

Need for job-ready skills

Esri India's Approach

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**Vice President
Business Development, Esri India**

Agenda

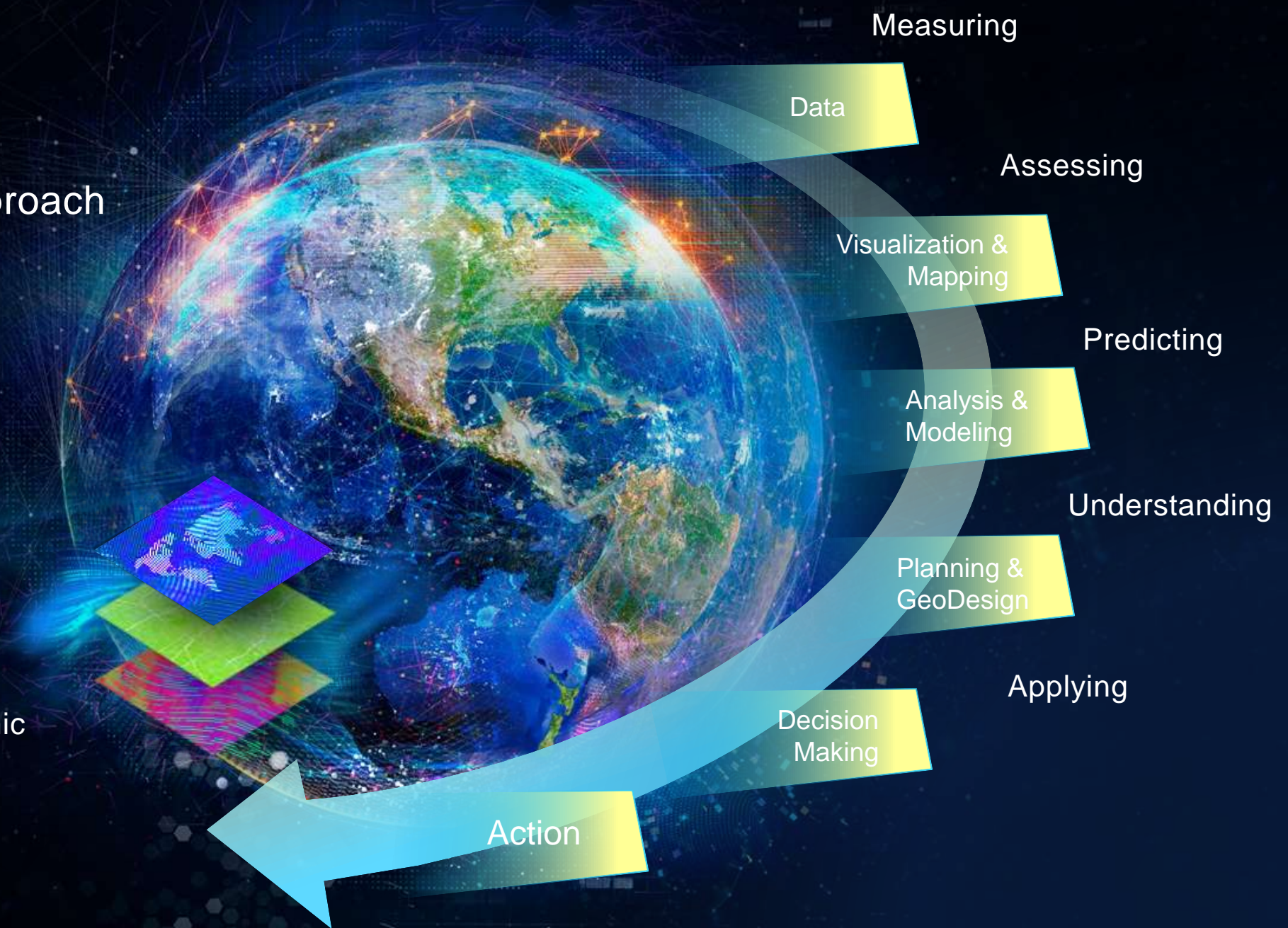
1. **Software**-The ArcGIS Ecosystem
2. **Data**-Esri Living Atlas
3. **Skill** -Esri Academy & Global certification
4. **Job** Market
5. **GeoAI** –Shifting Paradigm in skill/Job

GIS

Enables The
Geographic Approach

Providing a Process
and Framework . . .

. . . For Applying Geographic
Knowledge Widely



Measuring

Data

Assessing

Visualization &
Mapping

Predicting

Analysis &
Modeling

Understanding

Planning &
GeoDesign

Applying

Decision
Making

Action

IndoArcGIS Ecosystem

The “Software”

