The National Geospatial Advisory Committee (NGAC) urges the new Administration to commit to a strategic investment in geospatial programs and technologies to underpin and support the health, safety, and security of the Nation.

Geospatial data and tools enable countless programs to run more efficiently and effectively. They are a growing and increasingly vital part of everyone's daily lives.

The geospatial industry is growing explosively, enabling other technologies like mobile, the Internet of Things, unmanned aircraft systems, and autonomous vehicles.

ADDRESSING NATIONAL
PRIORITIES THROUGH

GEOSPATIAL
TECHNOLOGY

HERE'S WHAT YOU SHOULD KNOW ABOUT HOW THE NATION BENEFITS FROM GEOSPATIAL TECHNOLOGY

LEADING
CONNECTING
UNDERSTANDING

The geospatial industry is growing fast and creating new high paying jobs. The US Department of Labor has predicted that the geospatial technology sector will be one of the three technology areas that will create the most jobs in the coming decade.

For the time being, the US occupies the leading position in the geospatial sector. Federal government vision and leadership is needed to keep our competitive edge.

Geospatial data and technology enable policymakers and citizens to connect and simplify complex information for a better understanding of the world around them.
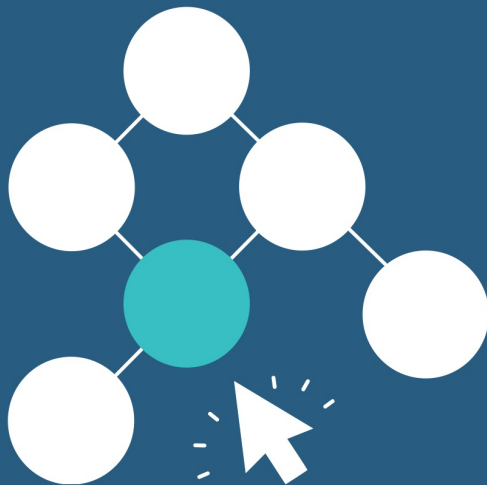
WHAT DOES GEOSPATIAL DO FOR THE NATION?

1

CREATES

HIGH TECH JOBS

The geospatial technology market is growing at an astonishing rate

The Department of Labor has predicted that the geospatial sector will be one of three technology areas that will create the most new jobs in the coming decade -- and that's not counting the impact geospatial has on other sectors!

2

SUPPORTS

NATIONAL PRIORITIES

Geospatial technology and data make government more efficient and effective

Multiple layers of spatial data enable policymakers to address critical issues and national priorities -- most of which rely on location. Examples include understanding patterns and causes of disease outbreaks and responding to floods and other disasters.

