



GE **GOV** SUMMIT

6-8 September 2023

Hyatt Regency Dulles Virginia, USA

**Attracting and Enabling the
Geospatial Workforce of the Future**

September 6, 2023

8:00 – 10:00 AM



Sid Pandey (Moderator)

- Senior Consultant, Deloitte
- Chair, URISA Vanguard Cabinet
- MSGIC Emerging Professionals Working Group

Deloitte.





Meet our Panel!

GE  **GOV**
SUMMIT

Ashley Littell Hitt

President, URISA (2022 – 2023)



The logo for VIRISA, featuring the word "VIRISA" in a stylized, white, sans-serif font with a registered trademark symbol (®) to the right. The letters are bold and have a slight shadow effect. The logo is set against a dark blue rectangular background.

VIRISA®

Fostering Excellence in GIS



URISA is a multi-disciplinary geospatial organization that provides professional education and training, a vibrant and connected community, advocacy for geospatial challenges and issues, and essential resources.

URISA fosters excellence in GIS and engages geospatial professionals throughout their careers.



Strategic Goals

- 1. Protect, promote and grow the geospatial profession.**
- 2. Support geospatial professionals at all stages of their careers with essential training and resources.**
- 3. Sustain and strengthen the organization.**





CENTER FOR URBAN
SCIENCE + PROGRESS

Dr. Debra Laefer

Professor, NYU Center for
Urban Science + Progress





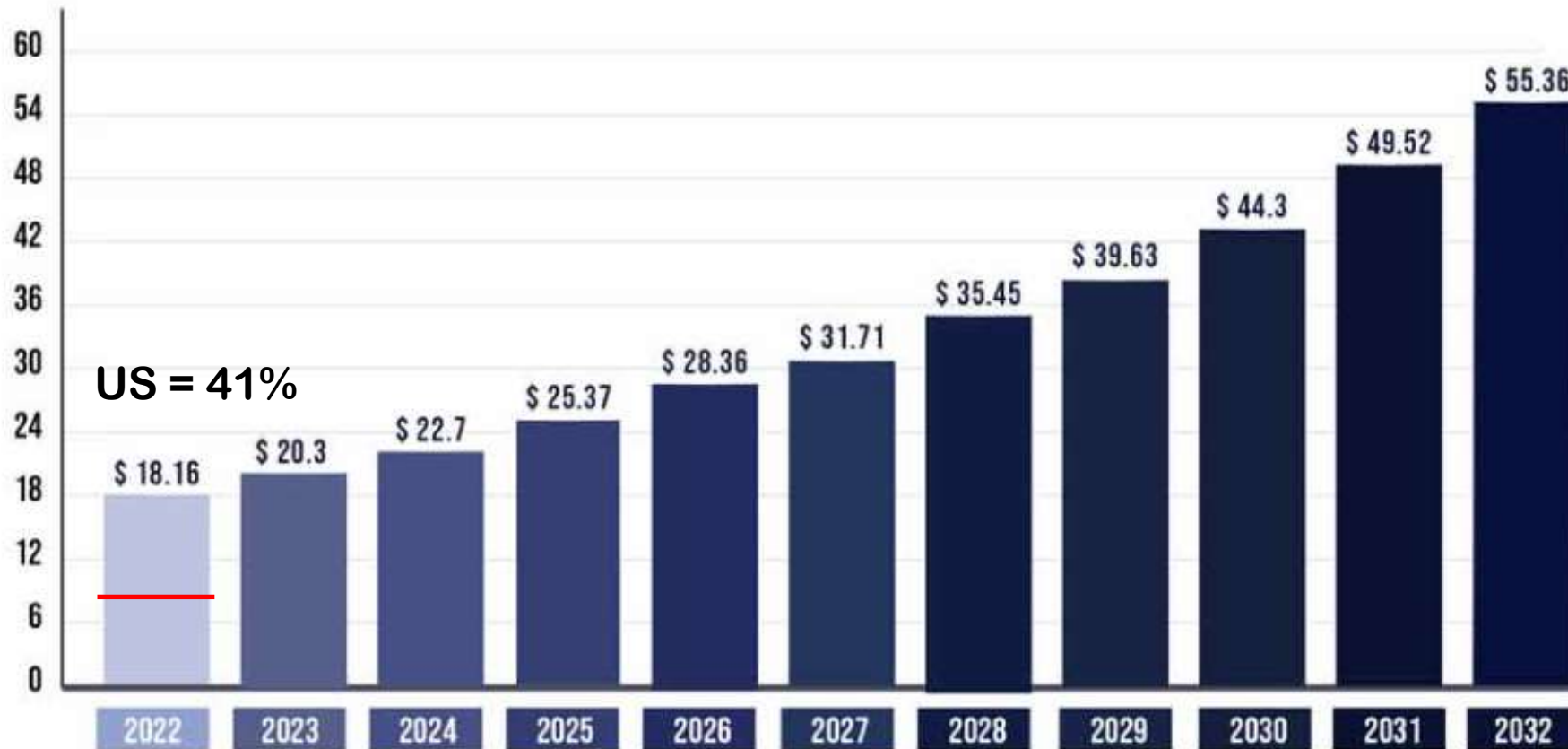
Remote Sensing and US Workforce Needs 50 Years of Losing Ground

