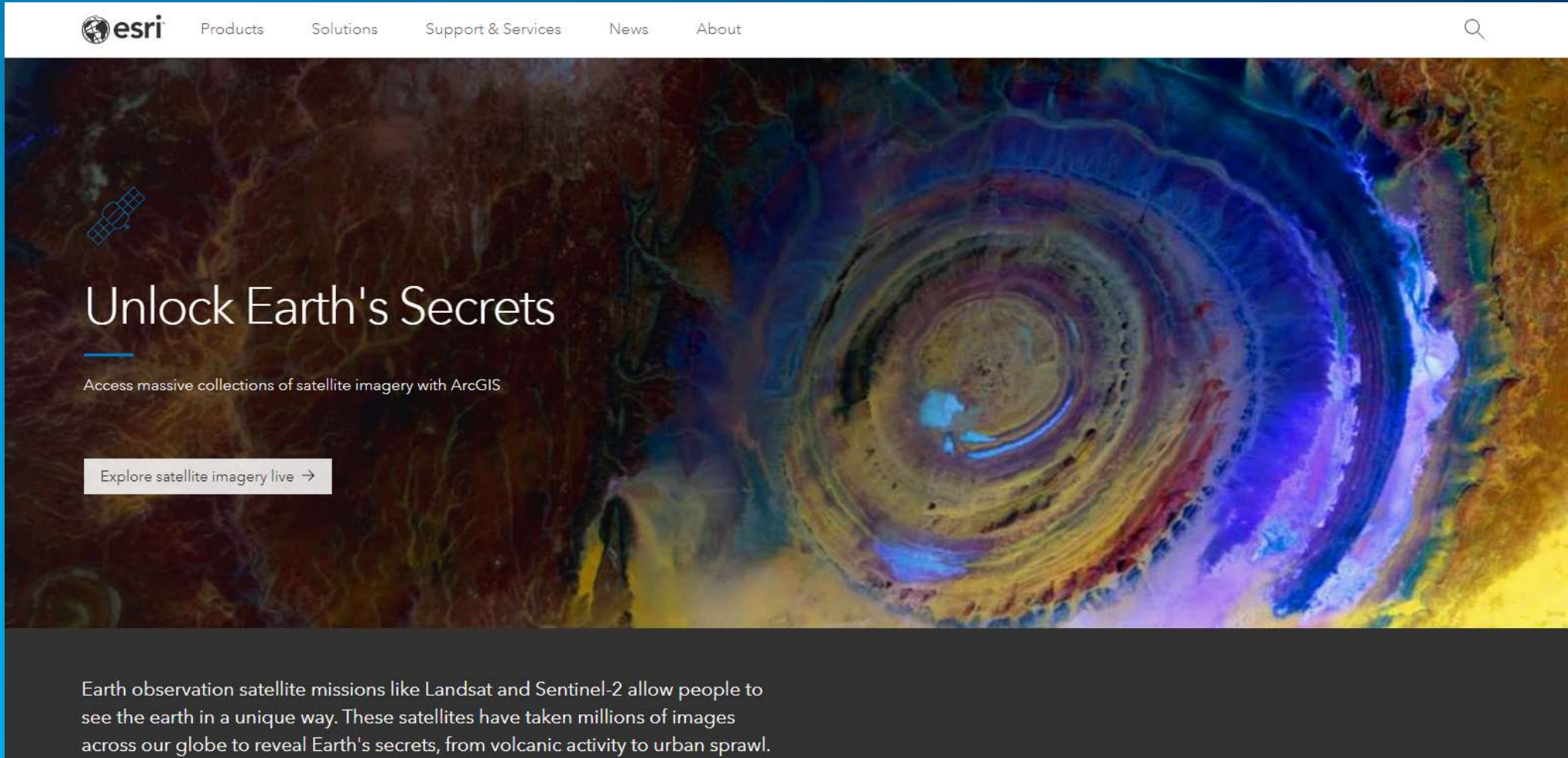
Visualizador de Imagem



Visualizador de Resumo



Unlock Earth's Secrets – [Link.](#)




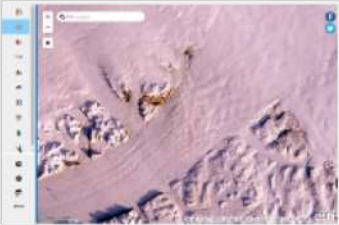


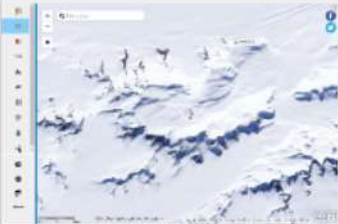
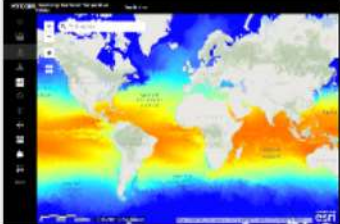
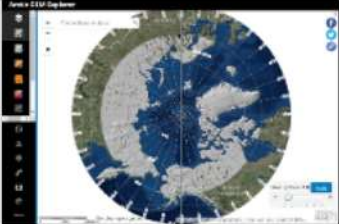
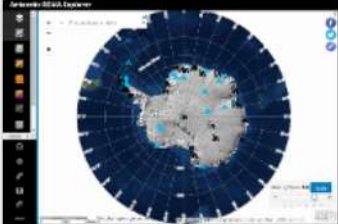


The screenshot shows the Esri website header with navigation links: Products, Solutions, Support & Services, News, and About. A search icon is located in the top right corner. The main content area features a large satellite image of a circular geological formation. The text "Unlock Earth's Secrets" is prominently displayed, followed by the subtext "Access massive collections of satellite imagery with ArcGIS". A button labeled "Explore satellite imagery live →" is positioned below the text. At the bottom of the main content area, a paragraph reads: "Earth observation satellite missions like Landsat and Sentinel-2 allow people to see the earth in a unique way. These satellites have taken millions of images across our globe to reveal Earth's secrets, from volcanic activity to urban sprawl."



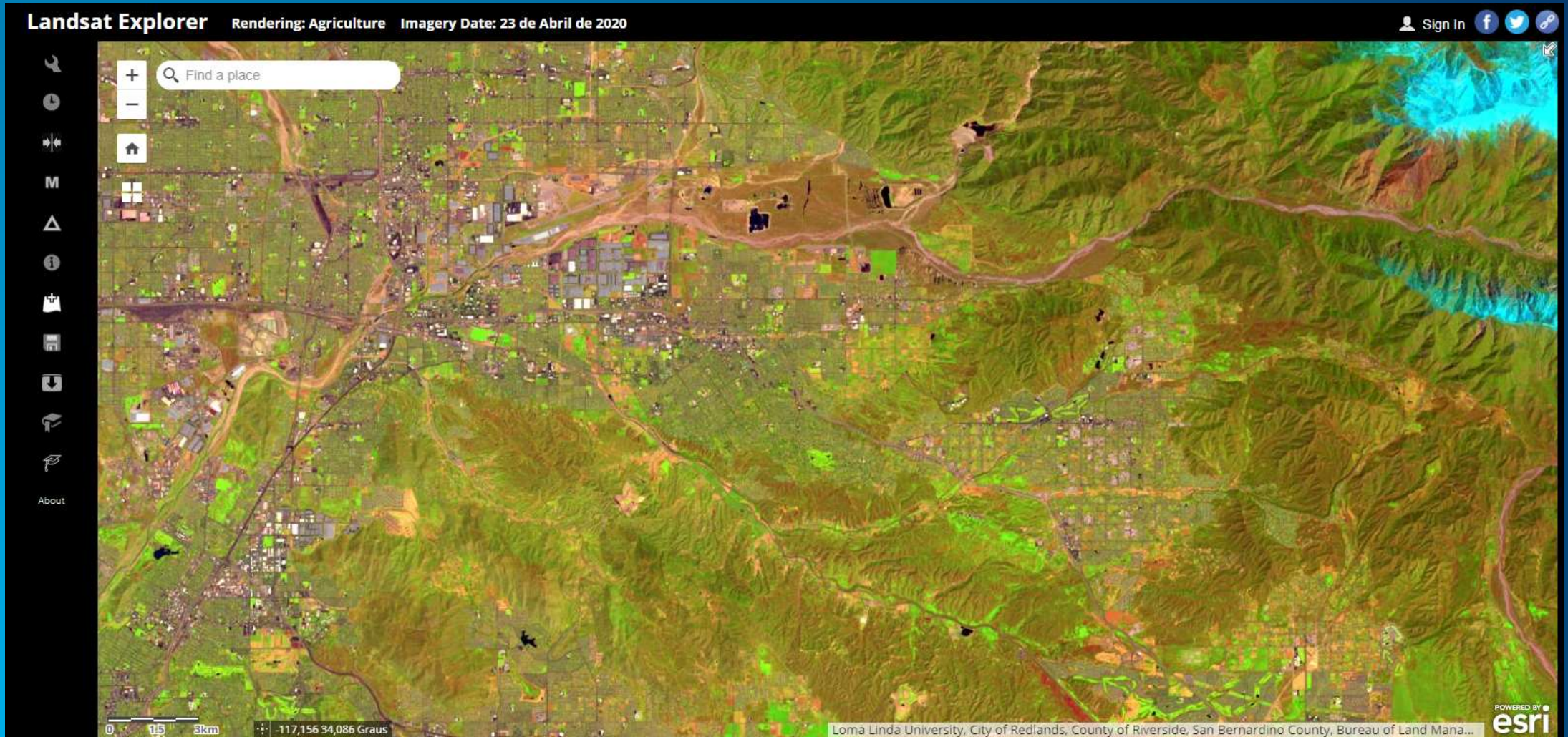
Esri Imagery Apps – [Link.](#)

Esri Imagery Apps

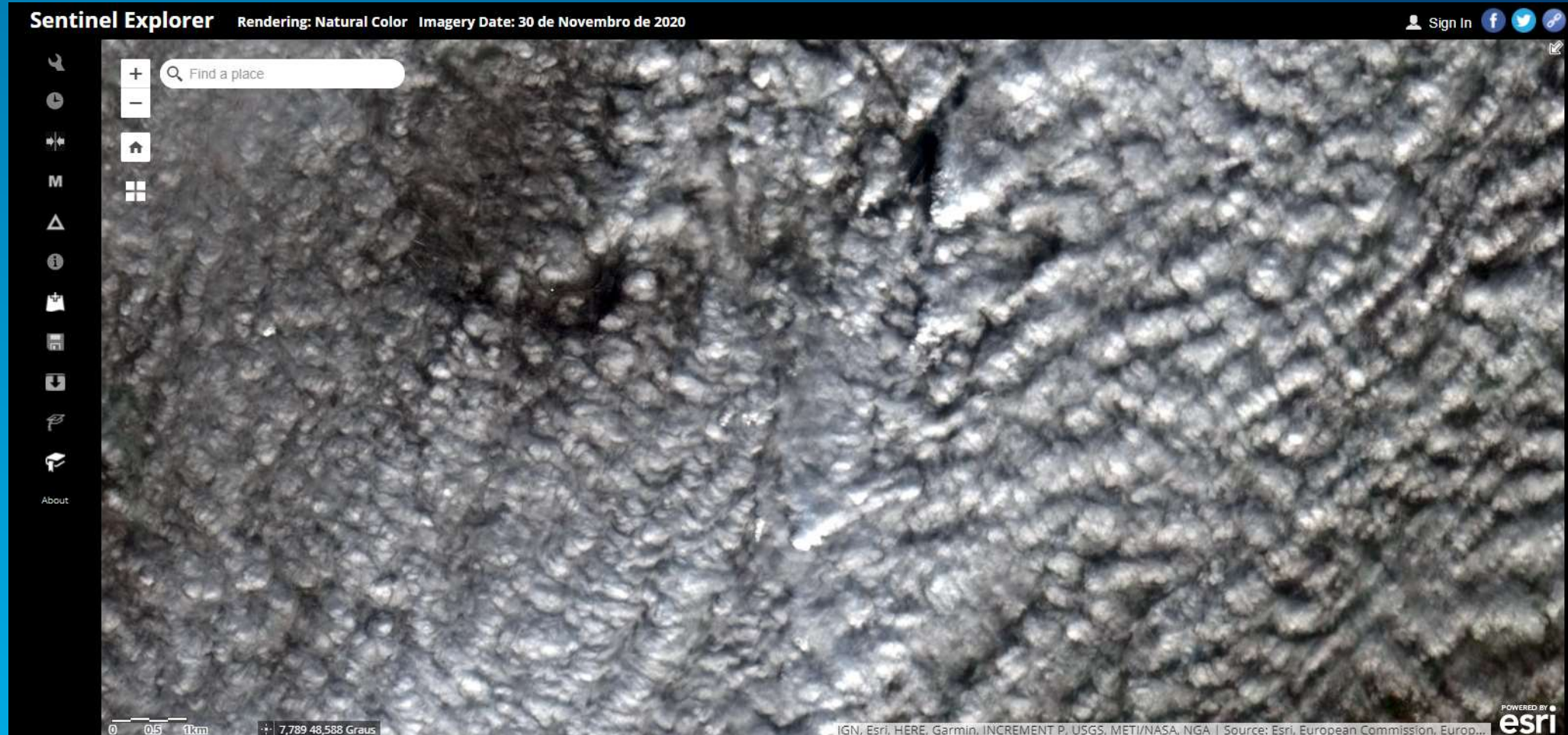
 <p>Web Mapping Application</p> <p>JobSite Status - Esri Building E</p>	 <p>Web Mapping Application</p> <p>Earth Observation Explorer</p>	 <p>Web Mapping Application</p> <p>Landsat Viewer</p>	 <p>Web Mapping Application</p> <p>Landsat Arctic Viewer</p>	 <p>Web Mapping Application</p> <p>Sentinel Explorer</p>
 <p>Web Mapping Application</p> <p>Landsat Explorer</p>	 <p>Web Mapping Application</p> <p>Landsat Antarctic Viewer</p>	 <p>Web Mapping Application</p> <p>HYCOM Explorer</p>	 <p>Web Mapping Application</p> <p>Arctic DEM Explorer</p>	 <p>Web Mapping Application</p> <p>Antarctic DEM Explorer</p>