ArcGIS Products

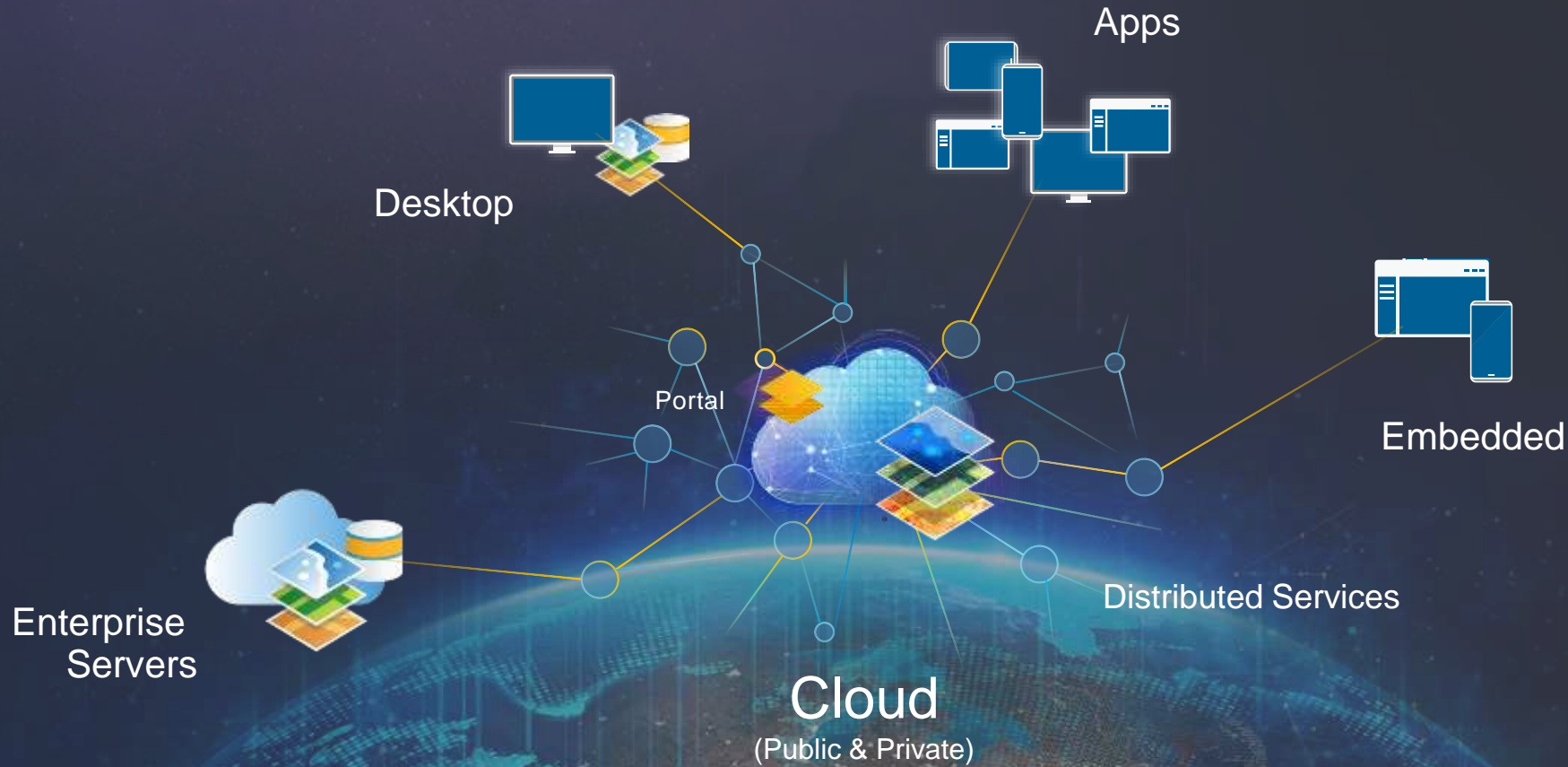


Connected –Named user license
Work/Store from anywhere

... All Part of the ArcGIS Geospatial Cloud

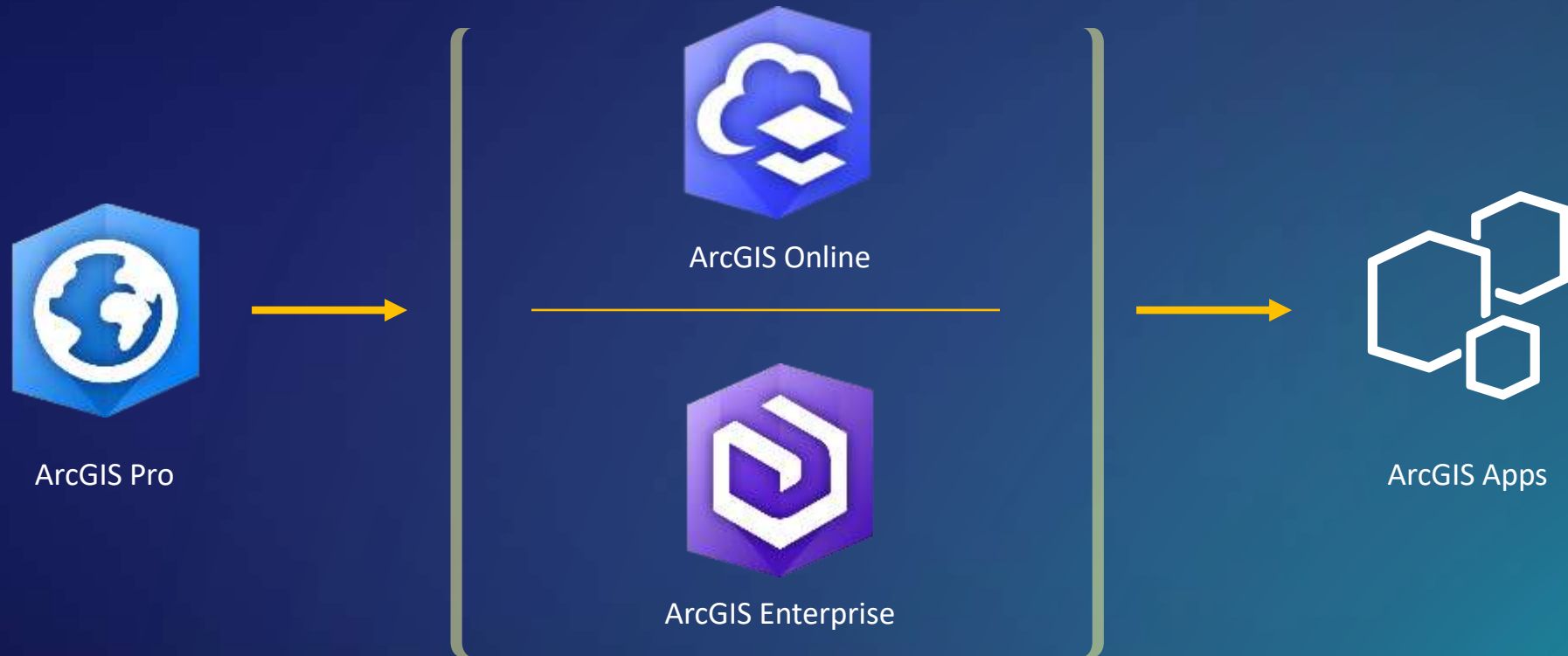
GIS Is Increasingly Becoming Interconnected

Creating Geospatial Infrastructure



*Connecting and Streamlining . . .
Collaboration, Workflows and Decision Making*

ArcGIS platform overview



ArcGIS for Developers

IndoArcGIS Living Atlas

The “Data”

