



Understand & predict water availability, water sustainability & water resilience

About Earth Knowledge™ Hydrology

Climate change is altering water basin characteristics at a rapid pace. Modeling future water abundance and scarcity is crucial for effective regional and continental water management. Earth Knowledge climate, hydrologic and data scientists provide water agencies with powerful Azure tools to decipher their water landscape and protect communities.

What we offer

Earth Knowledge™ Hydrology on Azure empowers water-exposed agencies with data to inform policy decisions and strengthen communities. Our proprietary planetary digital twin models snowpack, net inflows/ outflows, precipitation, evaporation, water availability, water inventory and over 15 other key metrics across varying time horizons and climate scenarios.

The Earth Knowledge™ digital twin leverages science built upon a transdisciplinary methodology to deliver unmatched accuracy. Earth systems including geology and ecology directly influence model outputs, mirroring real-world conditions.

Earth Knowledge™ Hydrology is a native Azure marketplace solution and integrates seamlessly with best-in-class geospatial providers such as ArcGIS by ESRI.

Data-science provider



California Department of Water
Resources



California Department of Forestry
& Fire Protection

Earth Knowledge

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[See our offer on the Microsoft Azure Marketplace](#)

Why Microsoft Azure?

Be future-ready

Continuous innovation from Microsoft supports your development today, and your product visions for tomorrow. With 1,000+ new capabilities in the past year, you can build on the latest advancements in AI, blockchain, Kubernetes, containers, and databases to keep you ahead of the curve.

Our enterprise grade analytics solution outperforms the competition, costs less, and is fully compatible with your existing development, BI, and data-science tools

Operate hybrid seamlessly

On-premises, in the cloud, and at the edge—we'll meet you where you are. Integrate and manage your environments with tools and services designed for hybrid cloud.

Enhance security, simplify access, and set smart policies across your different environments with a single-identity platform trusted by 90% of enterprises globally.

Build on your terms

You have choices. With a commitment to open source and support for all languages and frameworks, build and deploy how you want to. Take advantage of the full-featured, integrated development environments with built-in support Visual Studio and Visual Studio Code, the most popular IDEs trusted by 15M+ developers.

We embrace open source, drive innovation through collaboration, and contribute back to the community.

Trust your cloud

Get security from the ground up, backed by a team of experts, and proactive compliance trusted by enterprises, governments, and startups.

With a \$1B+ investment in security R&D and 3,500 cybersecurity experts, security is foundational for Azure.



Microsoft Azure

Microsoft Azure is an ever-expanding set of cloud computing services to help your organization meet its business challenges. With Azure, your business or organization has the freedom to build, manage, and deploy applications on a massive, global network using your preferred tools and frameworks.

Learn more at
www.azure.com

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