

Supporting GIS Innovation and Development: Higher Education and the Esri GeoPortal for Central Asia and Caucasus

<https://www.esri-cis.com/>

Private company Founded in 1969

Revenue – \$1.3 billion

> 10 million users worldwide

> 650 000 organizations,
including 90% of Fortune 100

30 000 cities and local authorities

40-50% global GIS market

> 6000 employees
from 73 countries

30% revenue for R&D
– annual

In CIS – from 1992

<https://www.esri.com/en-us/about/about-esri/company>

Esri today

THE FORRESTER WAVE™
Location Intelligence Platforms
Q2 2020



*A gray bubble indicates a nonparticipating vendor.

Data+ International

Official distributor of Esri in Azerbaijan, Armenia, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, and Uzbekistan

ArcGIS licensing, Technical support, Training, Consulting

Partner network



In CIS – from 1992

<https://www.esri-cis.com/>



ArcGIS as a Platform

Web applications

Desktop GIS

Mobile clients

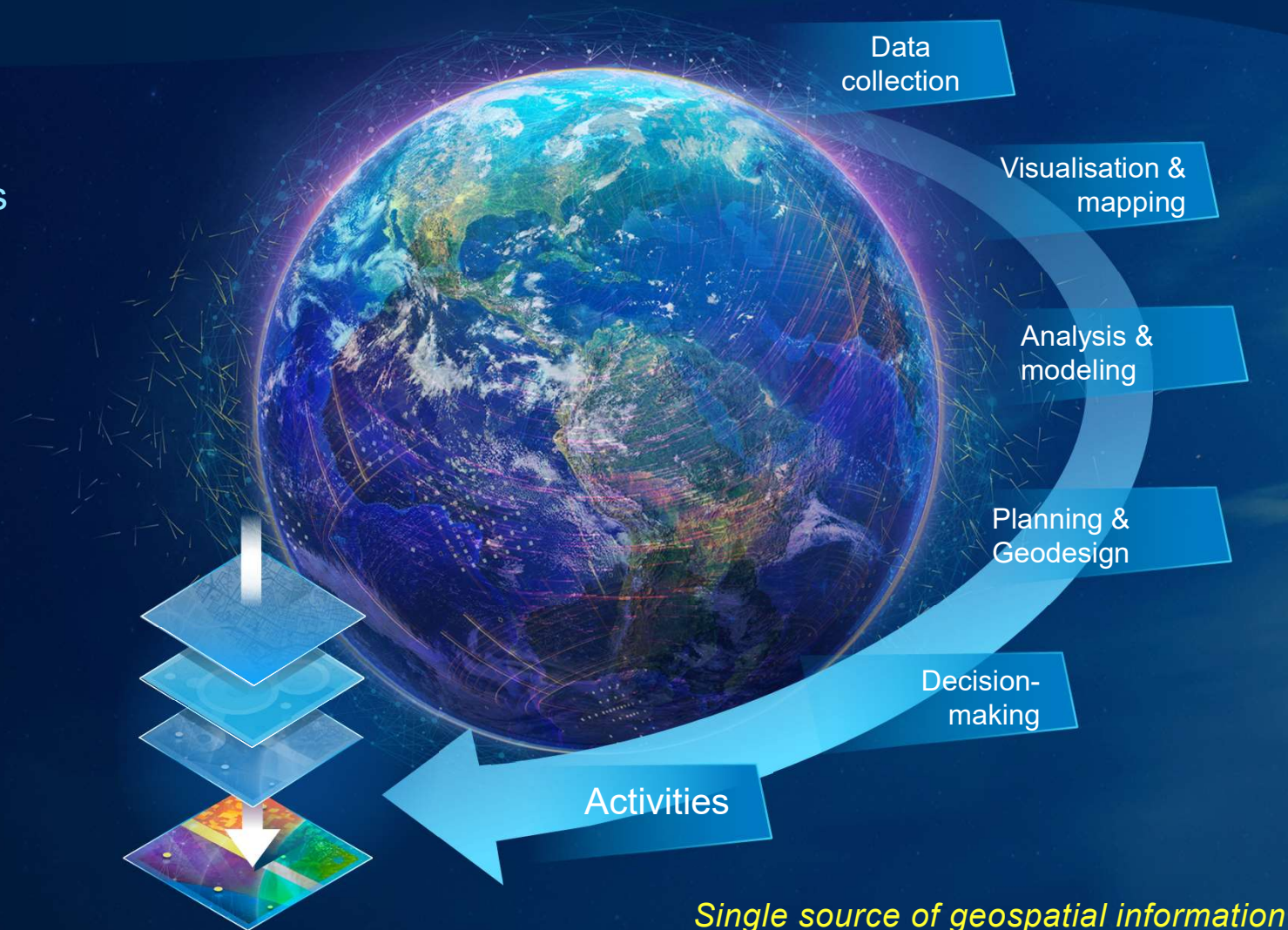
Tools for
developers

GIS Portal

Hosted locally or in
the cloud (AGOL)

Deep integration with products, for
example:

- Autodesk (BIM / 3D-Model)
- Bentley BIM Model
- SAP HANA
- Trimble



Data+ participation in the Esri University Support Program

Esri Higher Education Program

Esri's university programs have been operating for more than 30 years around the globe and are designed to prepare top-notch professionals whose professional activities will be related to geographic information systems.

Nowadays, universities participating in the program can receive free ArcGIS training kits, exchange study programs, train their teachers, participate in regional and international cooperation of universities and student programs, as well as represent their universities at international events.

ESRI, is willing to assist universities and institutes of Central Asia in their participation in the said activities.

The [DEvision](#) program has been established for students who speak English and are interested in improving their GIS knowledge. This program offers online modules for self-study.

[Request for participation in the Program by a university](#)

[Course request by a faculty member](#)



<https://www.esri-cis.kz/>

