



Who's Todd Bacastow?

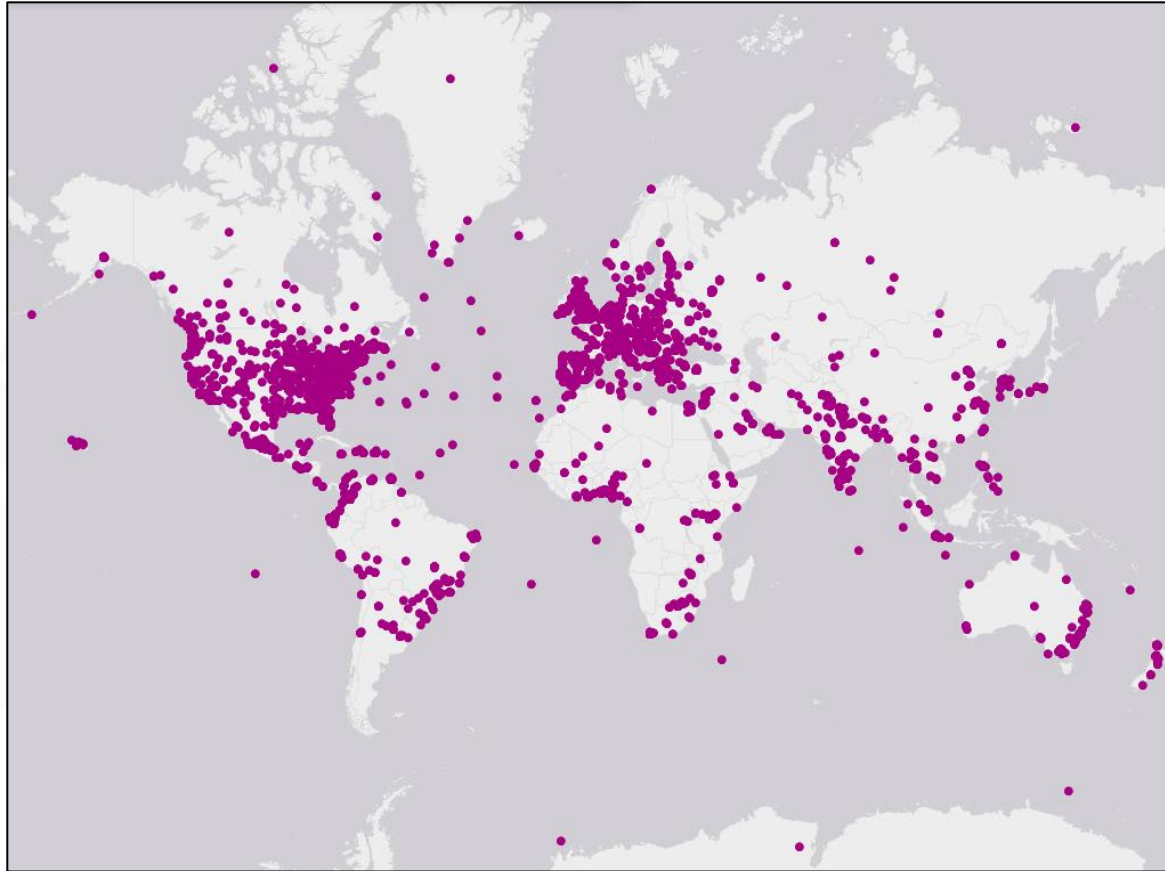
- **Taught at West Point ('81-'86, '91-'94)**
- **Teaches at Penn State (Since '94)**
- **Developed Penn State's online GEOINT program ('06)**
- **Taught 22,000 students from 181 countries enrolled in a Geospatial Intelligence MOOC ('14)**

Geospatial Intelligence Program

1st Year Seminar



Geospatial Intelligence MOOC



181 Countries



My self-study: what is 'capacity-building'?

- **United Nations Conference on Environment and Development, 1992**
 - **Focuses on the resources of a domain**
 - **The goals are to:**
 - **understand domain potentials, limits, and needs**
 - **address the crucial questions related to policy**
 - **enhanced ability to evaluate**