Landsat Explorer – [Link.](#)



Sentinel Explorer – [Link.](#)

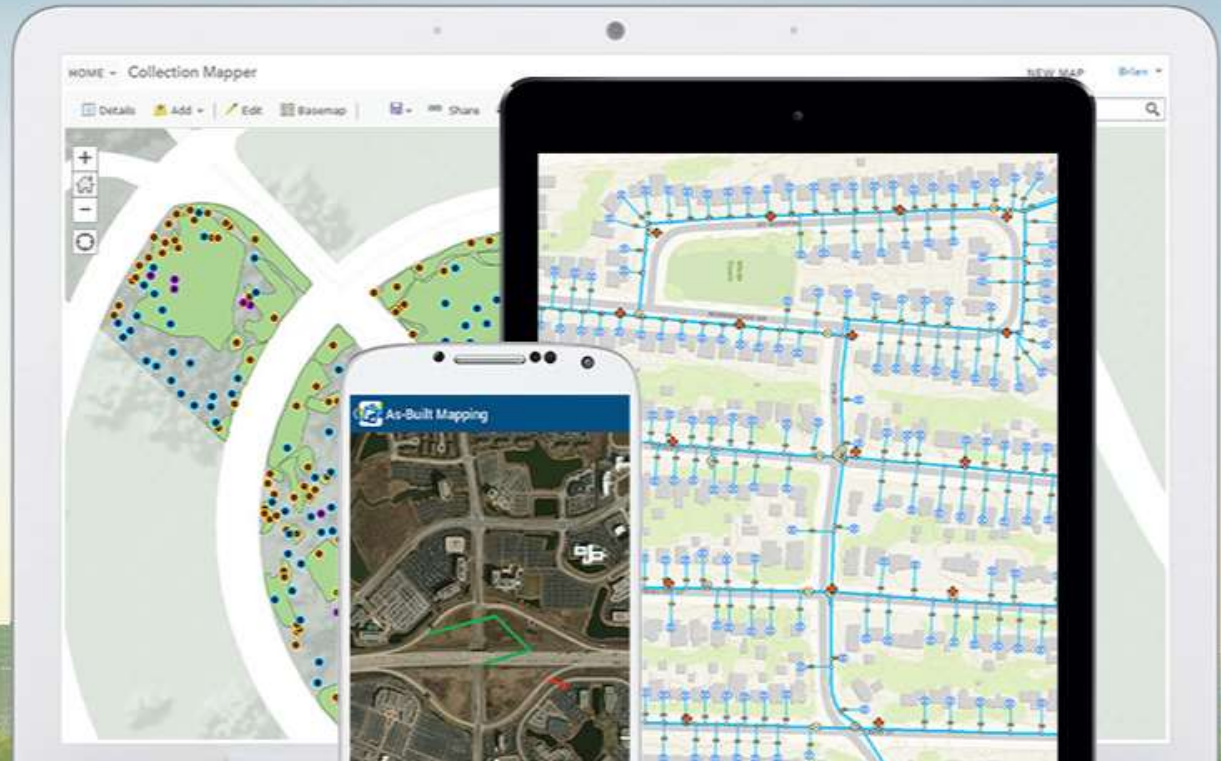


Soluções. <http://solutions.esri.com/>

ArcGIS Industry Specific Maps and Apps

ArcGIS Solutions deliver Ready-to-Use Maps and Apps to jumpstart your work

FIND YOURS ↓



Local Government



State Government



Emergency
Management



Water



Electric



Gas



Defense



Telecommunications



Parks & Gardens

ArcGIS Hub. [Link.](#) 



ArcGIS Hub

Transform how you engage and collaborate with your community

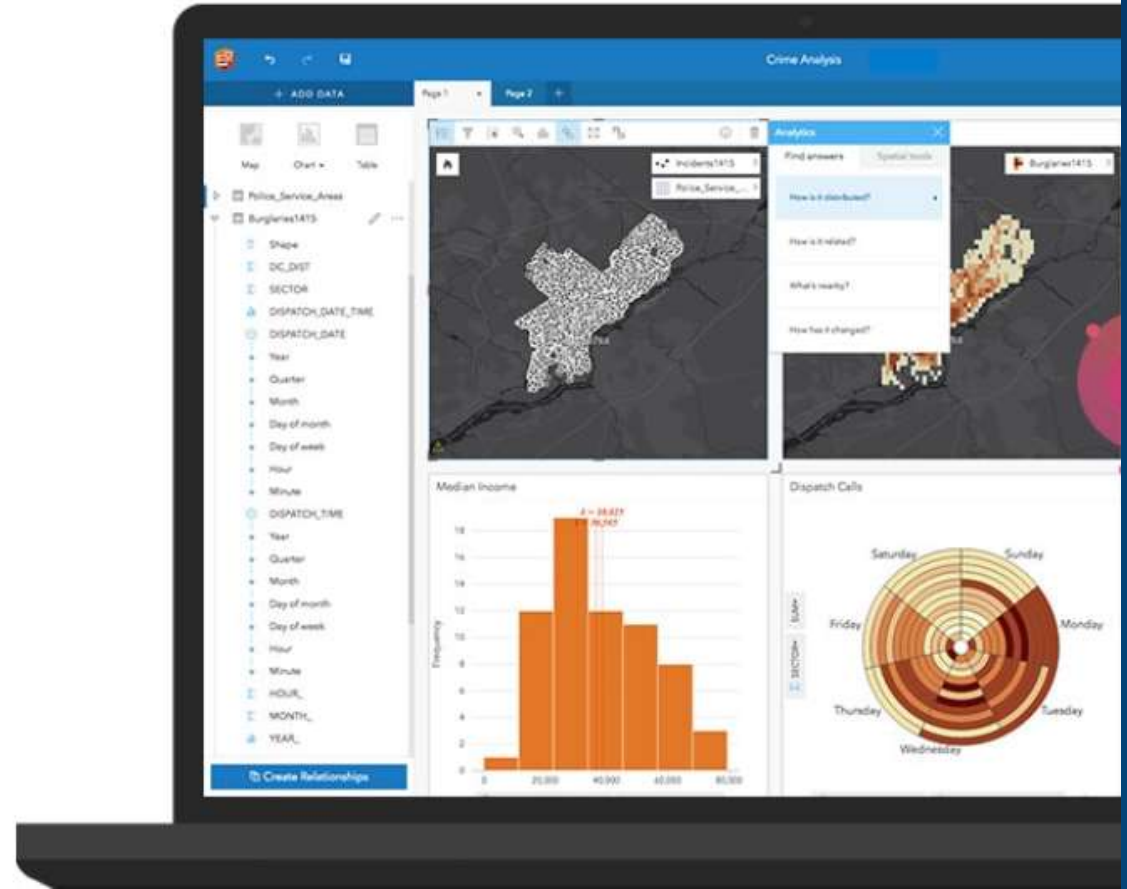


Insights for ArcGIS. [Link.](#)



Insights for ArcGIS

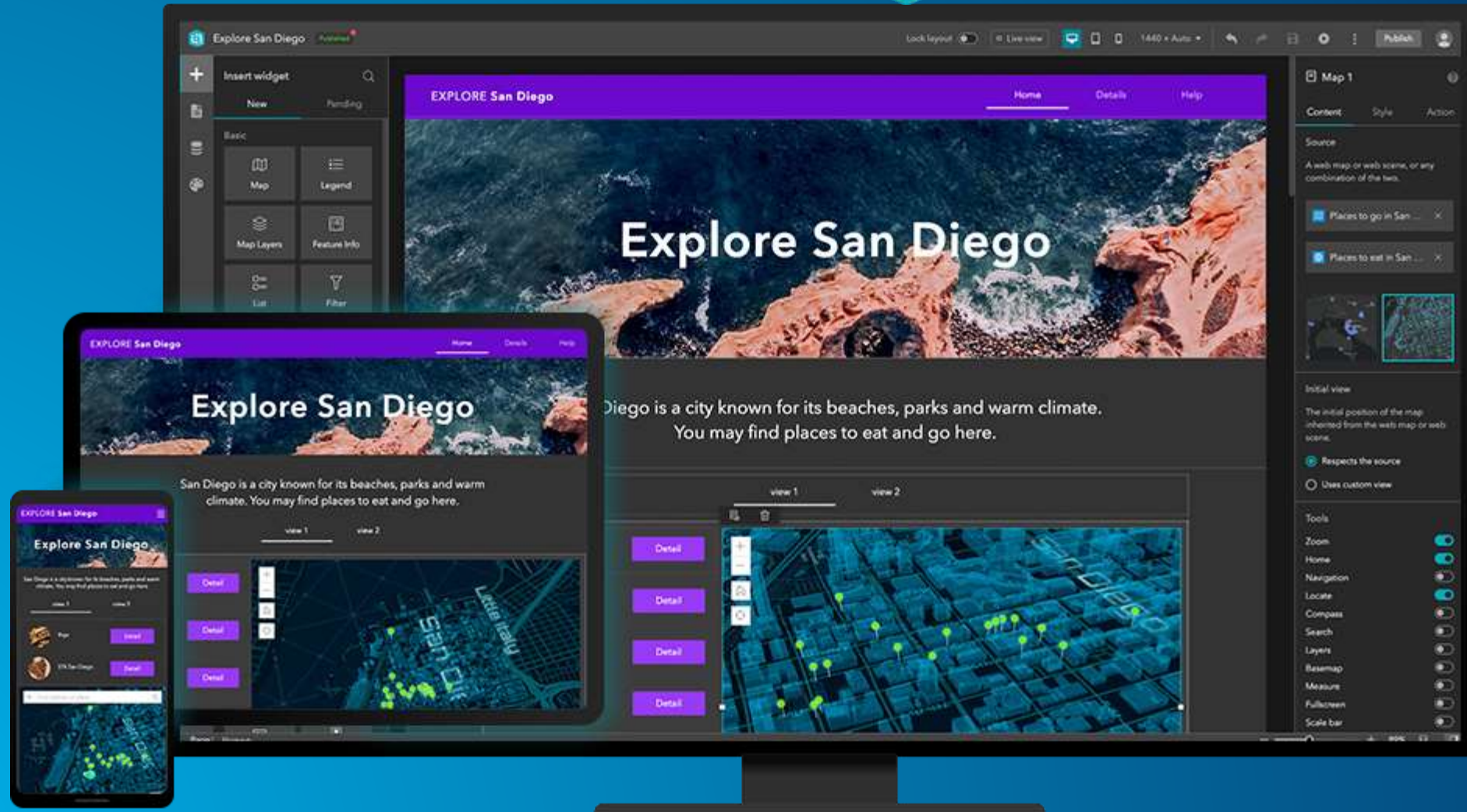
Data analytics powered by location



ArcGIS Urban. Link.