Data+ participation in the Esri University Support Program

Learning objectives:

- Become familiar with ArcGIS tools.
- Obtain ArcGIS training materials.
- Prepare to develop your own thematic/industry-specific courses for GIS and a wide range of non-GIS professionals.

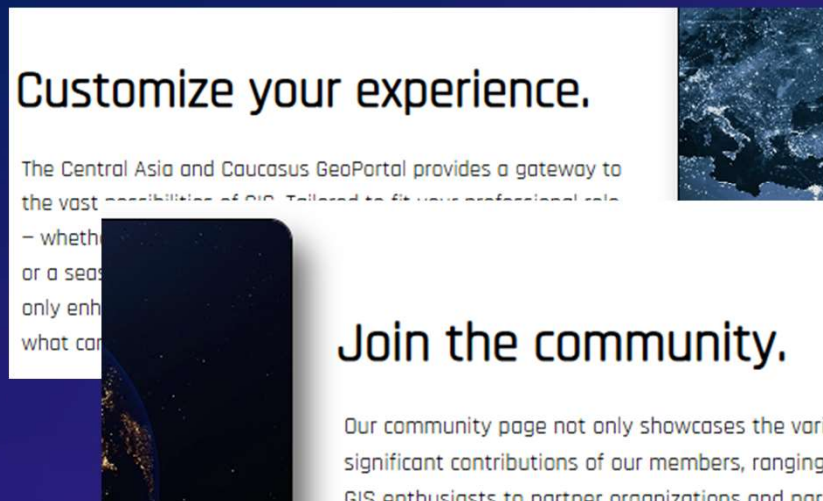
КазНУ им. Аль-Фараби, географический факультет	Университет Центральной Азии
Кокшетауский университет имени Шокана Уалиханова	Костанайский региональный университет имени Ахмет Байтұрсынұлы
Медицинский университет Семей	Astana IT University
КНИТУ К.И.Сатпаева, Кафедра "Маркшейдерское дело и геодезия"	Восточно-Казахстанского технического университета им. Д. Серикбаева, Школа наук о Земле
Казахский Национальный Аграрный Исследовательский Университет Факультет Агроботаники Центр устойчивого земледелия	Восточно-Казахстанский технический университет им. Д. Серикбаева, Центр компетенций и трансфера технологий в области геологии и горного дела
Научно-исследовательский институт биотехнологии и экологии при НАО «Жетысуский университет имени Ильаса Жансугурова»	Казахский нац. технический университет геологии и нефтегазового дела им.
Казахский Национальный Педагогический Университет им. Абая	Международный университет Астана
Назарбаев Университет, Институт умных систем и искусственного интеллекта (ISSAI)	Западно-Казахстанский аграрно-технологический университет им. С. Аманжолова, НАО
Евразийский Национальный университет им. Л.Н. Гумилева	Национальный университет архитектуры и строительства
Американский университет Центральной Азии (AUCA)	Туринский Политехнический Университет
Национальная Академия Авиации РА	Ташкентский университет Adju (Аджуда)
Казахстанский филиал МГУ, Кафедра экологии и природопользования	Самаркандский государственный университет
Университет имени Шакарима города Семей, Инженерно-технологический факультет	Инновационный колледж АУЦА (Ташкент, AUCA)
Актюбинский региональный государственный университет имени К. Жубанова (АРГУ), кафедра географии и туризма	Бакинский лицей Эврика
Евразийский Национальный университет им. Л.Н. Гумилева, факультет естественных наук	Президентский лицей Акылман
Каспийский общественный университет, Институт нефтегазового дела, геологии и IT	Школа Haileybury Astana