Geospatial Intelligence Program

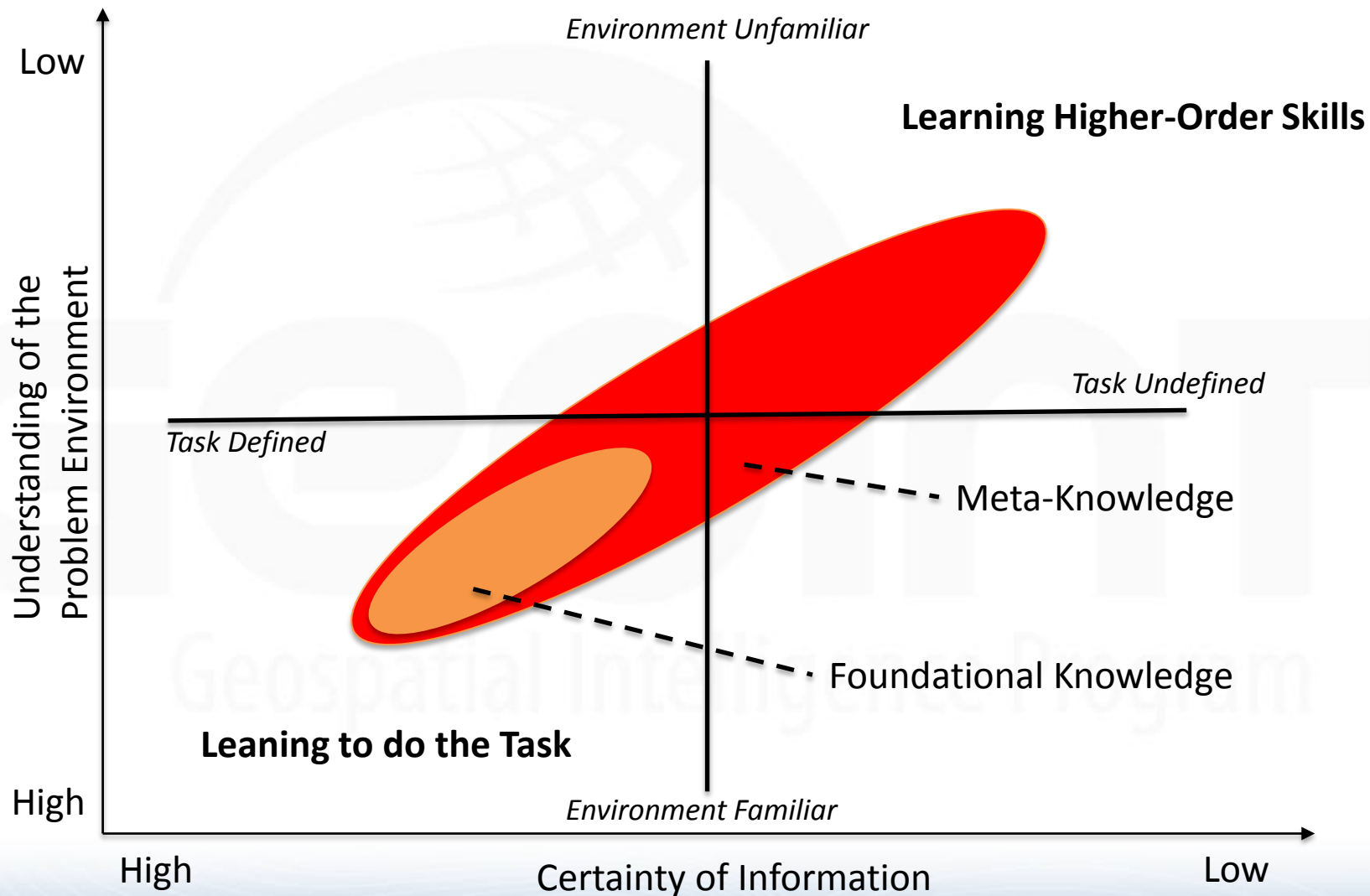


- **What is the domain we are addressing?**
 - CI, Geospatial Intelligence, location intelligence, or something else?
 - Is it a system of professions?
- **What is the problem being solved, how does one reason, what are the actions to be taken?**
- **What is the associated knowledge?**
 - Science
 - Technology
 - Organizational
 - “Tradecraft”

} Principles?
- **How do we prepare the analyst?**



“Learning” the Analyst





Extra Slides





Principles

GeoINT

Geospatial Intelligence Program



Principles?

- **It's about a decision advantage**
- **It's always about the human**
- **Reasoning is in both space and time; technology aids this reasoning**
- **All human behavior is constrained by the physical landscape and the individual's thoughts of how to use the landscape**
- **All data and models are imperfect; the analyst fills in the uncertainties**




MOOC



What Is a MOOC?