ArcGIS Living Atlas & ArcGIS Online Basemaps

The image is a collage of screenshots from the ArcGIS interface, illustrating the process of adding a layer from the Living Atlas to a map. The screenshots are arranged as follows:

- Top Left:** A screenshot of the 'Basemap' selection menu. It shows various basemap options such as 'Dark Gray Canvas', 'Imagery', 'Imagery Hybrid', 'Light Gray Canvas', 'Navigation Map', 'Oceans', 'Streets (light)', 'Streets Map', and 'Terrain with Labels'. The 'Imagery' option is selected.
- Top Right:** A screenshot of the map interface showing the 'World Terrestrial Ecosystems' layer added to the map. The map is in a topographic view.
- Middle Left:** A screenshot of the 'Living Atlas' search results. The search term is 'India: Land Use Pattern'. The results list several layers, with 'India: Land Use Pattern' selected. The description for this layer is: 'It provides details of land use (area and percentage) under total geographical area, reporting area for land utilization, forests, not available for cultivation, permanent pastures and other grazing lands, land under miscellaneous tree crops & groves, culturable wasteland, fallow lands other than current fallows, current fallows and net area sown.' There is an 'Add to Map' button at the bottom.
- Middle Right:** A screenshot of the 'Add Layer from Web' menu option, which is highlighted with a blue arrow. Other options include 'Search for Layers', 'Browse Living Atlas Layers', 'Add Layer from File', and 'Add Map Notes'. Below the menu is a list of layers, including 'SRTM 50cm maxrelief', 'World Imagery', 'World Street Map', 'SRTM 5m', and 'SRTM 50cm maxrelief - Shaded Relief'.
- Bottom Right:** A screenshot of the metadata window for 'Pansharpened Landsat'. The metadata includes: Name: Qv_j03_L05_R00000001_C00; Category: Overview; Dataset ID: Landsat8; Acquisition Date: May 20, 2019; WRS Path, WRS Row, Cloud Cover, Sun Azimuth, and Sun. There is a 'Zoom to' button at the bottom.

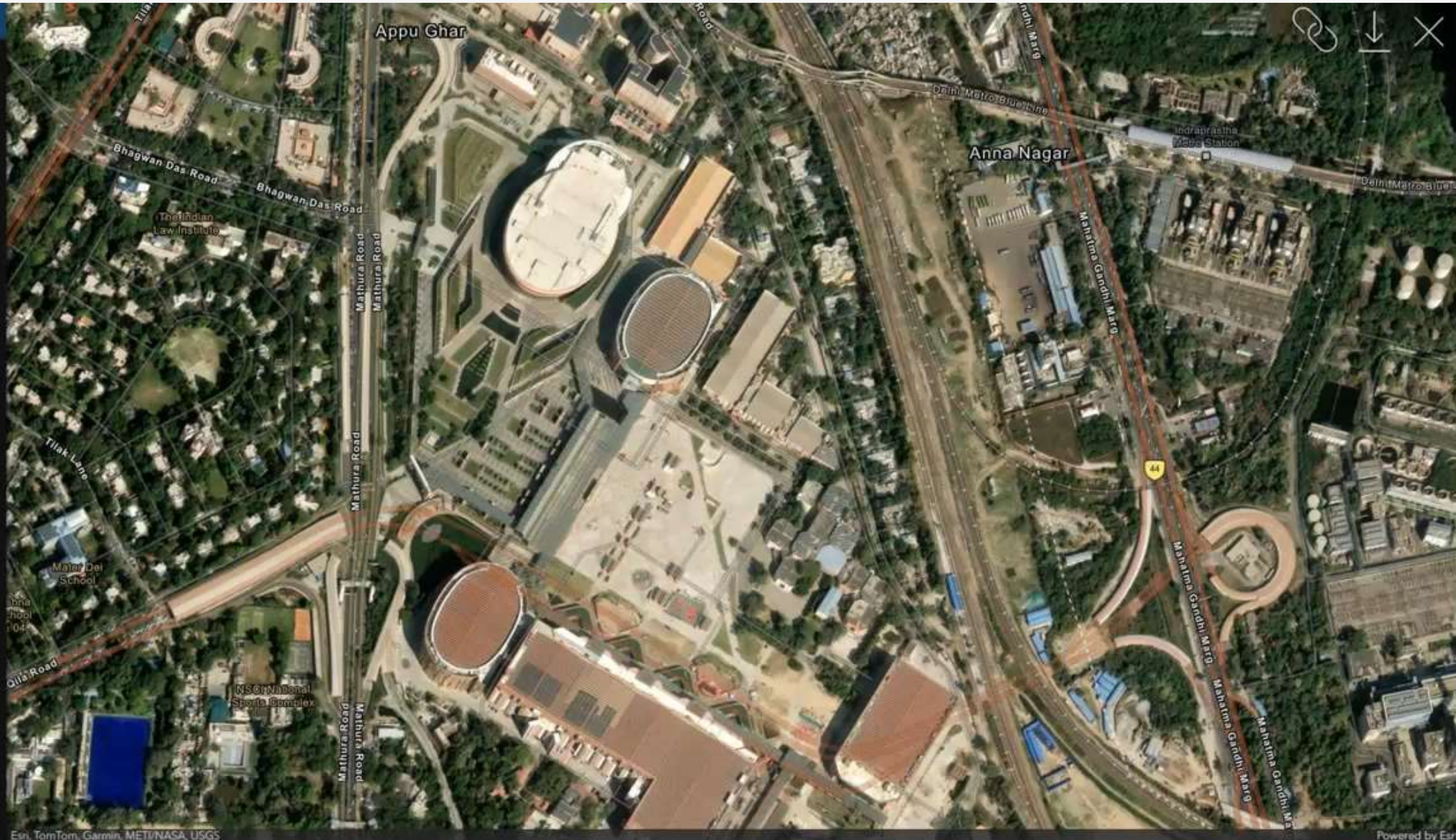
Esri | World Imagery Wayback

Animation Speed

- 2025-06-26
- 2023-08-10
- 2022-06-08
- 2021-06-09
- 2018-11-07
- 2017-05-31
- 2016-09-14
- 2014-12-03
- 2014-02-20