INFRASTRUCTURE

EMERGENCY RESPONSE

ENVIRONMENT
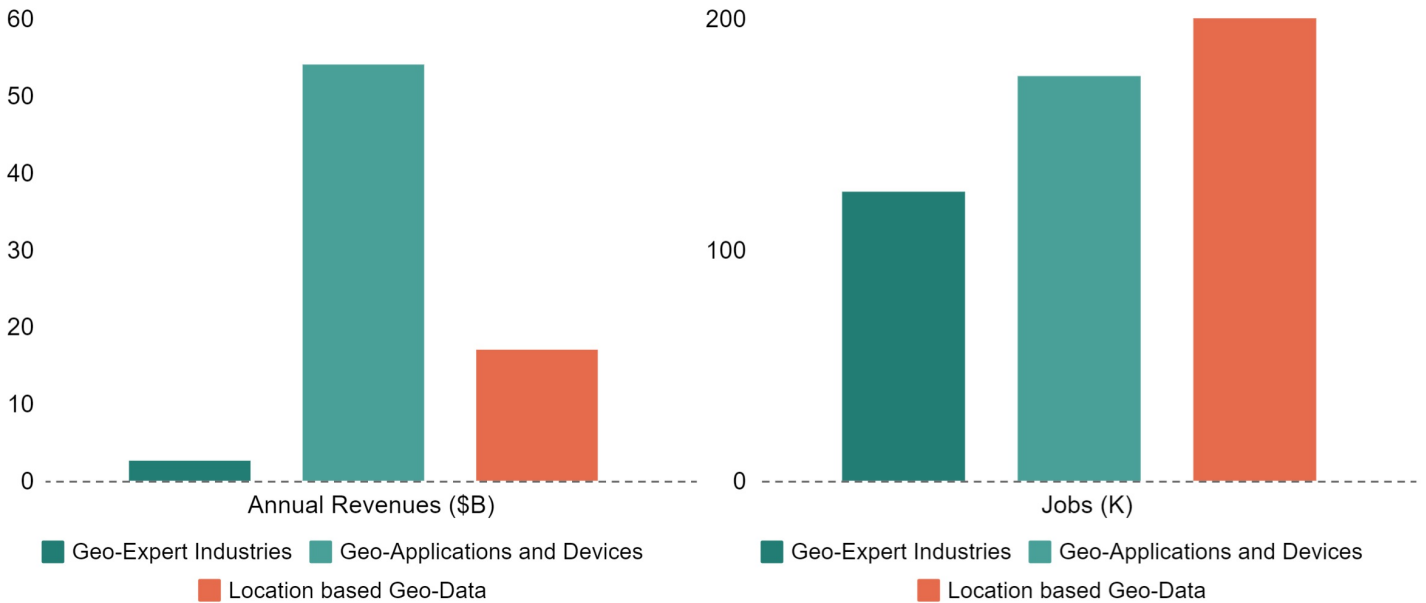
HEALTH CARE

3
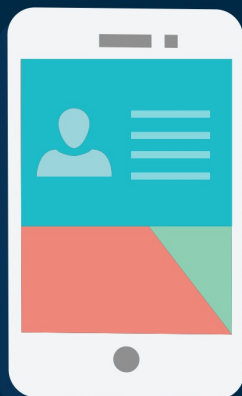
IMPROVES

CITIZEN SERVICES

Geospatial technology and data support enhanced delivery of efficient services

On large and small-formatted devices and mediums, citizens have come to expect that more information will be delivered to them on maps. Maps tell citizens where government is working for them and where it's not.
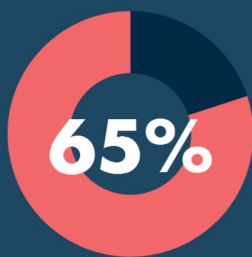
WHO WORKS IN THE GEOSPATIAL INDUSTRY?

According to the Boston Consulting Group, the geospatial services industry is now a $73B business, and it's growing rapidly. As of 2016, roughly 500,000 people are employed in the different segments of the geospatial industry.

Annual Revenues ($B)

- Geo-Expert Industries
- Geo-Applications and Devices
- Location based Geo-Data

Jobs (K)

- Geo-Expert Industries
- Geo-Applications and Devices
- Location based Geo-Data

Source: Boston Consulting Group, 2016

LOCATION

65%

The majority of records in the nation's open data catalog are geospatial
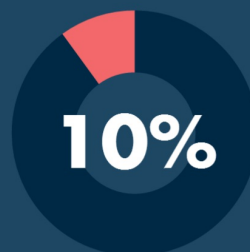
GROWTH

100%

The commercial geospatial market is growing at an astonishing 100% per year

JOBS

29%

Job growth in the highest paid classification of the geospatial industry by 2024

IMPACT

10%

The annual economic impact of geospatial on other sectors (e.g., marketing, logistics)

WHAT CAN YOU DO TO ADVANCE THE GEOSPATIAL AGENDA?

We know that you have a large and growing number of people asking you to support a number of great ideas.

But how many of those ideas have the potential to create new high paying jobs, sharpen our technology edge in a competitive international market and make government operations more effective?

BIG IDEA #1

Fund critical national datasets

Active leadership would enable rapid progress on key datasets including the National Address Database, the 3D Elevation Program, and a national imagery program, spurring private sector innovation.

BIG IDEA #2

Update the national geospatial policy framework

Updated national policies would better align federal geospatial investments and activities, ensuring that the information needed in the public sector is cultivated to produce the greatest return on investment.

BIG IDEA #3

Be a champion for expanding the National Geospatial Platform

Geoplatform.gov is the national registry for geospatial data and maps, and participation enables powerful collaboration to support better governing through transparent, accessible information.

BIG IDEA #4

Develop new geospatial data and technology partnerships

There are a huge number of partnership opportunities with states, tribal nations and the private sector. Building geospatial data is a team sport. Grants and other incentives help bring the best team to the field.

SUPPORT

LEADERSHIP AND INNOVATION

Support the coordination and leadership of geospatial activities. Actively support the Federal Geographic Data Committee (FGDC) and hold agencies accountable for full participation in achieving national geospatial priorities.

The FGDC works horizontally across agencies and with other partners to find and support cross cutting initiatives that leverage shared infrastructure and goals.
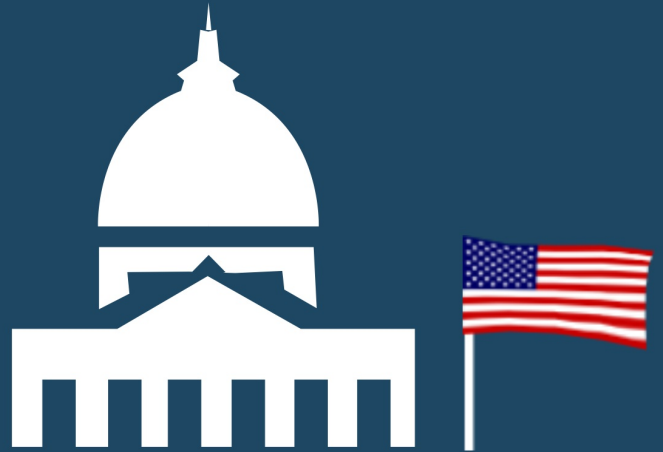
Credits:

These recommendations were developed by the National Geospatial Advisory Committee (NGAC). The NGAC was established in 2008 to provide advice on Federal and national geospatial programs.

🔗 fgdc.gov/ngac

🔗 fgdc.gov

🔗 geoplatform.gov

🔗 nsgic.org