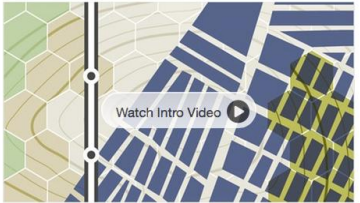
- **MOOC = Massive Open Online Course**
- **Free**
- **Academic**
- **Scales to thousands**
- **Limited instructor engagement**
- **Mix of text and video**
- **Worldwide**

Edit Course Description
Edit Session Descriptions ▾
Edit Session Materials ▾



Geospatial Intelligence & the Geospatial Revolution

Learn how the revolution in geospatial technology combined with the tradecraft of Geospatial Intelligence (GEOINT) have changed how we develop insights about how humans use geography, and discover the power of GEOINT.



About the Course

Join us for the exciting journey to learn about GEOINT's application in business, law enforcement, and defense. Advances in satellites, GPS, unmanned aerial systems, wireless communications, handheld computing, and the ability to automate laborious map analysis processes has transformed what used to be called geographic intelligence, or GEOINT, and the nature of the insights provided to managers and leaders. GEOINT is more than just analysts working with GIS in a secure intelligence facility. We have gone from mountains of hardcopy maps to amazing automated systems that provide previously unavailable understanding. GEOINT helps us daily with real-time apps to guide decision making. GEOINT combines geographic information science and technologies with an analytic tradecraft. In this course you will experience the value of GEOINT. You will learn how to design and execute a geospatial analysis project using GEOINT tools and tradecraft. The course is designed for the individual who wants to learn the basics of GEOINT and it is not designed for the geospatial intelligence professional. We're eager to welcome you to the Revolution.

Sessions


Future Sessions
▾

Add to Watchlist

Course at a Glance

- 🕒 6-9 hours/week
- 🌐 English

Instructors



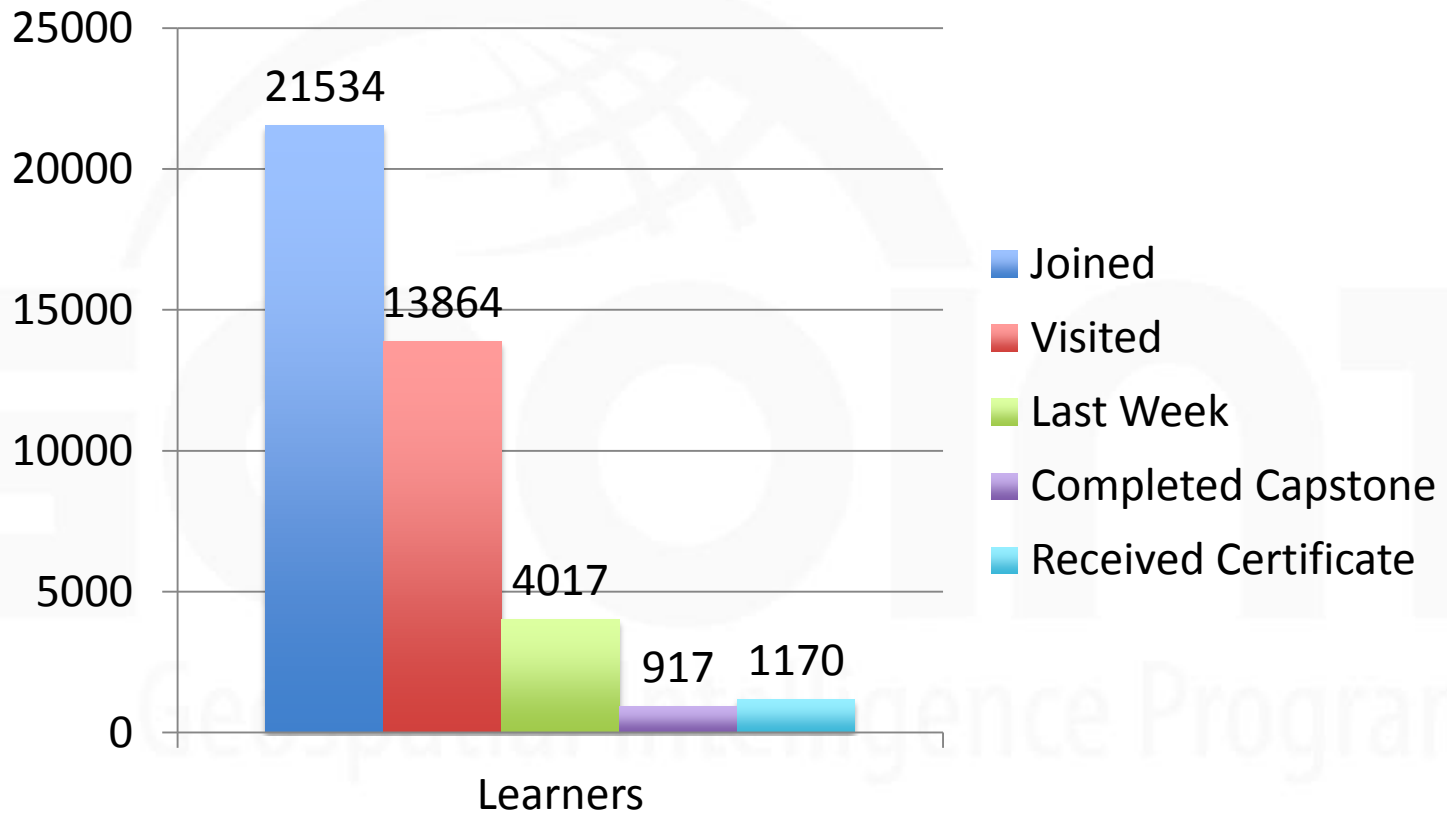
Dr. Todd S. Bacastow
The Pennsylvania State University