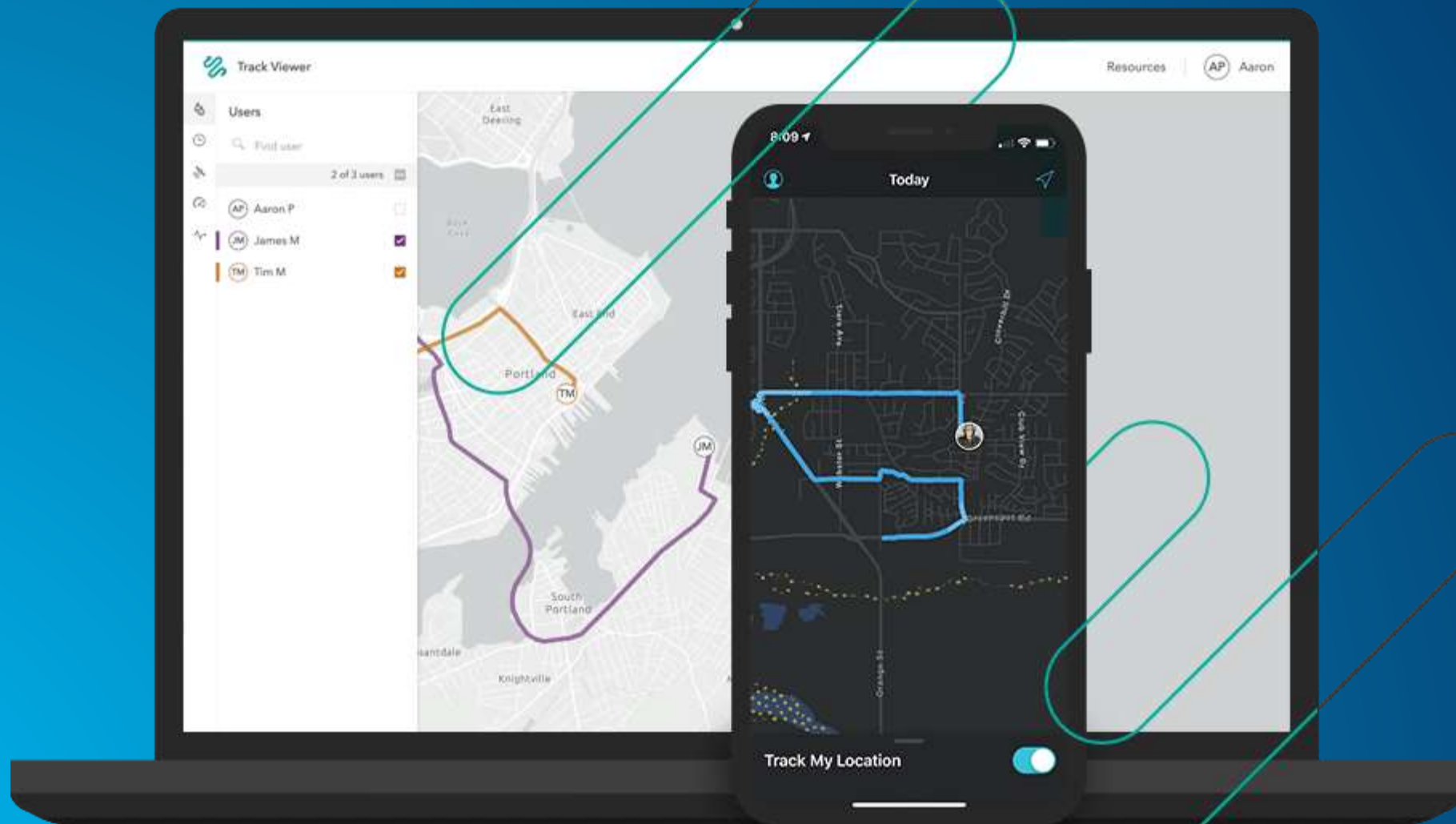
ArcGIS Experience Builder. [Link.](#)



ArcGIS Experience Builder. [Link.](#)



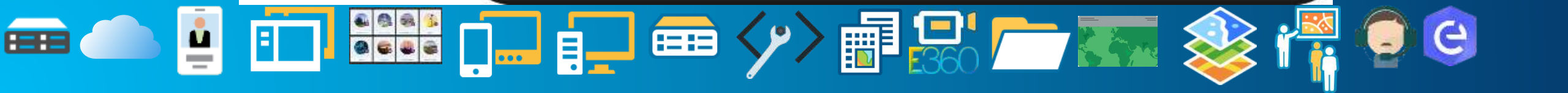
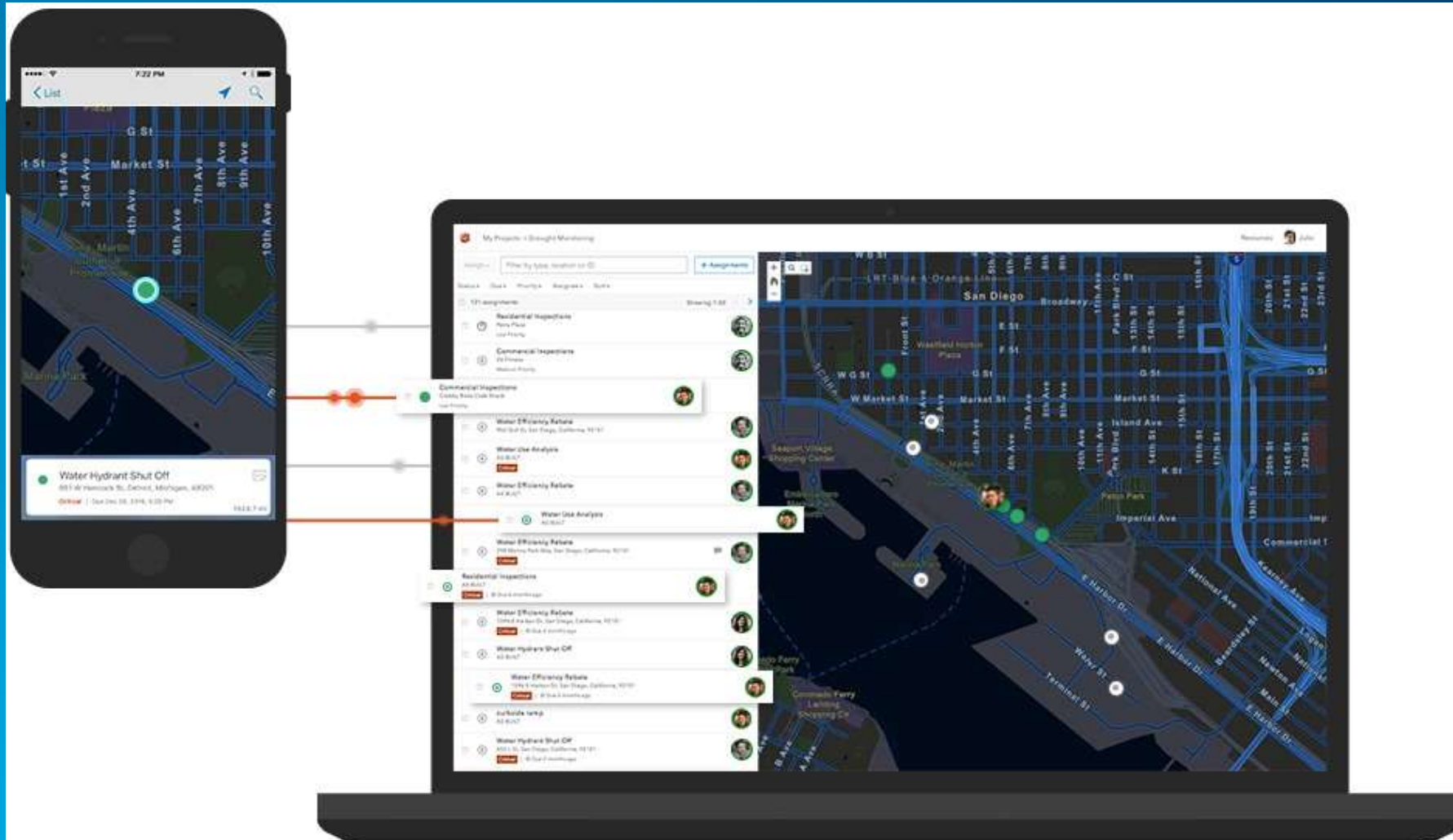
Tracker for ArcGIS. [Link.](#)



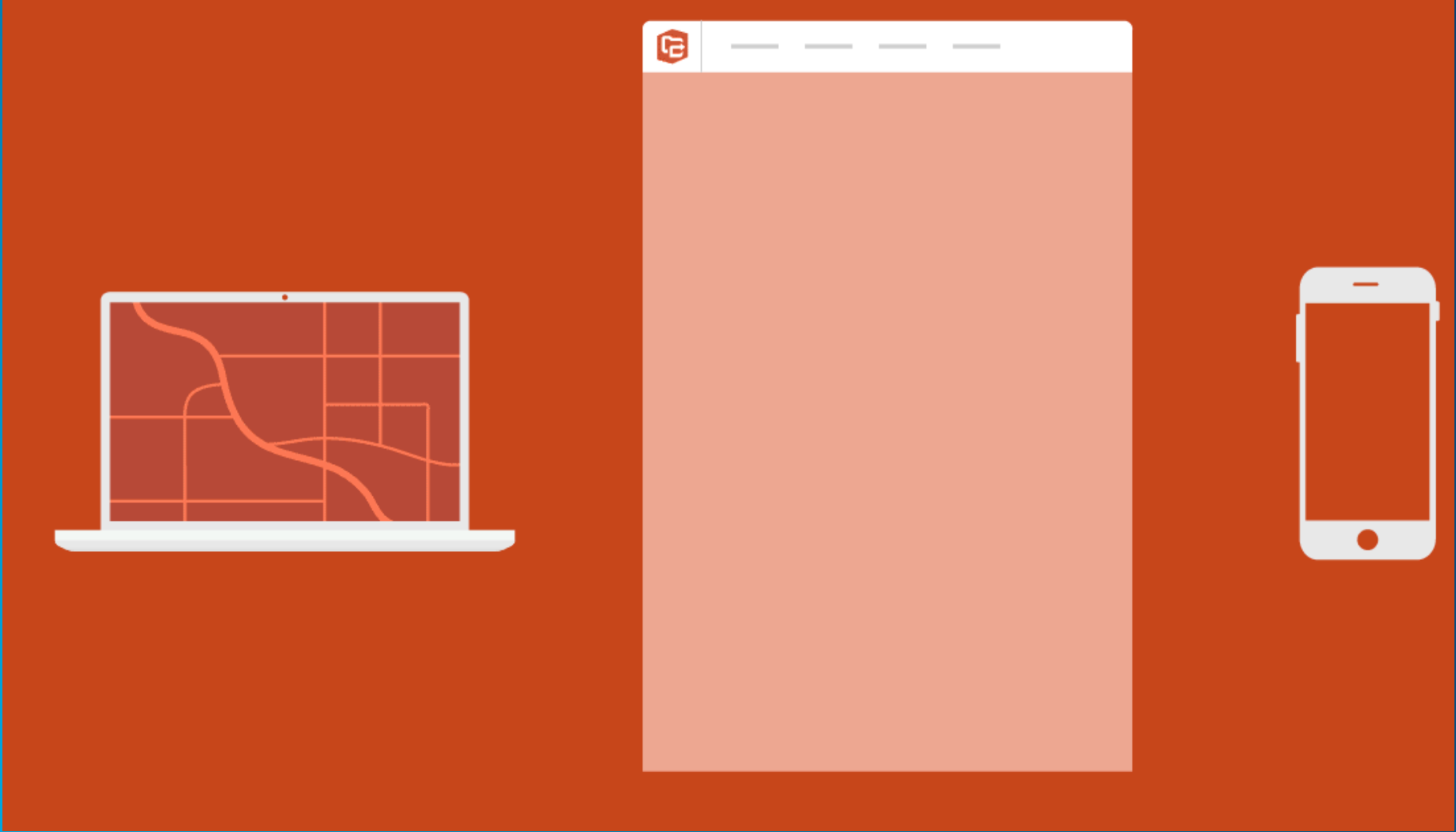
Tracker for ArcGIS. [Link.](#)



Workforce for ArcGIS. [Link.](#)



Workforce for ArcGIS. [Link.](#)





Dispositivos Móveis. [Link.](#)

- ArcGIS Companion. [Link.](#)    
- ArcGIS QuickCapture. [Link.](#)     
- Collector for ArcGIS. [Link.](#)     
- Drone2Map for ArcGIS. [Link.](#) 
- Explorer for ArcGIS. [Link.](#)     
- Navigator for ArcGIS. [Link.](#)   
- Operations Dashboard for ArcGIS. [Link.](#) 
- Survey123 for ArcGIS. [Link1.](#) [Link2.](#)    
- Tracker for ArcGIS. [Link.](#)    
- Workforce for ArcGIS. [Link.](#)    
- AuGeo. [Link.](#)      



Desktop

- ArcGIS Pro. [Link](#). 
- ArcMap.
- ArcCatalog.
- Extensões. [Link](#).
 - Análise Avançada. [Link](#).
 - Dados e Fluxos de Trabalho. [Link](#).
 - Industry Focused. [Link](#).
 - No Cost Add-Ons. [Link](#).
- CityEngine. [Link](#). 
- Insights for ArcGIS. [Link](#). 
- ArcGIS Earth. [Link](#). 



Desktop > Extensões

- Extensões. [Link](#).
- Análise Avançada. [Link](#).
- Dados e Fluxos de Trabalho. [Link](#).
- Industry Focused. [Link](#).
- No Cost Add-Ons. [Link](#).



Desktop > Extensões > Análise Avançada.

- Extensões. [Link](#).
- Análise Avançada.
 - ArcGIS 3D Analyst. [Link](#).
 - ArcGIS Business Analyst. [Link](#).
 - ArcGIS Geostatistical Analyst. [Link](#).
 - ArcGIS Image Analyst. [Link](#).
 - ArcGIS LocateXT. [Link](#).
 - ArcGIS Network Analyst. [Link](#).
 - ArcGIS Schematics. [Link](#).
 - ArcGIS Spatial Analyst. [Link](#).
 - ArcGIS Tracking Analyst. [Link](#).



Desktop > Extensões > Dados e Fluxos de Trabalho.