Курсы для преподавателей 2023-2024 гг.	Сертиф-ов в РК	Сертиф-ов в Уз	Всего сертификатов
ArcGIS: Начало работы с ГИС	1		1
ArcGIS Pro: Основные рабочие процессы	1	6	7
ArcGIS: Начало работы с ГИС	10		10
ArcGIS Pro: Основные рабочие процессы	12		12
Организация полевого сбора данных с помощью мобильных приложений ArcGIS	9	2	11
ArcGIS: Начало работы с ГИС	6		6
ArcGIS Pro: Основные рабочие процессы	4		4
ArcGIS Pro: Пространственный анализ	1		1
ArcGIS Pro: Управление геопространственными данными	4		4
ArcGIS Pro: Основные рабочие процессы	1		1
Организация полевого сбора данных с помощью мобильных приложений ArcGIS	3		3
ArcGIS: Начало работы с ГИС	10		10
ArcGIS Pro: Основные рабочие процессы	8		8
Организация полевого сбора данных с помощью мобильных приложений ArcGIS	8		8
Всего:	78	8	86

Esri Central Asia and Caucasus GeoPortal

- The GeoPortal is open Esri platform designed to promote and apply GIS to solve regional issues and other non-commercial goals.
- The main users are students and educators, non-profit organizations, and GIS enthusiasts.
- The GeoPortal provides ArcGIS Online capabilities on a free basis.