Esri, TomTom, Garmin, METI/NASA, USGS

Powered by Esri



IndoArcGIS Content

Geo-Enabled Content with Quarterly, Half-Yearly & Annual UPDATES

**600+
Services**

Include Major Segments

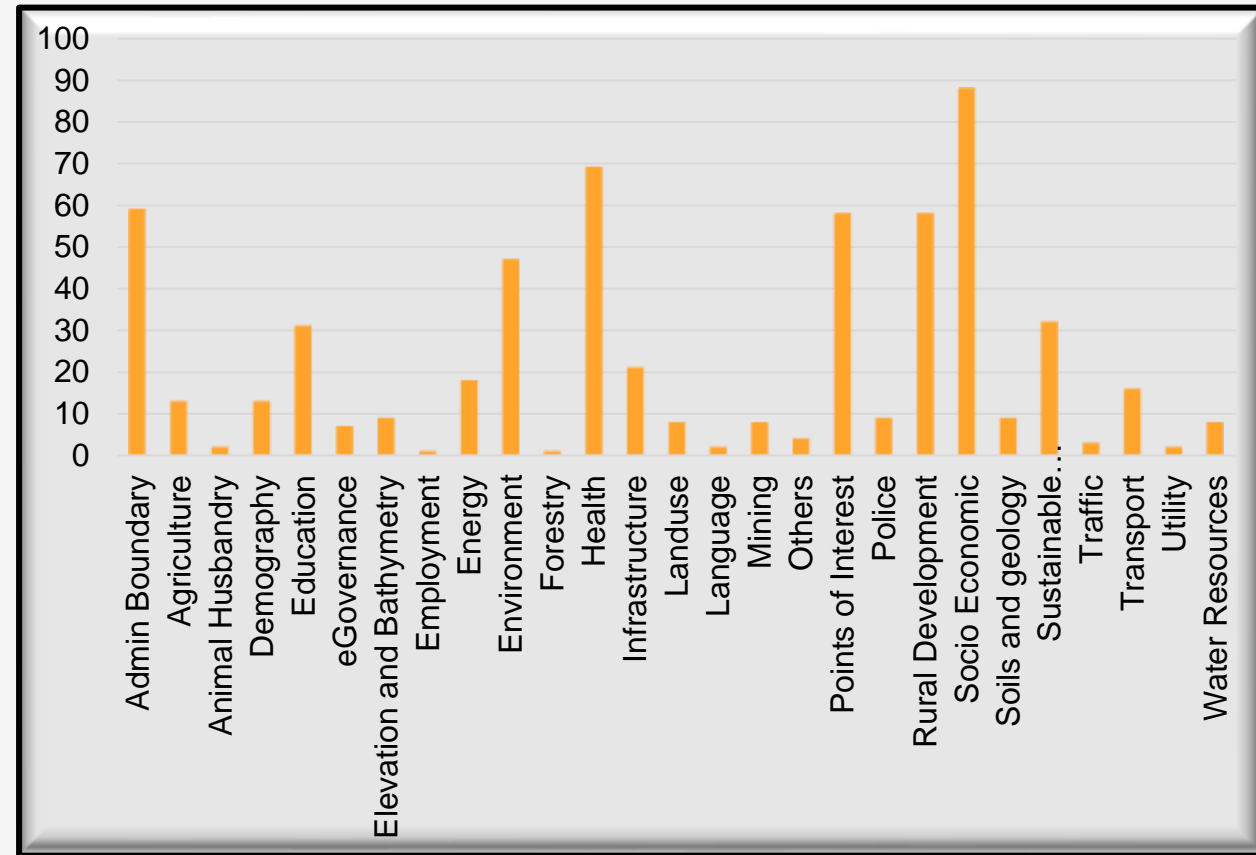
Demography,
Health,
Education,
Rural
Development,
Crime, Energy
Resources

Content From Authoritative Sources

SOI, ECI,
Census, PMGSY,
MGNREGA, NITI
Aayog-SDG,
CWC, SECC

Open-Source

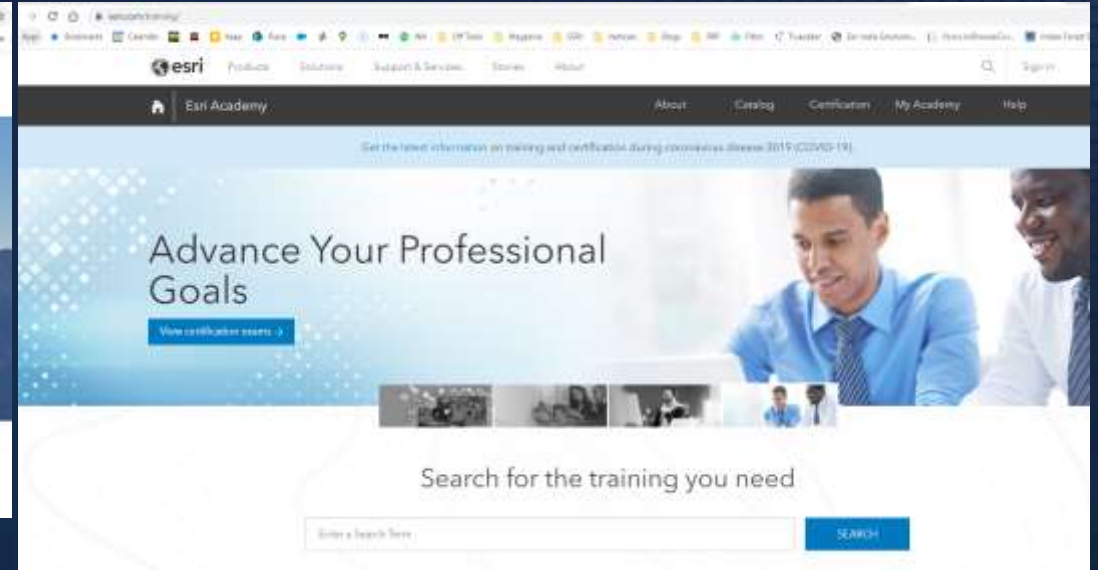
POI, Highway,
Railway,
Waterbodies












Esri Academy

The “Skill”