Special Thanks

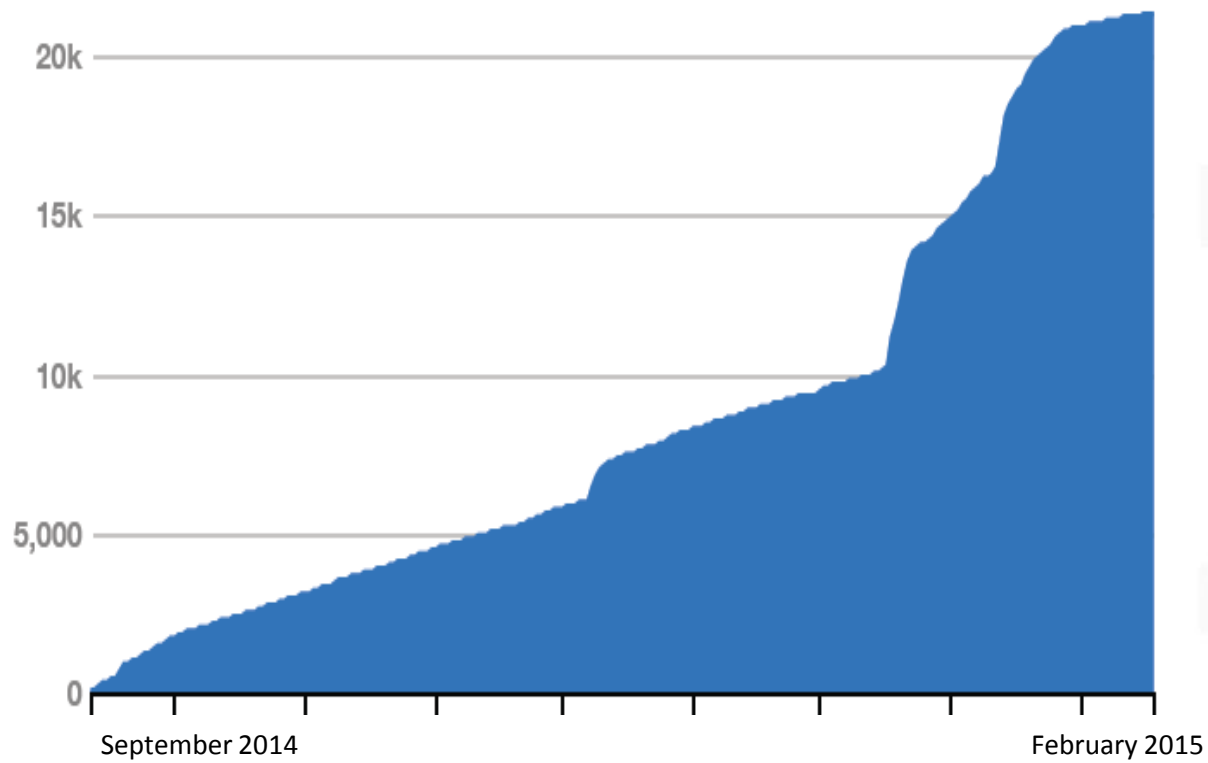
- Esri
- DigitalGlobe
- United States Geospatial Intelligence Foundation
- NGA