<https://www.cacgeoportal.com/>

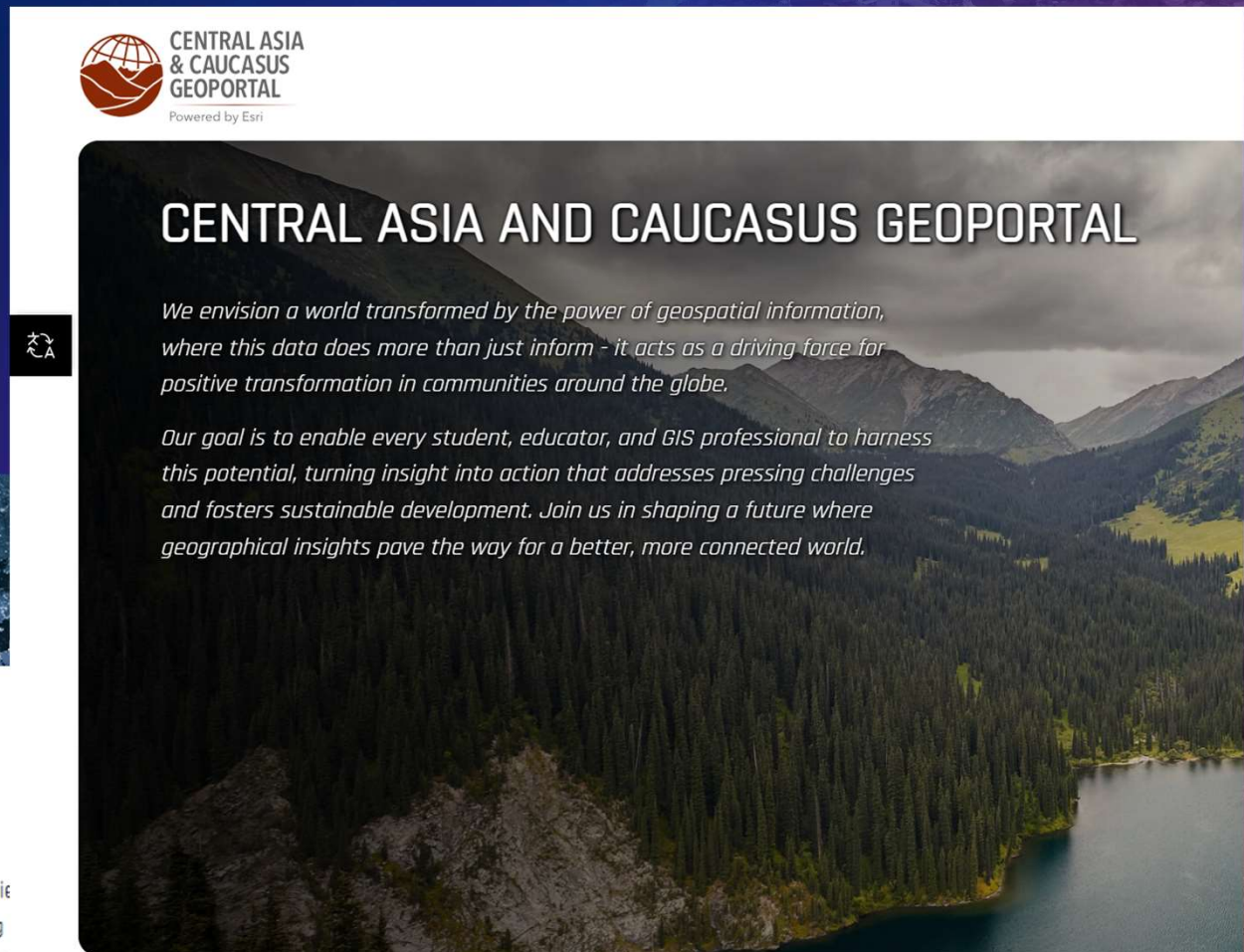


Customize your experience.

The Central Asia and Caucasus GeoPortal provides a gateway to the vast possibilities of GIS. Tailored to fit your professional role – whether you are a student, educator, or a seasoned professional – only enhanced by the power of GIS. What can you achieve?

Join the community.

Our community page not only showcases the varied significant contributions of our members, ranging from GIS enthusiasts to partner organizations and part



 **CENTRAL ASIA & CAUCASUS GEOPORTAL**
Powered by Esri

CENTRAL ASIA AND CAUCASUS GEOPORTAL

We envision a world transformed by the power of geospatial information, where this data does more than just inform - it acts as a driving force for positive transformation in communities around the globe.

Our goal is to enable every student, educator, and GIS professional to harness this potential, turning insight into action that addresses pressing challenges and fosters sustainable development. Join us in shaping a future where geographical insights pave the way for a better, more connected world.

Dedicated data management

Tree segmentation,
UZSPACE Agency

Nonprofit Organizations:

- For transparency and data sharing with the public and partners.
- The level of data security is the same as ArcGIS Online
- Maintaining spatial data sets for collaboration and information sharing

Universities:

- For access to up-to-date spatial data and tools.
- For collaborative research projects, publications, and field practice.