- Extensões. [Link](#).
- Dados e Fluxos de Trabalho.
 - ArcGIS Data Interoperability. [Link](#).
 - ArcGIS Data Reviewer. [Link](#).
 - ArcGIS Publisher. [Link](#).
 - ArcGIS Workflow Manager. [Link](#).



Desktop > Extensões > Industry Focused.

- Extensões. [Link](#).
- Industry Focused.
 - ArcGIS for Aviation: Airports. [Link](#).
 - ArcGIS for Aviation: Charting. [Link](#).
 - ArcGIS for Maritime: Bathymetry. [Link](#).
 - ArcGIS for Maritime: Charting. [Link](#).
 - Esri Defense Mapping. [Link](#).
 - Esri Production Mapping. [Link](#).
 - Esri Roads and Highways. [Link](#).
 - ArcGIS Pipeline Referencing. [Link](#).



Desktop > Extensões > No Cost Add-Ons.

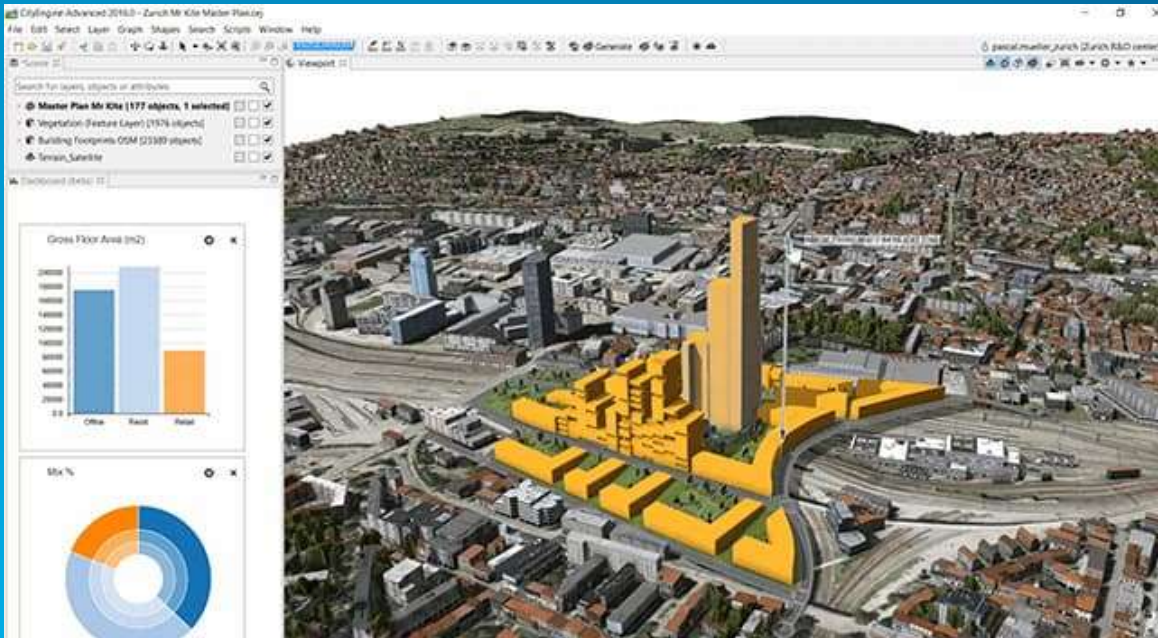
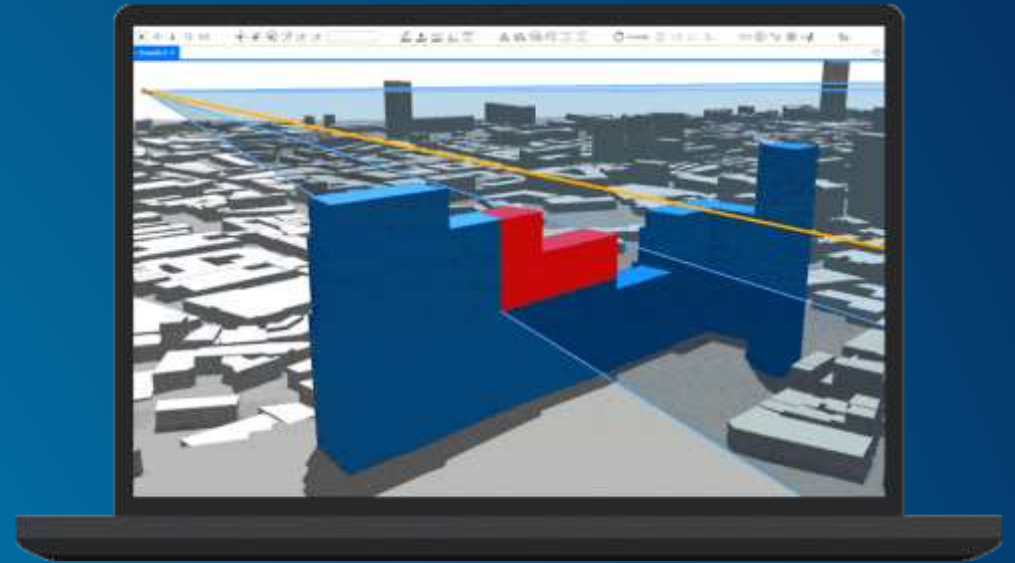
- Extensões. [Link](#).
- No Cost Add-Ons.
 - ArcGIS Infographics Add-In. [Link](#).
 - ArcGIS Editor for OpenStreetMap. [Link](#).
 - Districting for ArcGIS. [Link](#).
 - Esri S-57 Viewer. [Link](#).
 - Free Geoportal Add-ons. [Link](#).
 - WMC Client. [Link](#).
 - ArcGIS Enhanced Feature Search Extension. [Link](#).



Desktop > Esri CityEngine



- Advanced 3D city design software.
- Build entire 3D cities
- Master 3D content creation
- Bring your community vision to life



ArcGIS Enterprise (Servidor). [Link.](#)



- Enterprise GIS Portal. [Link.](#)
- GIS Server. [Link.](#)
- Data Store. [Link.](#)
- More Enterprise GIS Capabilities. [Link.](#)
 - ArcGIS Business Analyst Enterprise. [Link.](#)
 - ArcGIS Excalibur. [Link.](#)
 - ArcGIS GeoAnalytics Server. [Link.](#)
 - ArcGIS GeoEvent Server. [Link.](#)
 - ArcGIS Image Server. [Link.](#)
 - ArcGIS Notebook Server. [Link.](#)
 - ArcGIS Monitor. [Link.](#)
 - ArcGIS World Geocoder for ArcGIS. [Link.](#)
 - Tracker for ArcGIS. [Link.](#)



ArcGIS Enterprise (Servidor). Extensões. [Link](#).

- Analytics Extensions. (incluídas no ArcGIS Enterprise Advanced)
 - ArcGIS 3D Analyst. [Link](#).
 - ArcGIS Geostatistical Analyst. [Link](#).
 - ArcGIS Network Analyst. [Link](#).
 - ArcGIS Spatial Analyst. [Link](#).
- Data e Workflow Extensions. (opcionais no Standard e Advanced)
 - ArcGIS Data Interoperability. [Link](#).
 - ArcGIS Data Reviewer. [Link](#).
 - ArcGIS Workflow Manager. [Link](#).
- Geoportal Server. [Link](#).



ArcGIS Enterprise (Servidor). Extensões. [Link](#).

- Industry-focused Extensions. (Opcionais).
 - ArcGIS for INSPIRE extension. [Link](#).
 - ArcGIS for Maritime: Server extension. [Link](#).
 - ArcGIS Pipeline Referencing. [Link](#).
 - ArcGIS Utility Network Management. [Link](#).
 - ArcGIS Workflow Manager extension. [Link](#).
 - Esri Defense Mapping extension. [Link](#).
 - Esri Production Mapping extension. [Link](#).
 - Esri Roads and Highways extension. [Link](#).
- ArcGIS LocateXT. [Link](#).
- ArcGIS Enterprise Sites. [Link](#)

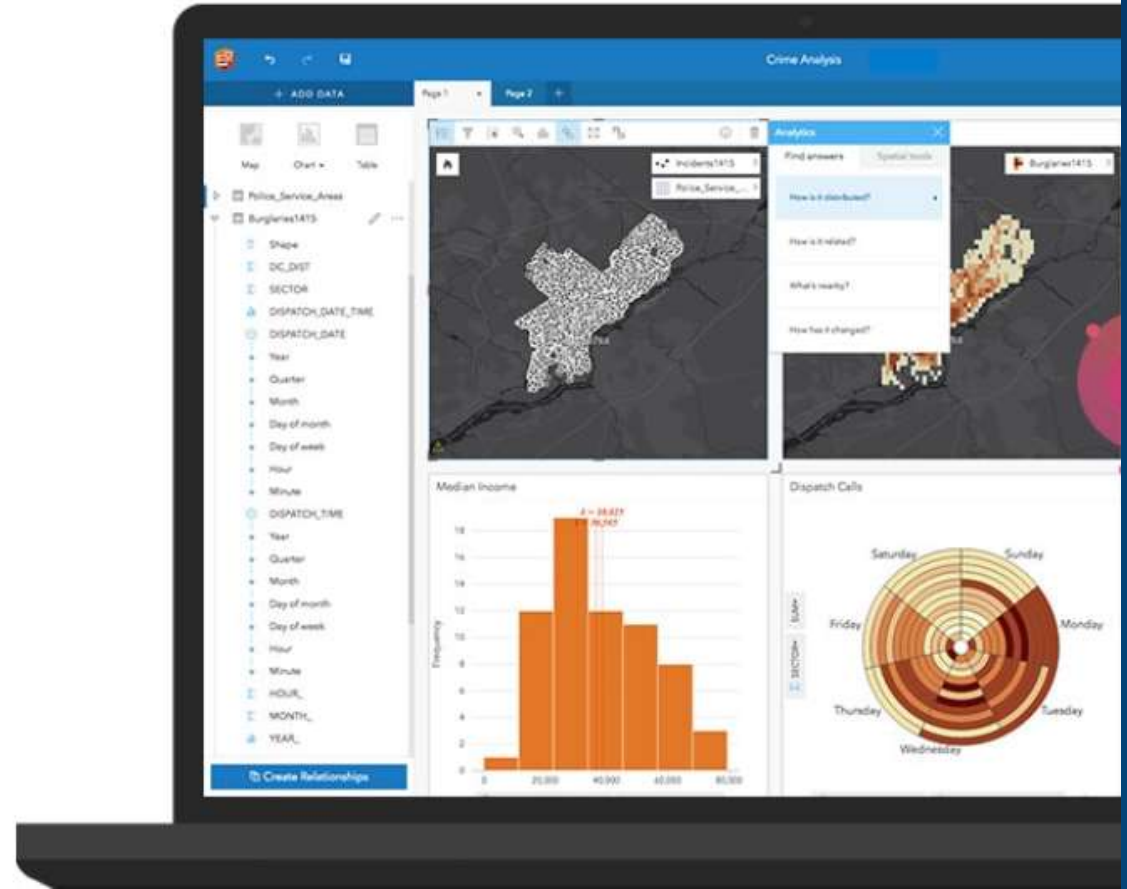


Insights for ArcGIS. [Link.](#)