Skill Development



Browse by Topic

- 
Getting Started
- 
ArcGIS Products
- 
Data Management
- 
Mapping
- 
Spatial Analysis & Data Science
- 
Field Operations
- 
Scripting & Development
- 
Imagery & Remote Sensing
- 
3D Visualization & Analytics



FORMATS

Viewing All

PRODUCTS

Viewing All

Maintenance Free

SORT

Recently Added

VIEW





Products ▾

Industries ▾

Support & Services ▾

Stories ▾

About ▾



Esri Academy

About

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Certification

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Help

New ArcGIS Enterprise Administration Professional Certification

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Search for the training you need

SEARCH

Career Prospects

The “Job”

Job Potential- The ArcGIS Ecosystem

The screenshot shows the Naukri job search interface. At the top, there's a search bar with 'arcgis' entered, and buttons for 'Login' and 'Register'. Below the search bar, there are navigation tabs for 'Jobs', 'Companies', and 'Services'. The main content area displays a list of jobs. The first job is 'GIS Fresher Hiring' by Cognizant, with a rating of 3.7 and 58093 reviews. It is located in Pune and is 0 years old. The second job is 'GIS Engineer' by IIC Technologies, with a rating of 3.5 and 340 reviews. It is located in Jodhpur and is 0-3 years old. On the left side, there are filter sections for 'Work mode', 'Experience', and 'Department'. The 'Work mode' section has options for 'Work from office (21408)', 'Hybrid (554)', and 'Remote (497)'. The 'Experience' section has a slider from '0 Yrs' to 'Any'. The 'Department' section has options for 'Engineering - Soft...', 'Production, Manuf...', 'Data Science & An...', and 'IT & Information Se...'. On the right side, there are promotional banners for 'See 50 jobs in Featured Companies' (listing Tech Mahindra, Capgemini, and OPENTEXT) and 'Get 3X more profile views from recruiters' (listing naukri FASTFORWARD).

The location filter dropdown menu shows a list of cities with their respective job counts. The cities listed are: Bengaluru (7300), Hyderabad (4215), Pune (2918), Delhi / NCR (2833), Chennai (2281), Mumbai (All Areas) (2191), Mumbai (1703), Gurugram (1020), Noida (991), New Delhi (668), Kolkata (615), Ahmedabad (460), Coimbatore (428), Navi Mumbai (346), Indore (208), Kochi (153), Jaipur (151), Vadodara (133), Bhubaneswar (130), Nagpur (125), Thane (90), Surat (86), Faridabad, Thiruvananthapuram, and Mysuru (5).

The filters section contains two main sections: 'Top companies' and 'Education'. The 'Top companies' section has a search bar and a list of companies with their job counts: Accenture (7812), IBM (421), Iris Software (213), Qualcomm (190), Altimetrik (112), EY (101), ABB (63), S&P Global Market Intelligence... (58), Wipro (56), Infosys (51), Deloitte Consulting (50), Microland (49), Larsen & Toubro (L&T) (41), CGI (40), Capgemini (39), Photon (39), Emerson (32), GreyOrange (31), EXL (29), Oracle (29), Mahindra, BNP Paribas, Deutsche, AtkinsRéalis, Nagarro, Hewlett Packard, Thales (23), Tata Comr, Bajaj Finar, and Zensar (20). The 'Education' section has a list of education levels: Any Postgraduate (18485), M.Tech (739), MCA (506), Post Graduation Not Required (451), MBA/PGDM (363), MS/M.Sc(Science) (244), CA (129), LLM (78), Medical-MS/MD (48), PG Diploma (42), M.Com (35), ICWA (CMA) (16), Any Graduate (11388), B.Tech/B.E. (10915), Diploma (428), B.Sc (365), BCA (280), B.B.A/ B.M.S (149), B.Com (115), and B.A (70). There are also 'Apply' buttons at the bottom of each section.

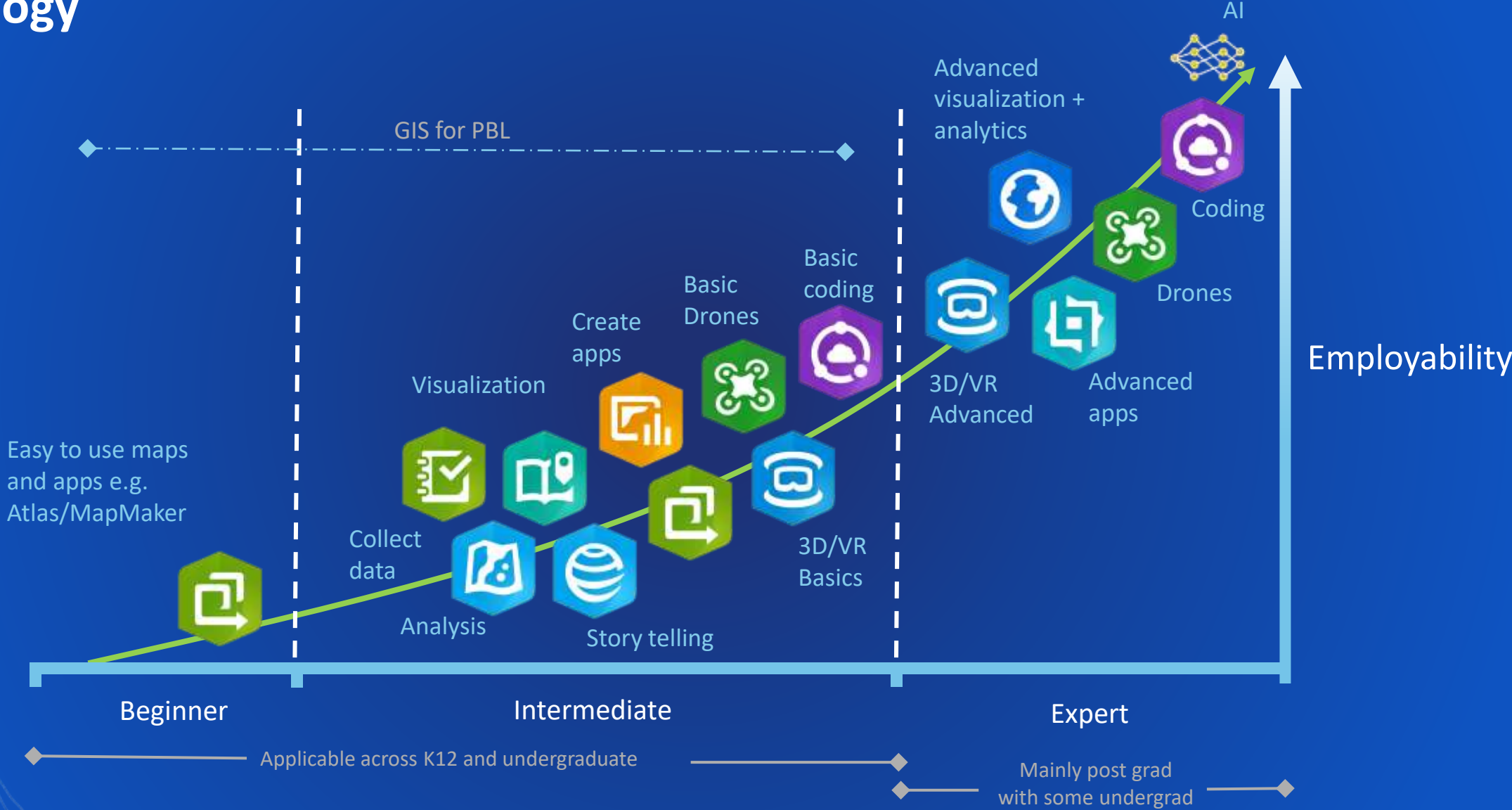
LinkedIn search results for 'arcgis in India' showing 3,559 results. The top job listing is for 'Senior / Principal Spatial or Urban Planner' at WSP in India, Noida, Uttar Pradesh, India (Hybrid), posted 2 weeks ago. The job is promoted by the hirer and has 33 people who clicked apply. The job is Hybrid and Full-time. The user's profile is missing required qualifications, and there are buttons for 'Show match details' and 'Help me update my profile'. There are also buttons for 'Apply' and 'Save'.