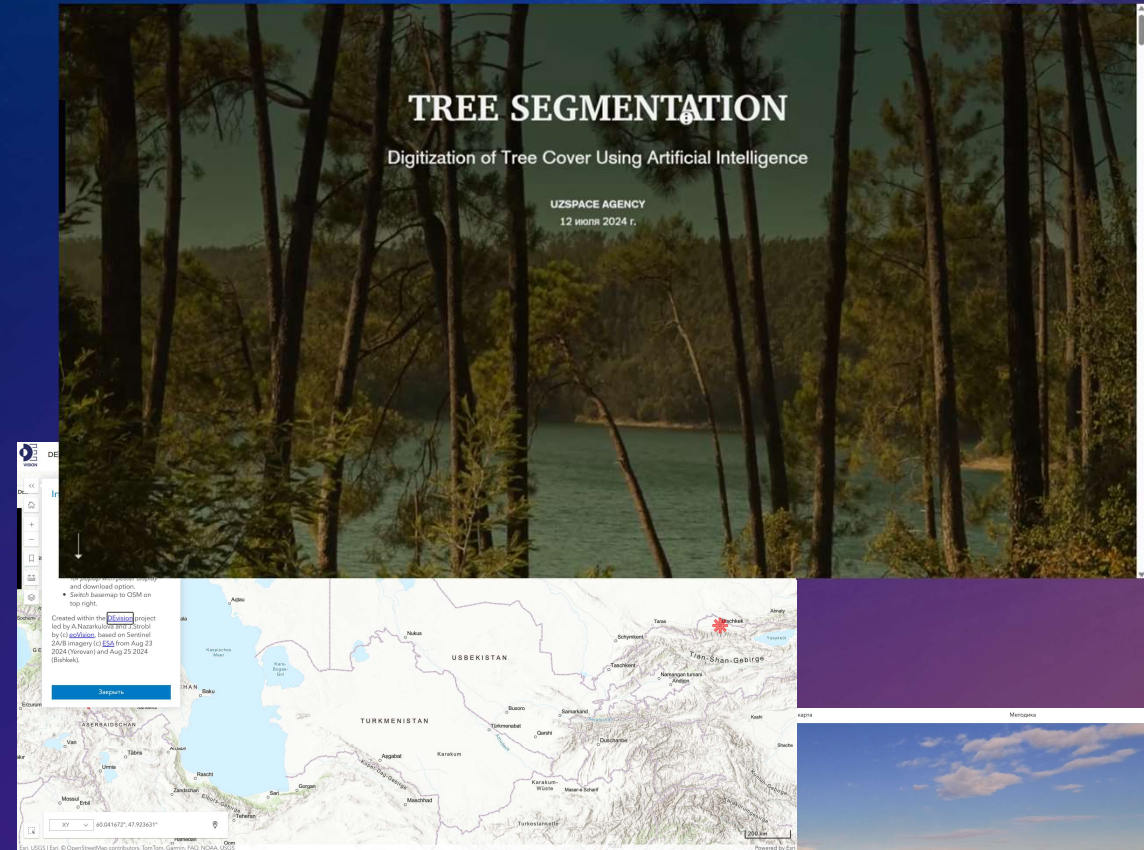
GIS Enthusiasts:

- For learning and practicing spatial data skills.
- For creating their own maps and projects.

All:

- For community participation, knowledge sharing, and data exchange.

Data access restrictions are assigned by the administrator of each individual organization.



Sentinel 2 imagery and posters for
Yerevan and Bishkek, DEvision

GeoPortal tools available for use



Geospatial Analysis Tools

Free access to the best tools for working with geospatial data for mapping, analysis, and application development.



Map Viewer
Creation and editing
of maps and features.



Dashboards
Dashboard builder.
Simple and popular.

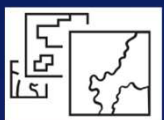
And others



Field Maps
Mobile app.
Field data collection.