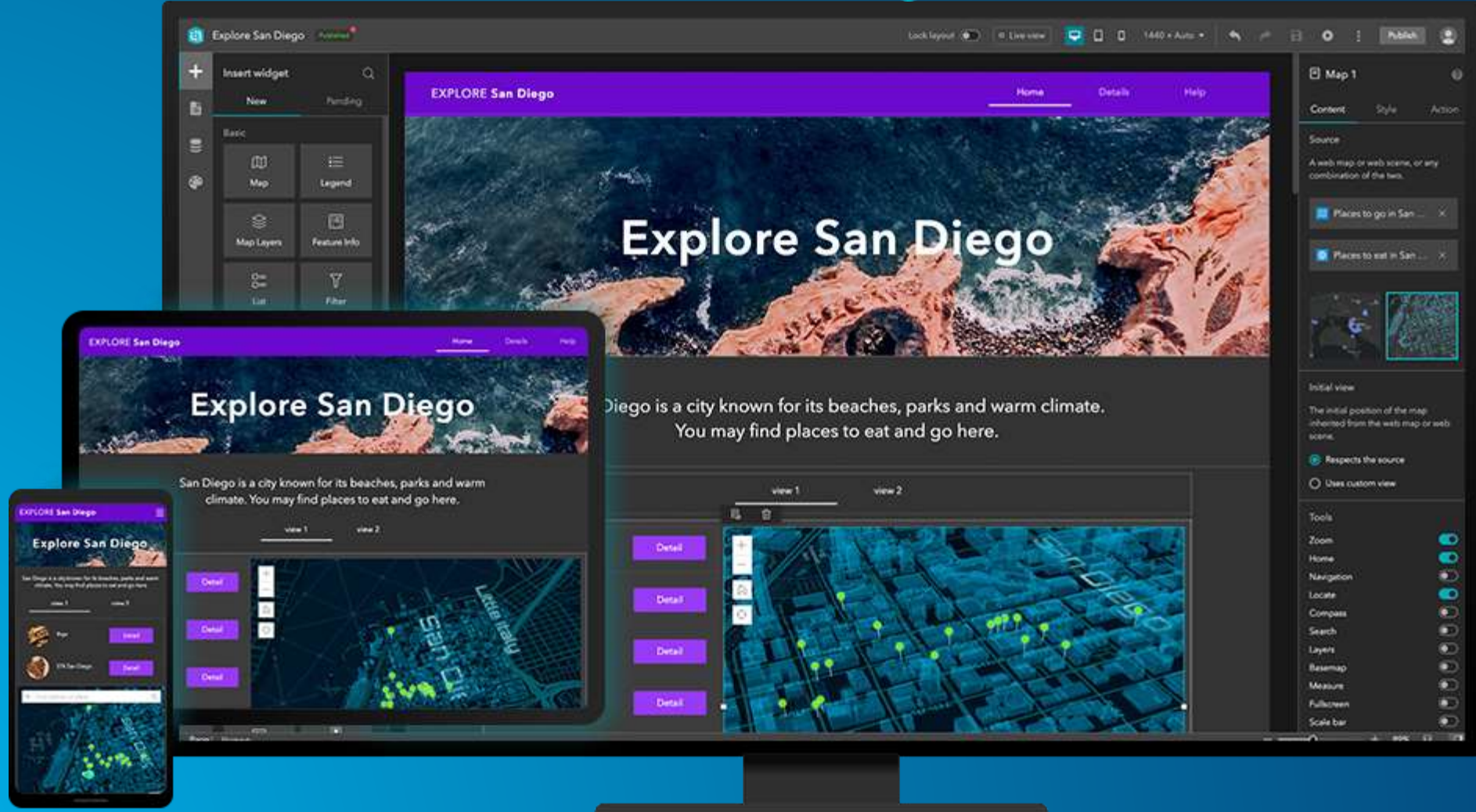


Insights for ArcGIS

Data analytics powered by location



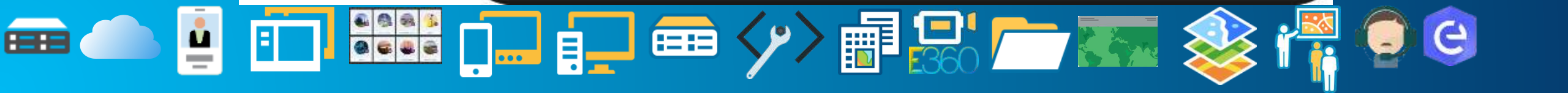
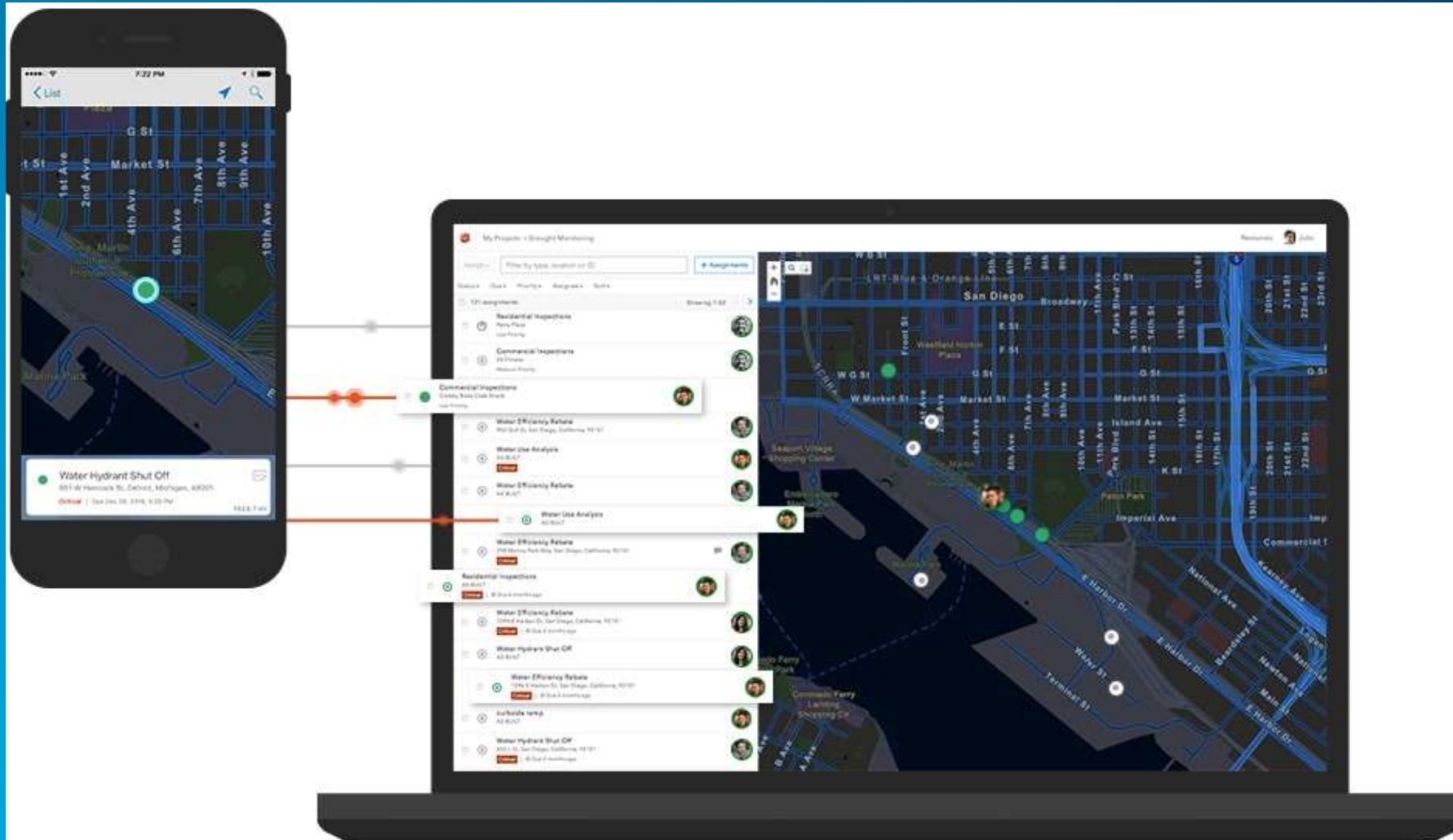
ArcGIS Experience Builder. [Link.](#)



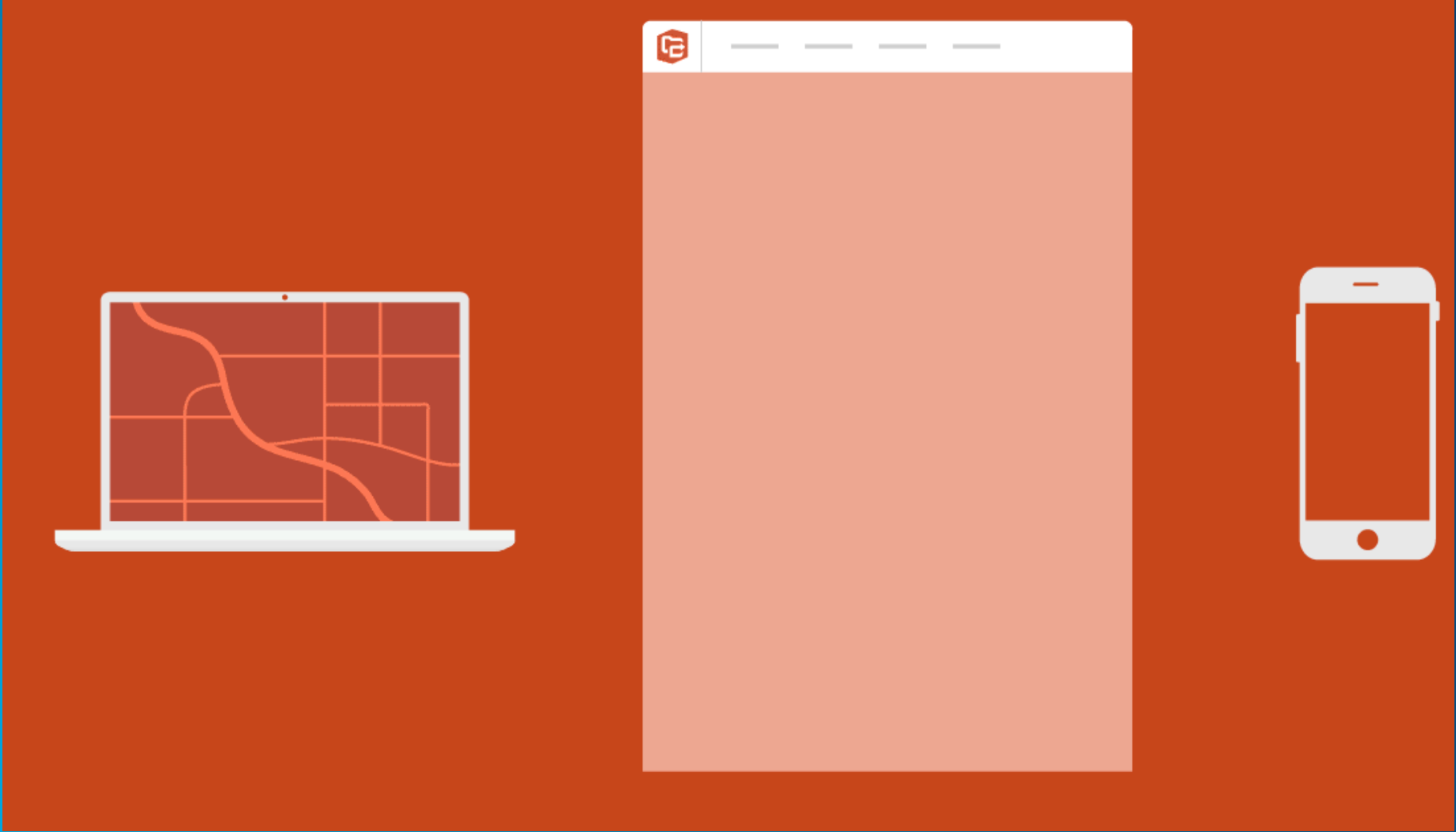
ArcGIS Experience Builder. [Link.](#)



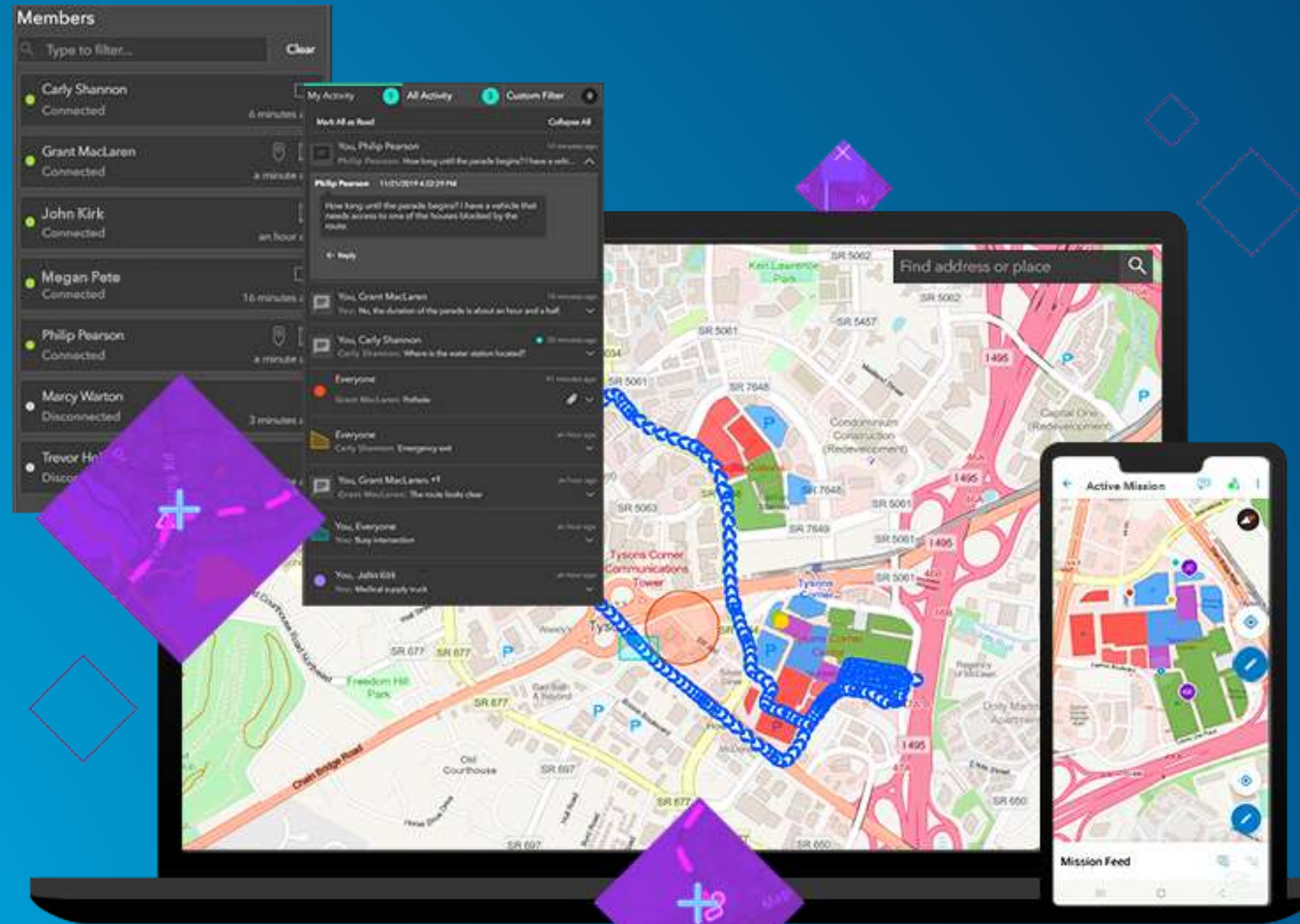
Workforce for ArcGIS. [Link.](#)






Workforce for ArcGIS. [Link.](#)



ArcGIS Mission. [Link.](#)



Builders. [Link](#).