Cognizant job listing for 'GIS Team Lead'. The job is located in Noida, Uttar Pradesh, India. The job is Hybrid and Full-time. The user can 'Apply now' or 'Save' the job. The job summary states: 'As a GIS Team Lead you will be responsible for overseeing the development and implementation of mobile applications for both iOS and Android platforms. You will work in a hybrid model ensuring seamless integration of GIS technologies into mobile solutions. Your role will involve collaboration with cross-functional teams to deliver...'. Key job details include Job number: 00065015H.

AtkinsRéalis logo and navigation menu: Who we are, What we do, What drives us, What we offer, Inside AtkinsRéalis. The main heading is 'GIS DEVELOPER - ARC GIS' located in Gurgaon, Bangalore R-088596.

Adzuna job listing for 'GIS Specialist (Bengaluru)' at Burns & McDonnell. The job is located in Bengaluru. The job is closing soon. The user can 'Apply for this job'. The job description includes: 'Assist in creating and maintaining GIS maps and spatial datasets using ArcGIS Desktop, ArcGIS Pro, and ArcGIS Online. Work with GIS databases (SDE in ArcGIS Software) to store and manage spatial data. Perform basic spatial analysis and mapping to support projects. Help manage GIS data in Relational Database Management Systems (RDBMS) (Bonus)'. There is also a 'adzuna search' logo.