Experience Builder
Modern 2D and 3D web-app
builder.



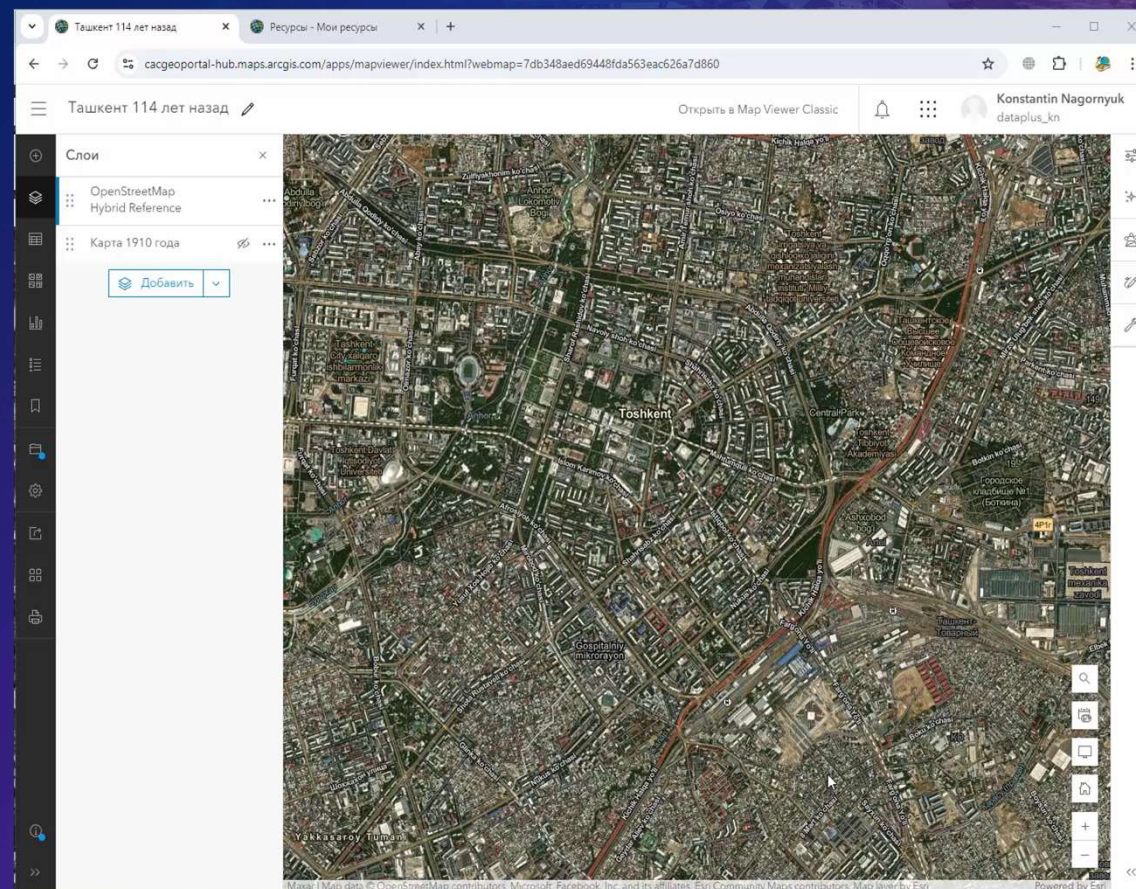
Living Atlas

Access to the Esri Open Data Gallery, including satellite imagery, digital elevation models (DEMs), multidimensional rasters, and more.