Learners

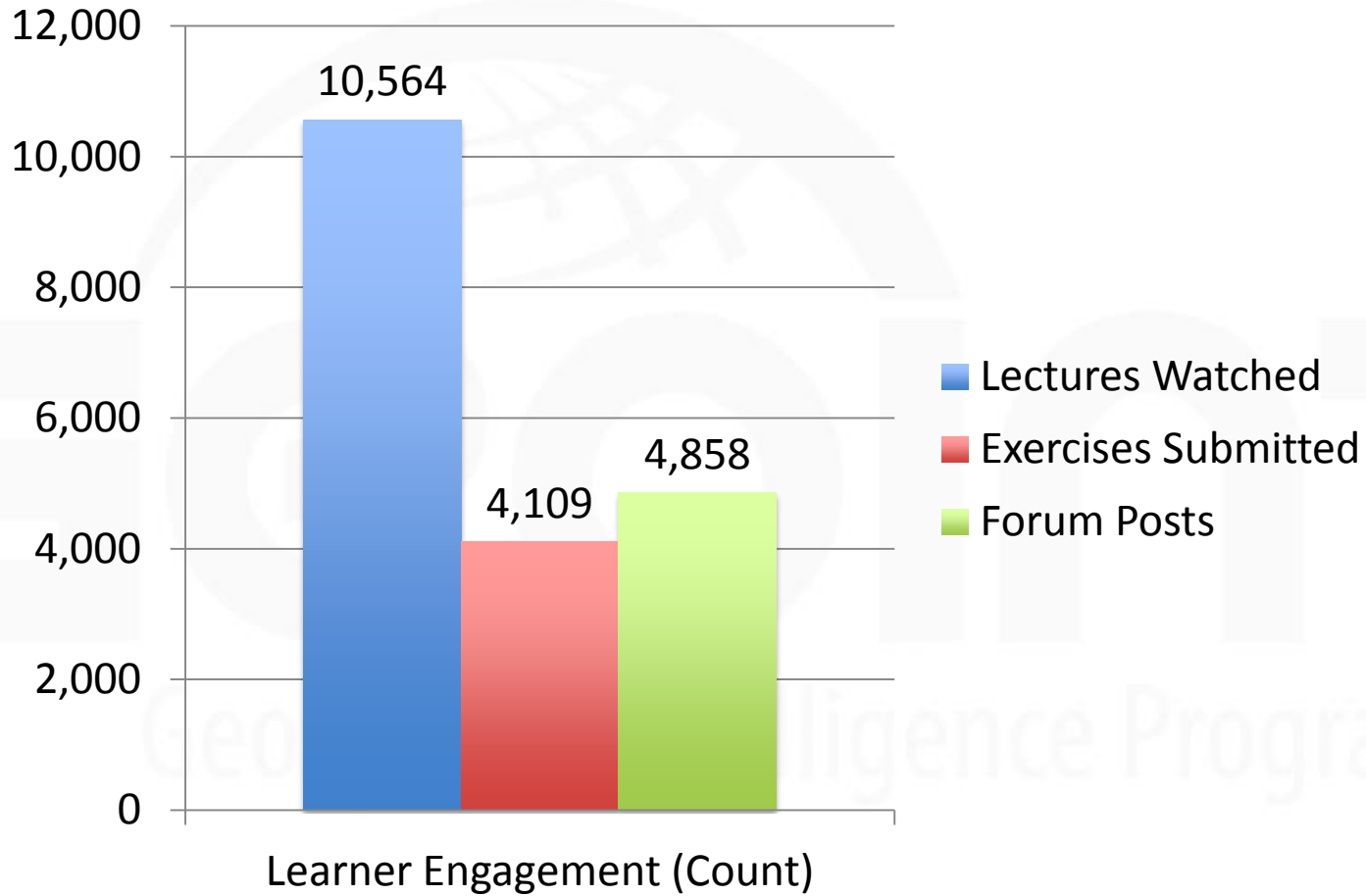


Enrollments

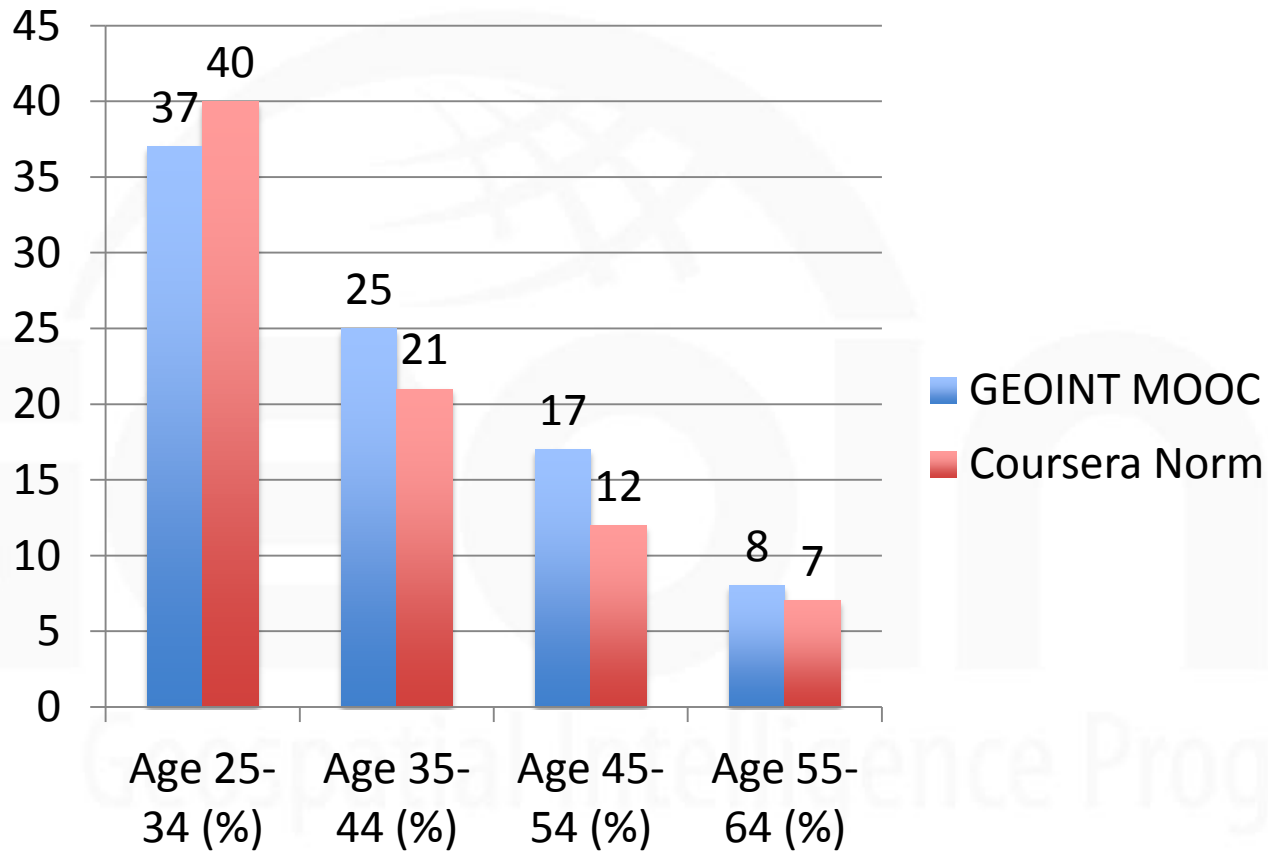
Cumulative enrollment over time



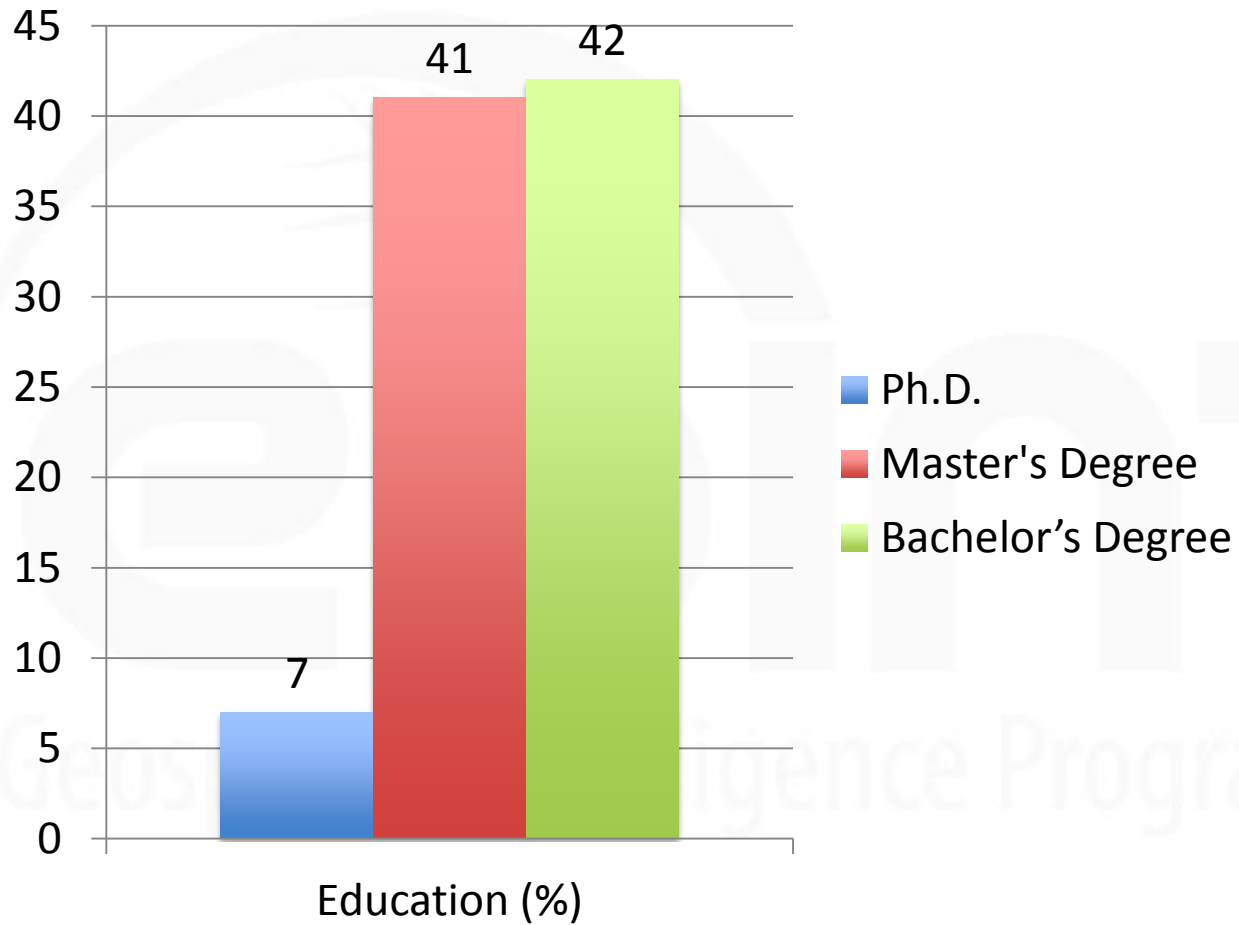
Learner Engagement



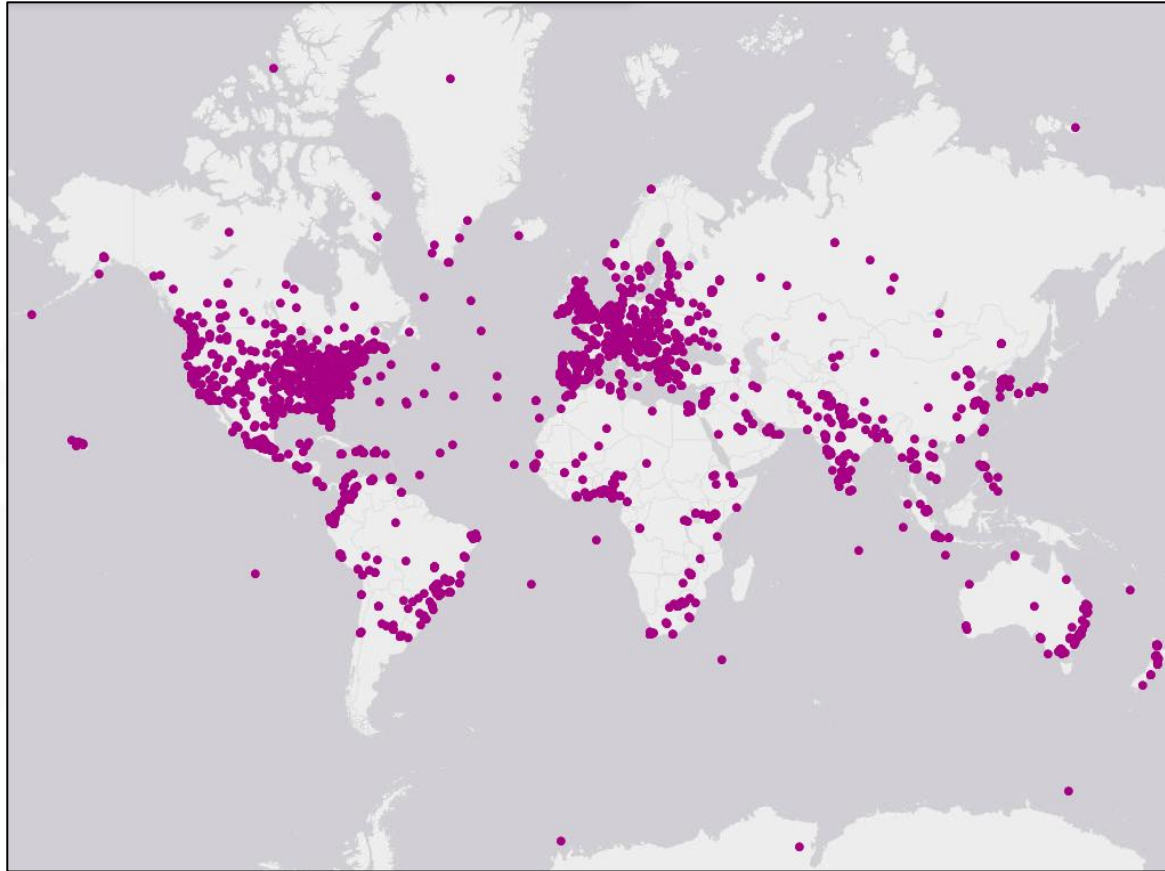
Age



Education

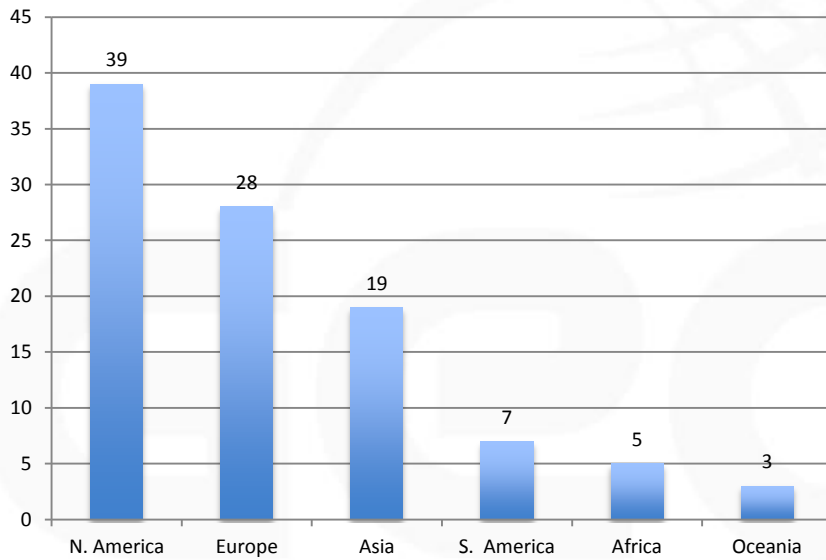