Employability on-ramp for geospatial technology

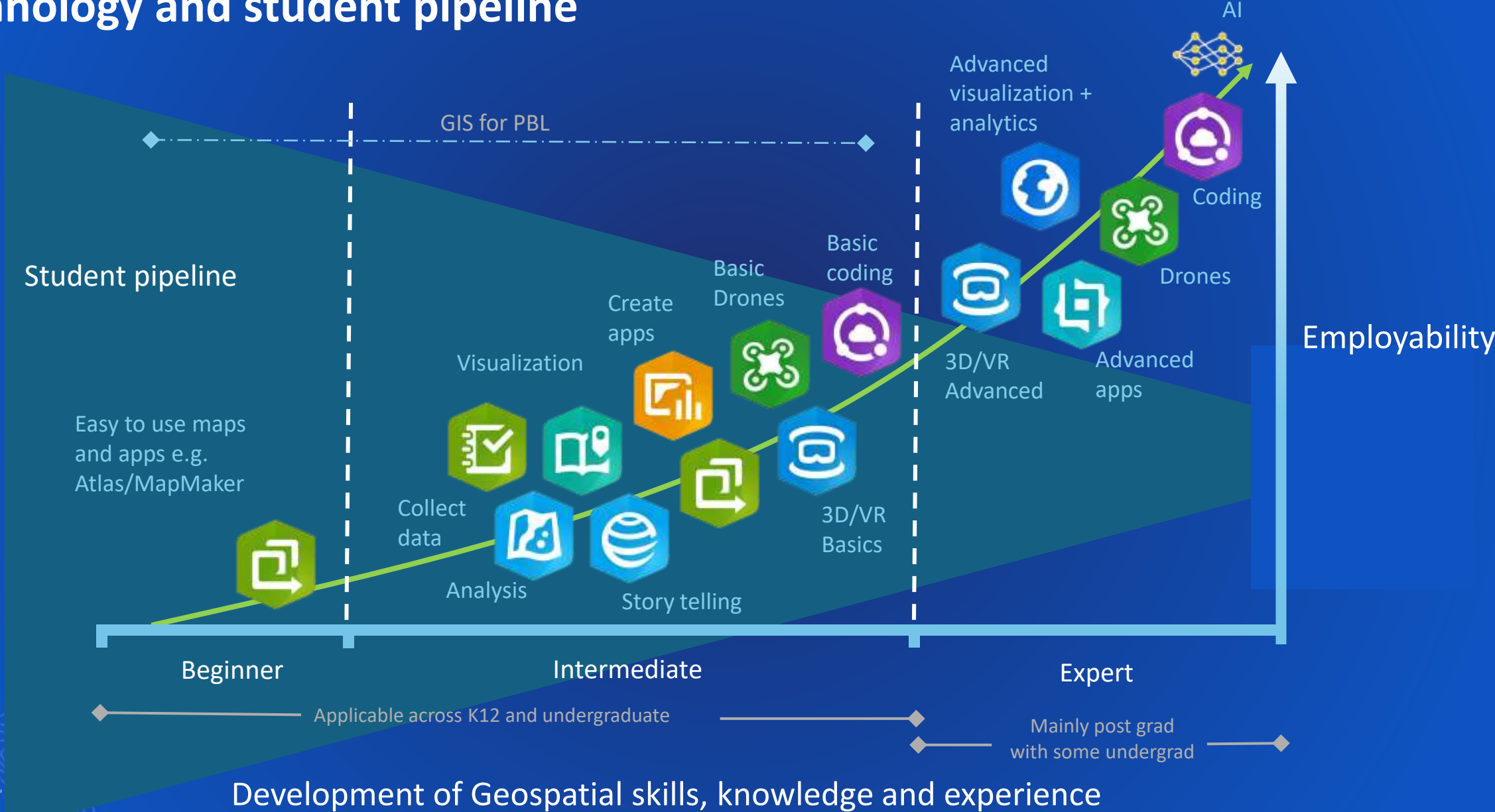


Development of Geospatial skills, knowledge and experience

Applicable across K12 and undergraduate

Mainly post grad with some undergrad

Employability on-ramp for geospatial technology and student pipeline



Employability on-ramp for geospatial technology and real jobs

0-1 Year Experience



Esri Educational Offering & Initiatives



Edu offering



**Esri India Institutional Agreement
(EIIA)
Campus license**



esri India

PEC

MoU signed by PEC and ESRI

Esri India Center of Geospatial Excellence



Mr. AGENDRA KUMAR
President, Esri India



Esri India and IEST launch Center of Geospatial Excellence in eastern region

PBD BUREAU
KOLKATA, OCT 5

ESRI India today announced the launch of a Center of Geospatial Excellence (CoGE) in the eastern region in association with Indian Institute of Engineering, Science and Technology (IEST) Shibpur. The center is being established to impart GIS skills to graduates and working professionals through a set of comprehensive Geospatial education programs.

The institute will launch various short- and long-term programs that will be co-designed with senior faculty members from IEST and

domain experts from Esri India. These programs will focus on foundational Geoinformatics and its applications in various government programs like Smart Cities, Digital India, Clean Ganga etc. As per the report by the National Task Force on Geospatial Education (under the Ministry of Human Resource Development of the Government of India), India has less than 31,000 GIS tech professionals against a requirement of 70,000. There are very few institutions in the country providing geospatial education, resulting in a serious shortfall in the availability of trained GIS professionals.

collaboration, Agendra Kumar, President, Esri India said, "Esri India acknowledges the urgent need for geospatial skills in India which are critical for country's transformation and, together with the educational institutions, aims to impart geospatial education to help industry overcome the talent deficit in GIS." "We achieved an important milestone today with this collaboration with Esri India, in today's technology-driven environment we cannot

afford to leave the added advantage of understanding 'Location Intelligence' that will make our students career ready for GIS opportunities" said Padma Shri Prof. Ajoy Kumar Ray, Director, IEST, Shibpur. "GIS goes beyond what users know of maps. It brings out the importance and value of the location in every business scenario. Students would be able to understand the multi-disciplinary nature of GIS and also its applications in various domains".

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CONTACT : PRASENJIT GUHA
8697191846



Other Initiative



- GACI stands for the GIS Academia Council of India, an initiative by Esri India to bring together academicians to improve and expand GIS education in India.
- Membership: The council includes academicians, researchers, educational institutions, and policymakers interested in GIS.
- REPORT TASK FORCE ON CURRICULUM TEMPLATE
- REPORT TASK FORCE ON TRAINING
- REPORT TASK FORCE ON INTERDISCIPLINARY COLLABORATION

GACI Report-2025



MMGEIS



- Mentors Geo-enabling Indian Scholars (MMGEIS), an online program
- It aims to inculcate geospatial thinking and develop a research-oriented mindset amongst students.
- The program will be **open to students from class 6 to undergraduate level**
- **It will be delivered in a completely virtual mode, with just 7 hours of learning to be completed over 5 months at their own pace and from the comfort of their home,**