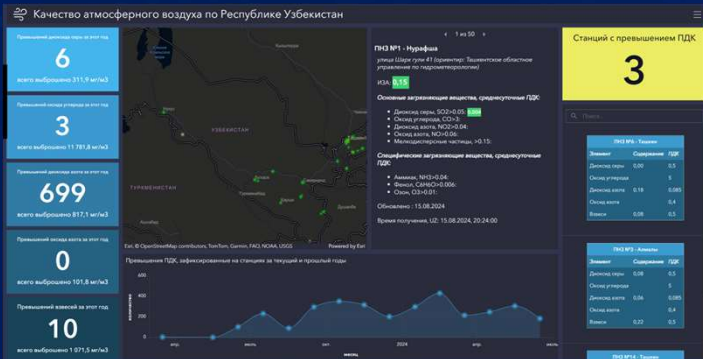


Geodatabase

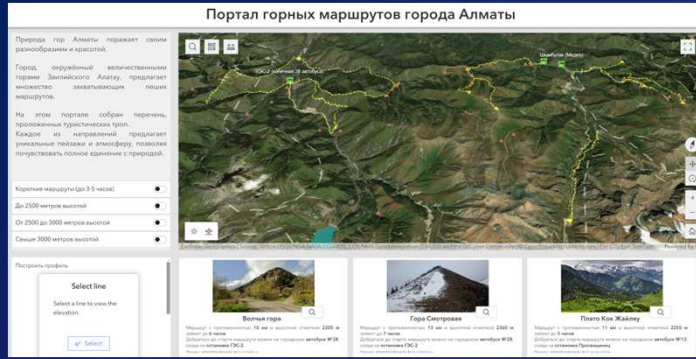
Ability to upload custom 2D and 3D geographic formats for editing and visualization.



Applications of current GeoPortal users



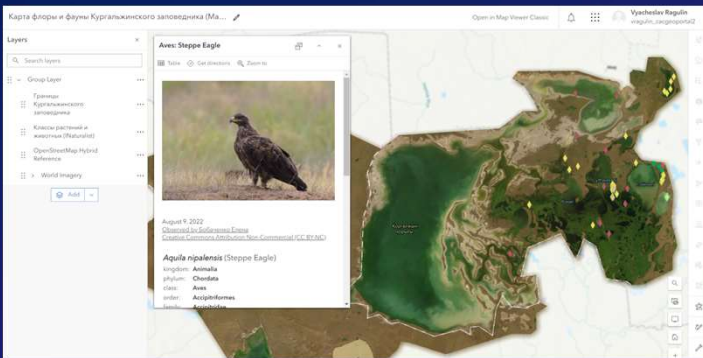
Air quality across the Republic of Uzbekistan (Dashboards + data from the Hydrometeorological Service Agency)



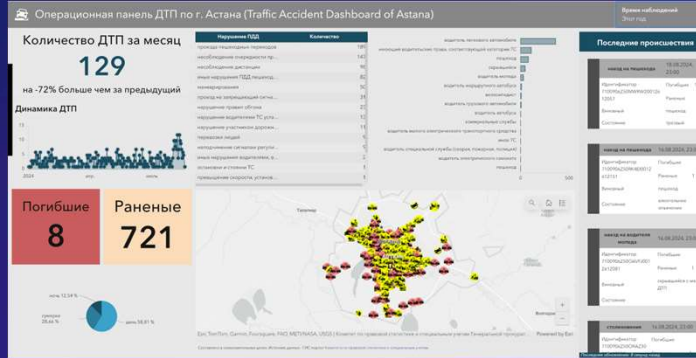
Mountain trails portal of Almaty city (Experience Builder + trail data from open sources)



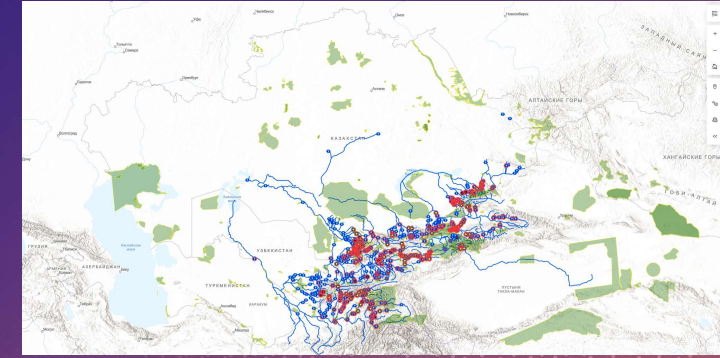
Factors of mudflow occurrence in Tajikistan (Experience Builder + StoryMap)



Map of the flora and fauna of the Korgalzhyh Nature Reserve
(Map Viewer + iNaturalist data).