- AppStudio for ArcGIS. [Link](#). 
- AppStudio Player. [Link Android](#) e [Link AppStore](#).
- Web AppBuilder for ArcGIS. [Link](#). 
- Web AppBuilder for ArcGIS. (Developers Edition). [Link](#).
- Aplicações Configuráveis. [Link](#).  
- Esri Story Maps. [Link](#). 






Builders. [Link.](#)

APIs e SDKs

- ArcGIS API for JavaScript [Link.](#)
- ArcGIS Runtime SDK for Android. [Link.](#)
- ArcGIS Runtime SDK for iOS. [Link.](#)
- ArcGIS Runtime SDK for Java. [Link.](#)
- ArcGIS Runtime SDK for .NET. [Link.](#)
- ArcGIS Runtime SDK for Qt. [Link.](#)
- ArcGIS Runtime SDK for Python. [Link.](#)
- ArcGIS REST API. [Link.](#)
- Open Source. [Link](#) e GitHub [Link.](#)
- Developers > <https://developers.arcgis.com>



Add Ins > ArcGIS Maps for... [Link](#).

- ArcGIS for AutoCAD. [Link](#).
- ArcGIS Maps for Adobe Creative Cloud. [Link](#). 
- ArcGIS Maps for Office. [Link](#). 
- ArcGIS Maps for Power BI. [Link](#).
- ArcGIS Maps for SharePoint. [Link](#). 



Esri Vídeos. <http://www.esri.com/videos>



Main

Events

ArcGIS

Industries



Search All Videos



The Science of Where - Unlock Data's Full Potential

We believe digital transformation is leading business, government, and society into a new technological frontier. As the global market leader in geographic information...

THE SCIENCE OF WHERE

Watch Now →



Educação Recursos. [Link.](#)



Recursos

Escolas

Ensino Informal

Ensino Superior

Investigação

Gestão da Educação

Cultura

Desporto

Recursos

Estes recursos são uma compilação constante de várias fontes de informação e que englobam:

- Dados;
- Formação;
- Livros da Esri Press;
- Tecnologia Esri.

Outras sugestões são bem vindas! Solicitamos que nesse caso utilizem os contactos disponíveis no [rodapé](#) deste Hub.

Apresentação Conceptual da Nuvem Geospacial da Esri



Esri Geospatial Cloud

Aceda à apresentação conceptual da Nuvem Espacial da Esri e das suas várias componentes.

Os diapositivos são interactivos. Experimenta seleccionar qualquer palavra sublinhada a amarelo ou os ícones.

[Aceder aos Diapositivos](#)

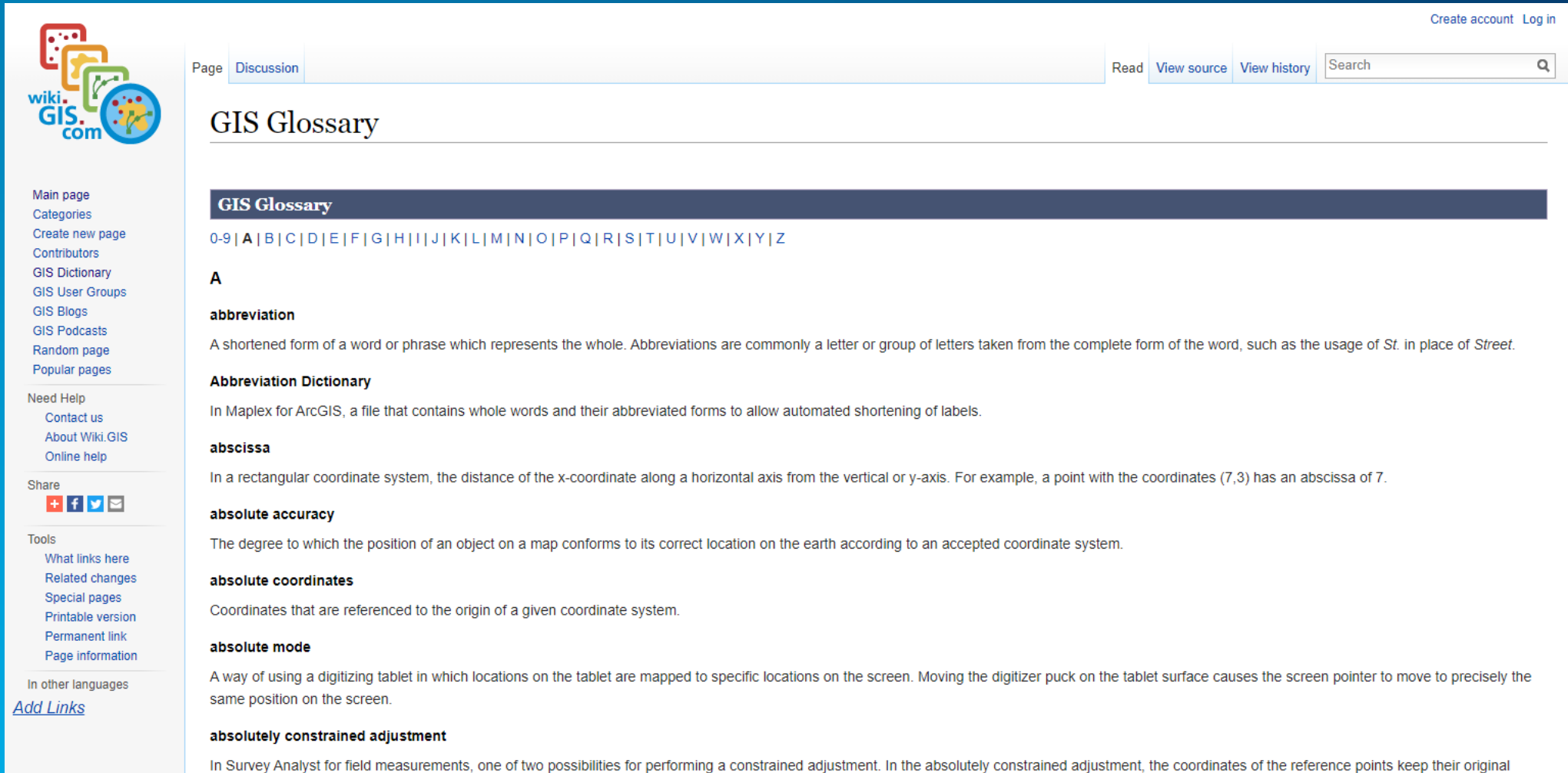


Dicionário SIG. [Link1](#). [Link2](#).

The screenshot shows the Esri Technical Support website. At the top, there is a navigation bar with the Esri logo and links for Products, Solutions, Support & Services, Stories, and About. Below this is a secondary navigation bar with links for Products, Knowledge Base, Downloads, Other Resources, Support Options, and a prominent blue button for Contact Support. The main heading is "Technical Support". A green banner promotes the "Esri Support app 4.0 available for download now!" with buttons for the App Store and Google Play. Below the banner, the "GIS Dictionary" section is highlighted, featuring a search bar and a keyboard-style navigation menu with letters A through Z. The letter 'A' is currently selected and underlined.



Dicionário SIG. [Link1](#). [Link2](#).



The screenshot shows the Wiki.GIS.com website. The main content area is titled "GIS Glossary" and features a navigation bar with "Page" and "Discussion" tabs. Below the title is a search bar and a list of navigation links: "Read", "View source", and "View history". The main content area contains a dark blue header with the text "GIS Glossary" and a list of letters from "0-9" to "Z". The "A" section is expanded, showing the following entries:

- abbreviation**
A shortened form of a word or phrase which represents the whole. Abbreviations are commonly a letter or group of letters taken from the complete form of the word, such as the usage of *St.* in place of *Street*.
- Abbreviation Dictionary**
In Maplex for ArcGIS, a file that contains whole words and their abbreviated forms to allow automated shortening of labels.
- abscissa**
In a rectangular coordinate system, the distance of the x-coordinate along a horizontal axis from the vertical or y-axis. For example, a point with the coordinates (7,3) has an abscissa of 7.
- absolute accuracy**
The degree to which the position of an object on a map conforms to its correct location on the earth according to an accepted coordinate system.
- absolute coordinates**
Coordinates that are referenced to the origin of a given coordinate system.
- absolute mode**
A way of using a digitizing tablet in which locations on the tablet are mapped to specific locations on the screen. Moving the digitizer puck on the tablet surface causes the screen pointer to move to precisely the same position on the screen.
- absolutely constrained adjustment**
In Survey Analyst for field measurements, one of two possibilities for performing a constrained adjustment. In the absolutely constrained adjustment, the coordinates of the reference points keep their original

The left sidebar contains a navigation menu with the following items:

- Main page
- Categories
- Create new page
- Contributors
- GIS Dictionary
- GIS User Groups
- GIS Blogs
- GIS Podcasts
- Random page
- Popular pages
- Need Help
 - Contact us
 - About Wiki.GIS
 - Online help
- Share
 - +
 - f
 - t
 - e
- Tools
 - What links here
 - Related changes
 - Special pages
 - Printable version
 - Permanent link
 - Page information
- In other languages
- [Add Links](#)





















Documentação. [Link.](#)

Documentação do ArcGIS

Insira um nome de produto ou palavra-chave para estreitar a lista Redefinir

Ou, selecione uma categoria: Produtos de núcleo Aplicativos APIs / SDKs Soluções

 Learn ArcGIS	 ArcGIS Pro	 ArcGIS Enterprise	 ArcGIS Online	 ArcGIS Living Atlas of the World	 ArcGIS for Developers
 ArcMap	 AppStudio for ArcGIS	 Arcade	 ArcGIS API for JavaScript	 ArcGIS API for Python	 ArcGIS Business Analyst
 ArcGIS CityEngine	 ArcGIS Community Analyst	 ArcGIS Dashboards	 ArcGIS Data Appliance	 ArcGIS Earth	 ArcGIS Excalibur



Bibliografia SIG. <http://gis.library.esri.com/>



Welcome to the New GIS Bibliography: Please update your bookmarks to reflect the new link, <http://gis.library.esri.com>.

Search

[Advanced search](#)

[Home](#)

Start Searching

To begin searching the Bibliography, enter your search terms in the search bar above.

To get the most out of your searches, please view our [Search Instructions](#).



Contributors

- [AAG](#)
- [NCGIA](#)
- [Salzburg University](#)
- [URISA](#)

Search by Collection

-- Please choose --

Esri GIS Bibliography

This bibliography covers the literature of geographic information systems, science, and technology. It indexes journals, conference proceedings, books, and reports from the origins of GIS to the present.

The purpose of the GIS Bibliography is to:

- Reference all significant GIS literature.

Tweets

 **Esri Library**
@EsriLibrary

10 Nov

The GIS Bibliography has moved, please update bookmarks to: gis.library.esri.com

Expand



GIS Wiki. <http://wiki.gis.com>

[Create account](#) [Log in](#)



Page [Discussion](#)

Read

[View source](#)

[View history](#)

Search



- [Main page](#)
- [Categories](#)
- [Create new page](#)
- [Contributors](#)
- [GIS Dictionary](#)
- [GIS User Groups](#)
- [GIS Events](#)
- [GIS Blogs](#)
- [Random page](#)
- [Popular pages](#)

Need Help

- [Contact us](#)
- [About Wiki.GIS](#)
- [Online help](#)

Share



Tools

- [What links here](#)
- [Related changes](#)
- [Special pages](#)
- [Printable version](#)

Wiki.GIS.com - The GIS Encyclopedia

Wiki.GIS.com is an encyclopedia dedicated to geographic information systems (GIS).

This repository incorporates contributions from the GIS community for the benefit of GIS professionals, students, and anyone with an interest in GIS. The wiki contains informative articles about GIS concepts, new technologies, products, people, and organizations.

Anyone who has any knowledge of GIS is more than welcome to create an account and start sharing that information by creating new pages or expanding existing pages.

New to Wiki?

Learn how to get involved in the Wiki.GIS community.

[Start here](#)



New to GIS?

Learn the basics of Geographic Information Systems.