Roundtable Discussion



ISRO Visit

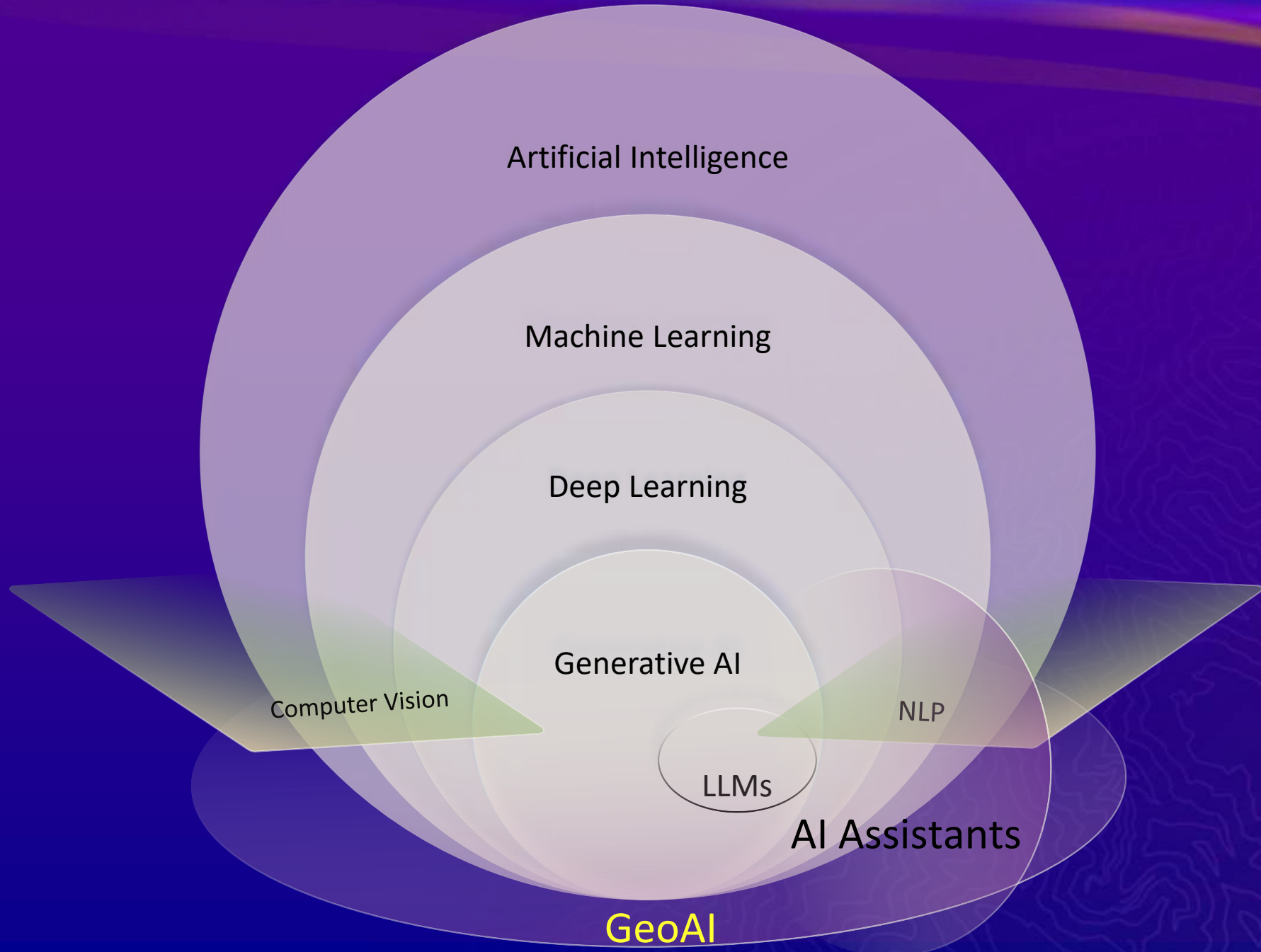


Press Coverage



GeoAI in ArcGIS

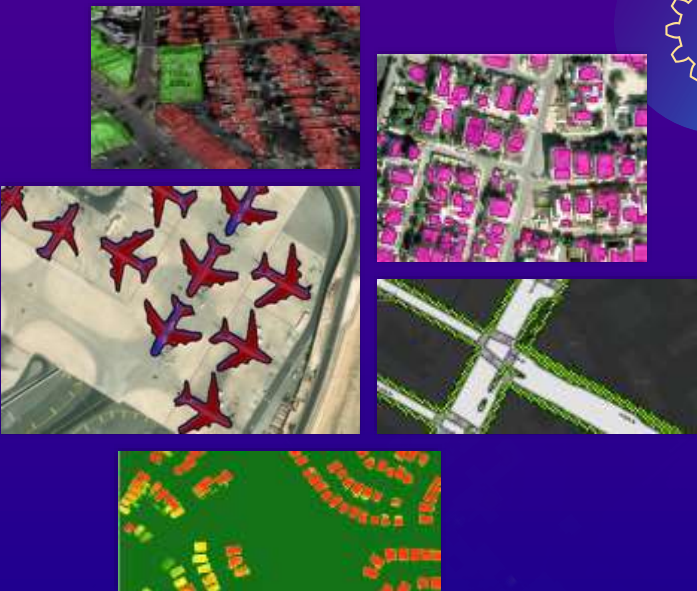
Opening New Frontier



ArcGIS Is Being Enhanced with AI

Integrating the Power of GIS and AI

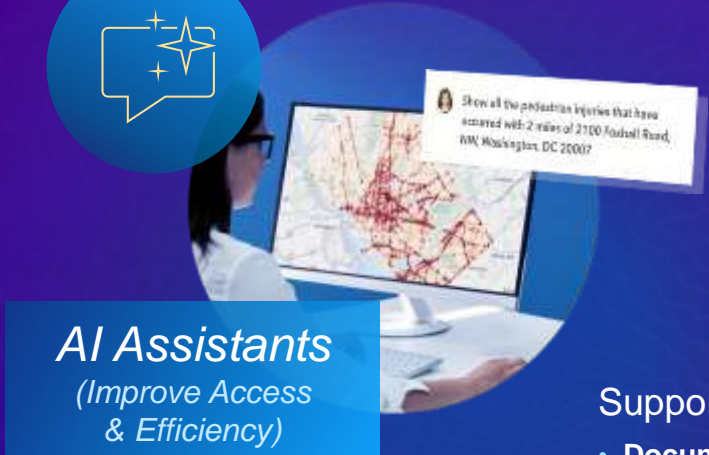
Advancing Science



GeoAI
(Tools & Models)

*100+ Models
... Open & Extendable*

Productivity



AI Assistants
(Improve Access & Efficiency)

Supporting

- Documentation
- Mapping & Analysis
- Code Generation
- Search
- App & Solution Creation
- Translation
- ...

Secure & Trustworthy



*Making ArcGIS easier ...
... and more intelligent*

Pretrained AI Models

Making AI approachable

Highlights

- 100 pretrained models
 - 20 new models
 - Segment Anything Model (SAM) – foundation model
 - Prithvi –remote sensing foundation models
 - Burn scars
 - Crop classification
 - Flood delineation
- 10 updated models



Solar Park Classification



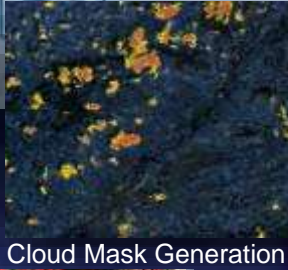
Elephant Detection



Wind Turbine Detection



Road Extraction (Global)



Building Footprints (Australia)

Cloud Mask Generation



Country Classification



Entity Extraction



Scene Text Parsing



Land Cover Classification

Thank YOU & Takeaways..

1. Most Comprehensive Education offering ever
 - a) *Software*
 - b) *Data*
 - c) *FDP*
 - d) *Student self-paced Course*
 - e) *MOOC*
 - f) *Adoption team*
 - g) *Career guidance*