Traffic accident dashboard for Astana
(Dashboards + data from Committee on Legal Statistics and
Special Accounting)



[Dams in the River Basins of Central Asian Mountains \(Map Viewer\)](#)

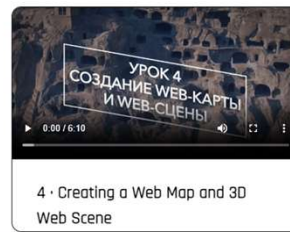
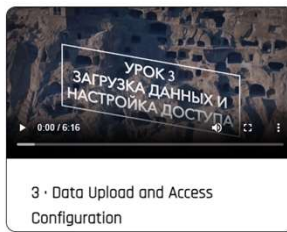
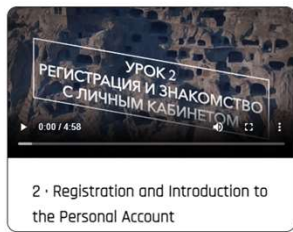
Data+ Contribution

- Conducting online and offline presentations and workshops
- Creating training materials – manuals and video tutorials
- Populating the GeoPortal with applications and data

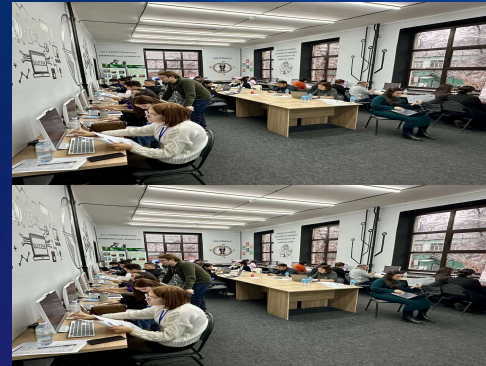
Number of registered users: **1279**

Series of video-tutorials

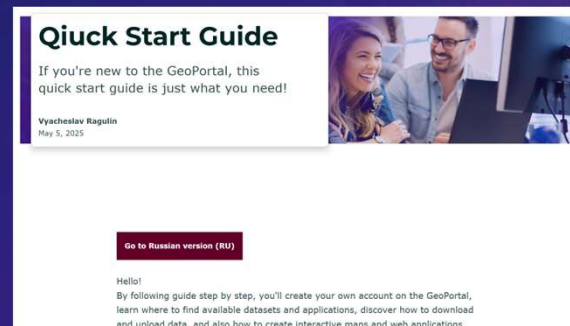
GETTING STARTED



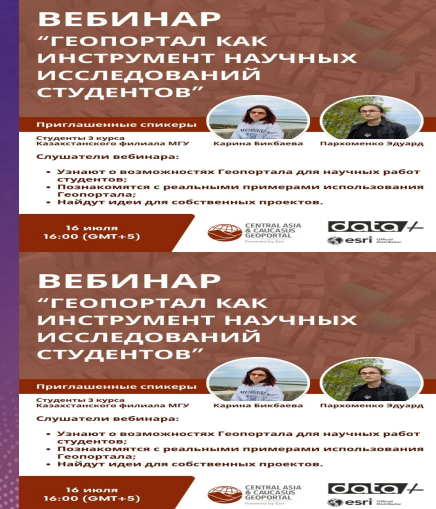
Offline hands-on workshops



Quick Start Guide



Webinar announcement



<https://www.cacgeoportal.com/>

Thank you for your attention!

<https://www.esri-cis.com/>

<https://www.esri-cis.kz/>

<https://www.esri-cis.uz/>

<https://www.esri-cis.az/>

<https://www.esri-cis.kg/>

Телеграм канал: ГИС Esri ArcGIS: t.me/esrirus

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market@esri-cis.com



esri

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SCIENCE
OF
WHERE