Self-Identified Learner Location

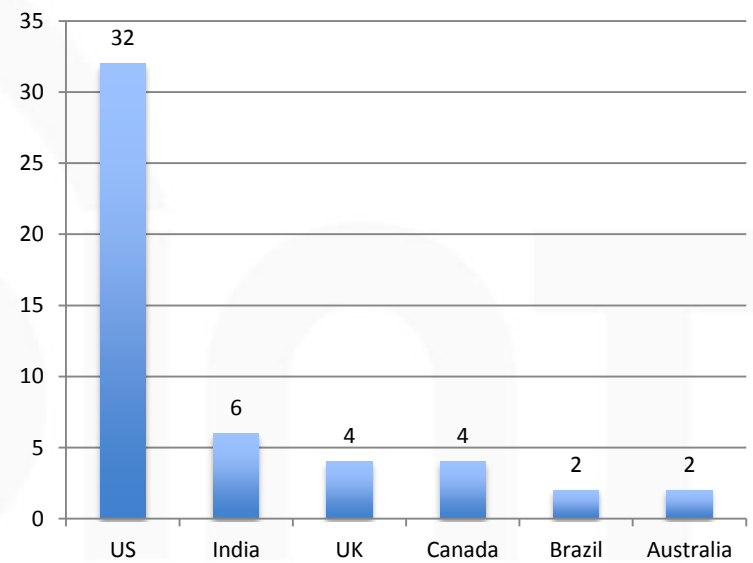


181 Countries

Continent (%)



Country (%)



Geospatial Intelligence Program

A large, faded version of the GeoINT logo is centered on the page. It features a stylized globe icon above the text "GeoINT" and "Geospatial Intelligence Program".

GEOINT

GeoINT

Geospatial Intelligence Program



A question I'm often asked:

“.... And I feel that geographers do geointelligence, that it isn't necessarily anything special, although it is done with 'computerized' geospatial tools rather than traditional geospatial tools. So - I'm still looking for this answer! What does make geoint 'GeoINT'?”

GEOINT's Characteristics

1. Uses the geographic sciences
2. Develops place and time domain knowledge through geospatial thinking and reasoning
3. Renders decision insights about the human impact of an event
4. Delivers a competitive advantage by applying the art of the intelligence discipline