[Start here](#)



Featured Content

Python

Python is a general-purpose high-level programming language, designed to be easily read. Python runs on Windows, Linux/Unix, Mac OS X, and has been ported to the Java and .NET virtual machines. [1] Python was introduced to ArcGIS with version 9.0. A full ArcGIS installation includes Python, its standard libraries, and the NumPy package. Starting with ArcGIS 9.2, a compatible version of PythonWin



Exclusive Content

System Design Strategies

[System Design Strategies](#) is an exclusive resource for the successful design and deployment for geographic information systems technology. This documentation is provided to share system architecture design methodology and the fundamental principles that



ArcNews. Link.

ArcNews

Esri | Summer 2016 | Vol. 38, No. 3

Briefly Noted

Returning to America's Green Planning Roots

Esri Green Infrastructure Tools Will Help People, Government, and Planners Design a Better Future

By Jack Dangenrem

More than a century ago, landscape architect Frederick Law Olmsted laid out what Franklin D. Roosevelt and John F. Kennedy saw as a plan worth acting on. For that goal on, he advocated a mission: to create a national parks system to preserve the best of our natural resources for future generations to come.

Olmsted, who co-edited New York City's Central Park, in 1904 proposed the idea of creating a system of parks and greenways that protect and integrate the best natural landscapes in the country. He envisioned communities working together to identify, preserve, and restore open spaces before planning development. The idea caught the attention of the California state legislature, which led to the creation of the California State Parks system, which led to the creation of the National Park Service, which was established in 1909.

Turning Belief into Action

Olmsted and the conservation advocates who followed him, including naturalist John Muir and US president Theodore Roosevelt, were guided by the belief that all people should be able to enjoy beautiful green spaces—no matter how far they live from them. It's a vision that inspired the country's early conservation movement and one that has become a national ideal.

The idea of developing green infrastructure—bicycles, trails, and other green spaces—has gained momentum in the country and around the world, thanks to the work of Esri. Esri has been instrumental in the development of the National Park Service, which was established in 1909.

Esri's Green Infrastructure Tools help communities identify, preserve, and restore open spaces before planning development. The idea caught the attention of the California state legislature, which led to the creation of the California State Parks system, which led to the creation of the National Park Service, which was established in 1909.

Partnership Increases Regional Collaboration

Esri has partnered with the National Association of Regional Councils (NARC) to deliver GIS training to its organizational members. They will benefit from hands-on workshops and webinars that offer templates for fields such as transportation, the environment, planning, and economic development. A full catalog of available content and a new web portal with additional information on the public partner is available at narc.esri.com. Learn more at esri.com.

Planners Earn Credit for Esri Events

The American Planning Association (APA) has added Esri events to its list of approved continuing education (CE) activities. APA members can earn CE credits for attending Esri conferences and participating in workshops, webinars, Esri classes, and sessions from Esri's online courses (MOOCs).

Geodesign Restores Chimpanzee Habitats in Tanzania

The Jane Goodall Institute Implements GIS in Local Contexts to Help Communities Regenerate Woodlands

By Dr. Lilian Pintea, the Jane Goodall Institute

Dr. Jane Goodall has been conducting pioneering research on chimpanzees in Tanzania for more than 50 years. The Jane Goodall Institute (JGI) continues to support her work.

partners—including Duke University, the University of Minnesota, Arizona State University, Florida State University, and George Washington University—design, manage, and analyze the information to advance our knowledge of chimpanzees, their behavior, and conservation.

Almost 20 years ago, however, Dr. Goodall announced how the Jane Goodall Institute would use GIS. While living in a small place near Gombe, she saw the almost total loss of forest and woodlands around the park.

"Thanks to you we can finally attempt to see how previous Gombe chimpanzees behave we could explore the lives of the people living around that last little remnant of forest," she smiled recently in an interview with National Public Radio (NPR). "Since then, JGI has been working with individual farmers, local communities, and governments—along with science and geospatial technology partners—to learn how to design more sustainable landscapes. GIS is really allowed us to put people, chimpanzees, and habitat data on the same map. Now, new technologies and very high-resolution imagery—coupled with ArcGIS—can enable us to closely monitor landscape processes and apply appropriate methodologies to land contexts."

With all these efforts combined, many of the woodlands outside Gombe are coming back. And local communities themselves are managing the forest's natural regeneration.

ArcNews

Esri | Spring 2016 | Vol. 38, No. 2

Briefly Noted

Los Angeles Launched GeoHub

Making Location Data Available as a Service Makes City a World Leader in Open Data Innovation

Los Angeles is an innovator in many ways. It's where the film industry got its start, the Shivers roller rink shaped the modern food truck movement, and the city's geographic data was the first to be made available as a service.

The city's Geographic Data as a Service (GDaaS) platform, which allows users to access live, continuously updated data directly from the city as a service—rather than as a static download—will create dynamic apps across the city. San Diego's GeoHub is the center piece of a service that will make the city's geographic data available as a service.

New ELA for Smaller Governments

With Esri's new enterprise license agreement (ELA) program, municipal and county governments serving populations between 100,000 and 250,000 can now get the same Esri software and services as larger governments. The ELA provides software, training, and data for all government departments, including planning, health, economic development, and public safety. Learn more at esri.com/SmallGovELA.

Improving Public Trust and Police Legitimacy

The ArcGIS Open Data Initiative for Law Enforcement allows police agencies to build and share authoritative data for better policy and community engagement. It makes it easy for law enforcement agencies to participate in the 1800+ Open Data Initiative, which has motivated 27 US jurisdictions to share knowledge and establish best practices for police departments nationwide. The open data initiative helps police agencies quickly identify and deploy maps and apps for public consumption. Learn more at esri.com/open.

Designing a Green Infrastructure With Geodesign, Nature Can—and Should—Play a Pivotal Role in Planning Our Communities

Andrew Wolf's book, *The Revolution of Nature: How to Design Our Communities to Live in Harmony with Nature*, is a timely and essential read for anyone interested in sustainable communities. Wolf's book is a call to action for designers, planners, and policymakers to embrace nature as a partner in our communities.

Designing with Nature in Mind: A Geodesign Approach to Sustainable Communities. Geodesign combines geographic information system (GIS) technology with design methodology to produce data-driven solutions to plan the support facilities, services, and sustainable communities.

Desde 2000. Publicação Trimestral. Exemplos de utilizadores.



ArcUser. [Link.](#)



Desde 1998. Publicação Trimestral. Melhores práticas, dicas e truques, tutoriais para resolver tarefas reais.



ArcWatch. [Link.](#)

The Headlines

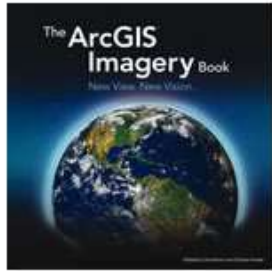
On Board with a New App

Parents in Dungannon, Northern Ireland, are happy that they can use an ingenious GIS-based web app to check if their children are eligible for school bus transportation, and apply for it online. [Read the article.](#)



Good Reads

If you love geography, ocean science, imagery, and GIS, these seven books, including Andrea Wulf's *The Invention of Nature*, should top your summer reading list. [Read the article.](#)



Smash Information Silos

The story of Paul—the power company troubleshooter—and his problems with tree limbs and squirrels and his penchant for paper maps sparks a great idea for utilities. [Read the article by Bill Meehan.](#)



Tech Time

The Esri Technology Tour

Ben Conklin from Esri gave Trajectory On Location a whirlwind tour of Esri technology at the 2016 GEOINT Symposium. Get a taste of what you can do with ArcGIS Earth, ArcGIS Full Motion Video, Esri Story Map apps, and Operations Dashboard for ArcGIS. Conklin also provided a sneak peek at the type of analytics you will be able to do with Insights for ArcGIS. [Watch the video.](#)



A New ArcGIS Online Experience

Esri updated ArcGIS Online, giving the item pages a new look and layout and additional functionality. "We hope these new item pages make working with ArcGIS easier," says Paul Ross, ArcGIS Online product manager. [Read the blog and watch a video.](#)

On Course to Learn [PDF]

Get a comprehensive look at all the instructor-led courses that Esri offers, from ArcGIS 1: Introduction to GIS to Building 3D Cities Using Esri CityEngine. [Download the 2016 Esri Course Catalog \[PDF\].](#)

Perfect Apps to Fit Your Story

This presentation showcases the wide variety of Story Map apps created to suit your storytelling needs. You will see examples of the Story Map Cascade app and the Story Map Crowdsourcing app, both in beta. [Learn more.](#)

Desde 1997. Publicação Mensal por Email e suportada online.



Esri Globe. [Link.](#)

Esri Globe

The EPA wants its workforce to think with maps

Esri Insider: The US Environmental Protection Agency (EPA) is the first federal agency to make Esri mapping tools available to every employee. [Read more.](#)

In this Issue

- How lasers can help clean up beach trash
- NASA, USAID open environmental monitoring hub in West Africa
- Wawa's secret weapon for Florida expansion is Esri software
- FAO uses GIS to protect agricultural economy of vulnerable countries
- Oregon emergency managers' map tool available to the public
- What does light pollution mean for public health?
- The most livable Montana city implements the Esri parcel fabric
- Esri's Randy Frantz honored by TM Forum

Desde 2014. Email semanal com ligações a artigos.



Where Next. [Link.](#)

Newsroom Overview **WhereNext Magazine** Podcasts ArcPublications ▾ Blog News ▾ Media Relations

WHERENEXT

Trend Watch: AI Helps Businesses Make Decisions at the Edge

Using big data analytics, AI, and location intelligence, businesses can speed decisions, empower employees, and earn customer loyalty.

[Continue Reading →](#)

Desde 2017.



Esri & The Science of Where Podcast. [Link.](#)

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Esri & The Science of Where Podcast

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Esri IoT. Link.



ArcGIS

Industries

About

Support



Sign In

Internet of Things

Get the e-Book

Internet of Things

How to Harness the Full Potential of IoT Data

With billions of connected sensors designed into products and places across the world, leading executives in business and government know that the IoT's value lies in its vast quantities of data. But the most competitive organizations are transforming



IoT (Internet of Things).



Storymaps – [Link.](#)

 ArcGIS StoryMaps

[Visão geral](#)

[Recursos](#)

[Iniciar sessão](#)



ArcGIS StoryMaps

Crie histórias inspiradoras e envolventes combinando texto, mapas interativos e outro conteúdo multimédia. Publique e partilhe a sua história com a sua organização ou pessoas de todo o mundo.

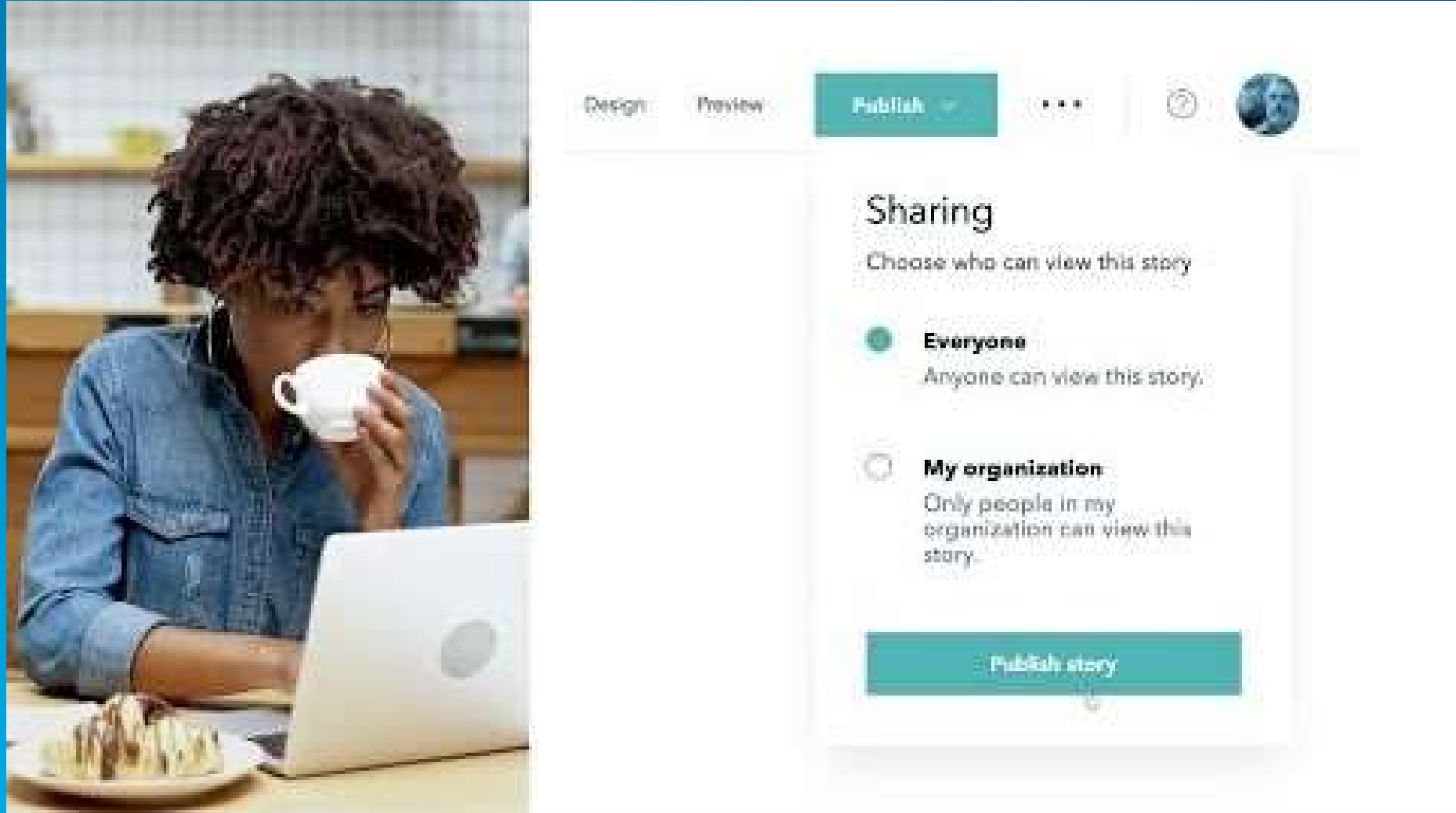
[Iniciar sessão](#)

[Procura o Esri Story Maps clássico? Clique aqui](#)


[Termos de Utilização](#) [Contacto](#)




Storymaps Video (1m28s) – [Link](#).




Storymaps Recursos – [Link.](#)




Start by planning




Craft your narrative



Add your map



Refine the design



Share your story



Storymaps clássicos – [Link](#).



Story Map Basic – Link.



Story Map Tour – [Link](#).



Story Map Journal – [Link](#).



Story Map Cascade – [Link](#).



Story Map Series – Link.



Story Map Short List – [Link](#).



Story Map Swipe and Spyglass – [Link](#).



Story Maps Labs – [Link](#).



Dados > ArcGIS Online. [Link.](#)

ArcGIS

Visão Geral Preços Mapa Cena 3D Ajuda

Pesquisar esri

Capture

ArcGIS Online

Ligue pessoas, localizações e dados utilizando mapas interactivos. Trabalhe com estilos inteligentes, focados nos dados e ferramentas de análise intuitivas. Ligue pessoas, localizações e dados utilizando mapas interactivos.

Saiba mais sobre ArcGIS Online →

Iniciar sessão



Dados > Living Atlas of the World. [Link.](#)



Living Atlas of the World

Home Use Contribute Browse

Search Living Atlas Gallery

Themes

- All
- Imagery
- Basemaps
- Historical Maps
- Demographics & Lifestyle
- Landscape
- Oceans
- Earth Observations
- Urban Systems
- Transportation

Daily Sea Surface Temperature
By esri_observations

Monthly Soil Moisture
By esri_observations

Monthly Runoff
By esri_observations

Indian Ocean

MAURITIUS

Bay of Bengal



Dados > Data & Maps. [Link 1](#). [Link 2](#). [Link 3](#).

The screenshot shows the Esri My Esri user interface. At the top, there is a navigation bar with the Esri logo and links for ArcGIS, Industries, About, and Support. A search icon and a user profile for Rui Santos are also visible. Below this is a 'My Esri' header with a topographic map background. A navigation menu includes 'Painel de Controlo', 'O Meu Perfil', and 'As minhas Organizações'. The 'As minhas Organizações' section is active, showing 'Distribuidor' and '#4800 Esri Portugal'. A secondary menu lists various options like 'Lista de Organizações', 'Visão Geral', 'Utilizadores', 'Produtos', 'Transferências', 'Formação', 'Suporte', 'Eventos', and 'Relatórios'. The main content area is titled 'Dados e conteúdos' and includes a breadcrumb trail 'My Esri / As minhas Organizações / Produtos'. A language dropdown menu is set to 'Inglês'. Below this, there is a section for selecting items to transfer, with a search bar labeled 'Pesquisa Rápida' and a dropdown menu for 'Ordenar por: Ficheiros'. At the bottom of the main content area, there are dropdown menus for 'Ficheiros', 'Produto', and 'Versão'.



Dados > StreetMap Premium. [Link.](#)

esri ArcGIS Industries About Support

Rui Santos RuiSantos

Products

StreetMap Premium for ArcGIS

[Request a Quote](#)

Main What You Get Pricing

High-Quality Street Data for Display, Routing, and Geocoding

Add data from StreetMap Premium for ArcGIS to your ArcGIS software so you can display, geocode, route, and deploy street data on-premises, behind your firewall. Data is available for areas around the world such as North America, Latin America, Europe, the Middle East, Africa, Asia Pacific, and Japan.

Read how [Loma Linda University Health](#) (PDF) uses StreetMap Premium to enhance community health initiatives.



Dados > Esri Demographics. [Link1](#). [Link2](#).

ArcGIS Features Plans Gallery Map Scene Help Search Sign In

Esri Demographics

Home Access Data Coverage Reference

Power your GIS with global demographic, spending, lifestyle, and business data.

Search thousands of data attributes for over 130 countries.

Navegador de Datos United States

search for a variable name

Population Income Age Households



Open Data. [Link1](#). [Link2](#).

ArcGIS Open Data

Documentation

GeoNet

 Sign In



Share Live ArcGIS Open Data in Minutes

As part of your ArcGIS Online subscription, you can use ArcGIS Open Data to share your live authoritative open data. Esri-hosted ArcGIS Open Data gives you a quick way to set up public-facing websites where people can easily find and download your open data in a variety of open formats.



You Can Easily Share
Data with the Public



Anyone Can Use Open
Data for Free



Your Data Helps Real
People Solve Real
Problems



Explore ArcGIS Open
Data



You Can Create Your
Own Public Open Data
Sites



Geodados da CM-Lisboa. [Link.](#)

Geodados - Plataforma de Dados Abertos Georreferenciados

Search for open data



SEARCH WITHIN MAP

My Activity



O Projeto

O Geodados é a plataforma da Câmara Municipal de Lisboa para a disponibilização de coleções de dados geográficos sobre a cidade de Lisboa. Este projecto pretende potenciar a utilização e a reutilização de informação produzida pelo município, com vista à sua divulgação e à criação de produtos e serviços que lhe acrescentam valor, acessíveis por diversos tipos de dispositivos informáticos.




Formação: Aprendizagem ao Longo da Vida

- Classe de Formação com Instrutor (presencial e online).
- Cursos e-Learning.
- Lições.
- Tutoriais.
- Conquistas.
- MOOCs.
- Wish list.
- Livros.
- Vídeos e Seminários.
- Planos de Formação.
- Certificações.
- Painel de controle.
- Formação contínua.



Formação

- <http://www.esri.com/training>



The screenshot shows the ESRI Training website interface. At the top, there is a navigation menu with the following items: Main, Training Catalog, My Training, News, Certification, and Common Questions. Below this, a secondary menu includes Overview, Getting Started, Instructor-Led Courses, E-Learning Courses, and Training for Organizations. The main content area features a large banner with the text "Every Second Counts" and a sub-headline "Learn ArcGIS best practices that support public safety workflows." An orange button labeled "View courses" is positioned below the text. The background of the banner shows a person wearing glasses and a uniform, sitting in the driver's seat of a vehicle and looking at a laptop screen displaying a GIS map.




Formação. <http://learn.arcgis.com>

Learn ArcGIS ▾ Lesson Gallery Support Sign In English ▾ 

Learn ArcGIS

with guided lessons based on real-world problems.



Esri e-Books. [Link.](#)

The screenshot shows the Esri E-books website interface. At the top, there is a navigation bar with 'News' and 'E-books' sections. Below 'E-books', there are tabs for 'Main', 'Technology', and 'Industries'. The main content area is titled 'Featured E-books' and displays six e-book cards in a grid. Each card includes a cover image, the title, a brief description, and a 'Read the E-book' button.

E-book Title	Description
Essays on Geography and GIS, Vol. 7	Esri's popular collection of articles covering trends in geography, geospatial matters, and GIS. Learn about the entire series.
Managing GIS 3	The third e-book in Esri's series focusing on GIS management issues.
GeoLearning	Thoughts on geography and education by Daniel C. Edelson, National Geographic Society.
Crossing Borders	Essays on geographers in academia and the public and private sectors, by Doug Richardson, AAG.
Essays on Geography and GIS, Vol. 6	Esri's popular collection of articles covering trends in geography, geospatial matters, and GIS.
Enterprise GIS	Eleven case studies show how enterprise GIS lets more people benefit from the power of GIS.



The ArcGIS Book. [Link.](#)

The ArcGIS Book Chapters  Interactive PDF

Book Series  Sign In English 



The ArcGIS Imagery Book. [Link.](#)

The ArcGIS Imagery Book Chapters

 Interactive PDF  Sign In  English



Esri Map Book. <http://www.esri.com/mapmuseum>

Map Book Gallery

Published annually since 1984, the Esri Map Book acknowledges the important and innovative accomplishments of GIS users around the world. Each volume showcases some of the work presented at the Map Gallery exhibit at the Esri International User Conference.

Esri Map Book Online

- Volume 29: GIS—Creating Our Future [PDF]
- Volume 28: GIS—Transforming Our World

Esri Map Book Archive

- Volume 27: GIS—Where GIS is a way of life
- Volume 26: GIS—Understanding Our World
- Volume 25: GIS—Then and Now
- Volume 24: GIS—Designing Our Future
- Volume 23: GIS—Geography in Action

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- *Conservation Map Book* [PDF]



Esri Map Book **28** Volume

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SpatialLABS – [Link](#).

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- [Assessing Point Groundwater Contamination Potential: Florida caves](#)
- [Assessing Point Groundwater Contamination Potential: The Floridan Aquifer](#)
- [Assessing Risk and Accessibility to Search and Rescue Teams](#)
- [A Little Spare Change: Monitoring land-cover change by satellite](#)
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HOW TO USE

Click a title in the left hand menu to open a description. Once on that page, you will have the option to view the full lab or to download the lab to a local computer.

CONTACT US

For more information about the Esri Press SpatialLABS, email ensino@esri-portugal.pt



MOOC (Massive Open Online Course) – [Link](#).

- Going Places with Spatial Analysis. [Link](#).
- The Location Advantage. [Link](#).
- Do-It-Yourself Geo Apps. [Link](#).
- Earth Imagery at Work. [Link](#).
- Cartography. [Link](#).
- Spatial Data Science: The New Frontier in Analytics. [Link](#).



Esri Vídeos. <http://www.esri.com/videos>



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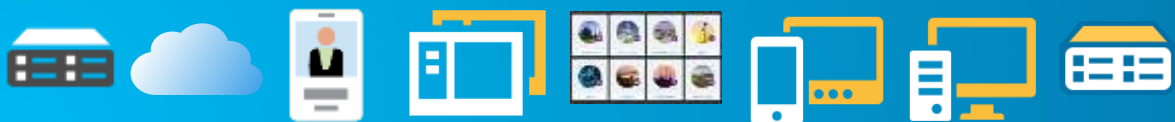
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Manutenção. [Link](#). (3m07s)



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esri

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Conversa

Para Manter a Conversação Todo o Tempo

ArcGIS Ideas. [Link.](#)

The screenshot shows the ArcGIS Ideas website. At the top is the Esri logo and navigation menu with links for Industries, Products, Support & Services, About, and Community. A search bar is located on the right. Below the navigation is a banner for GeoNet, 'The Esri Community', with a background of colorful speech bubbles. A secondary navigation bar includes links for 'Página Inicial', 'Notícias', 'Communities', 'All Content', 'ArcGIS Ideas', and 'Community Help'. On the right of this bar are a notification bell with '50+', a user profile, and a search icon. The main banner features a map background with a lightbulb icon and the text 'YOUR IDEAS IN MOTION'. Below the banner are tabs for 'Visão Geral' and 'Conteúdo', and a 'Seguir' button. The main content area has a 'Post an Idea' button, a 'SEARCH IDEAS' section with a search input field and a 'Pesquisar' button, and a 'GETTING STARTED' section with links to 'Idea Submission Policy', 'Submitting a New Idea', 'ArcGIS Ideas FAQ', and 'Statuses for ArcGIS Ideas'. A 'CATEGORIAS' section is partially visible on the left.

Indique as suas ideias e votes nas existentes.



Startups. [Link1](#). [Link2](#).

The screenshot shows the Esri Portugal website. At the top left is the Esri logo and the text 'esri Portugal'. To the right are navigation menus for 'Mercados', 'Produtos', 'Formação', and 'Sobre', followed by a search bar. Below the header, there is a breadcrumb trail: 'Educação, Cultura e Startups'. The main content area has a blue geometric background and features the title 'Programa Startups Esri' in large white text. Below the title is a paragraph: 'O programa providencia gratuitamente, durante três anos, as ferramentas que permitem a inclusão de tecnologia de localização e análise espacial nos produtos desenvolvidos por empresas emergentes.' At the bottom of the page is a horizontal navigation bar with buttons for 'Início', 'Administração', 'Ensino Superior', 'Escolas', 'Cultura', 'Recursos', and 'Startups', with 'Startups' being the active page.



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