Prof. Debra F. Laefer

Dept. of Civil & Urban Eng. & Center for Urban Science + Progress



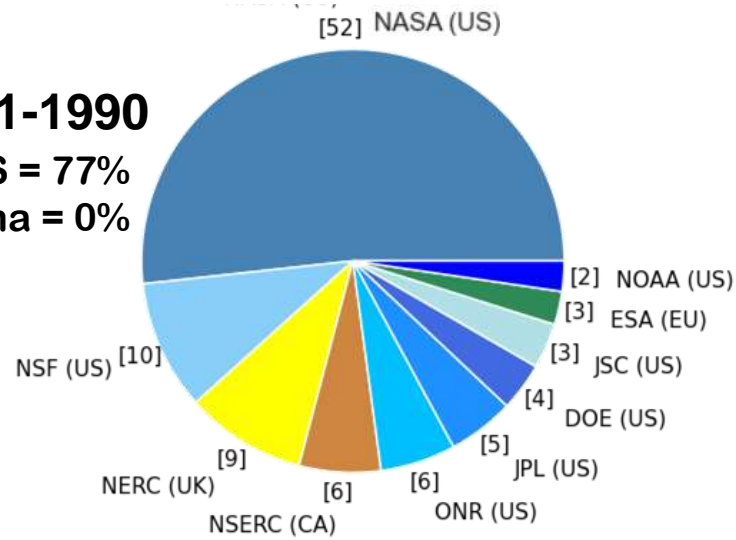
REMOTE SENSING TECHNOLOGY MARKET SIZE, 2023 TO 2032 (USD BILLION)



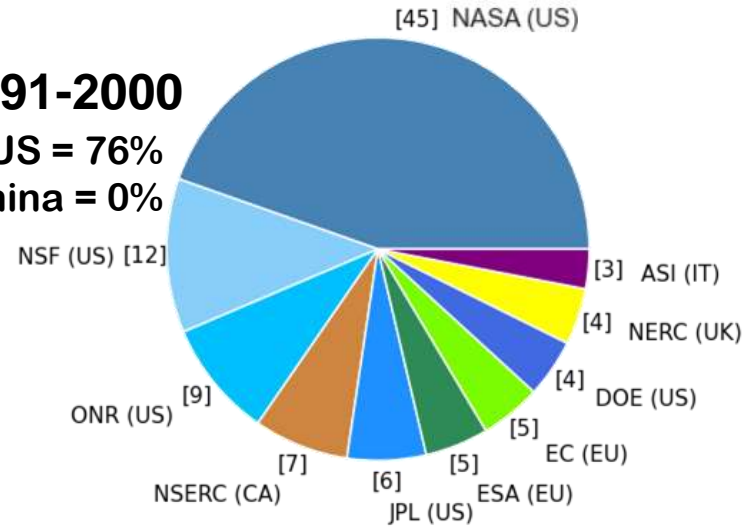




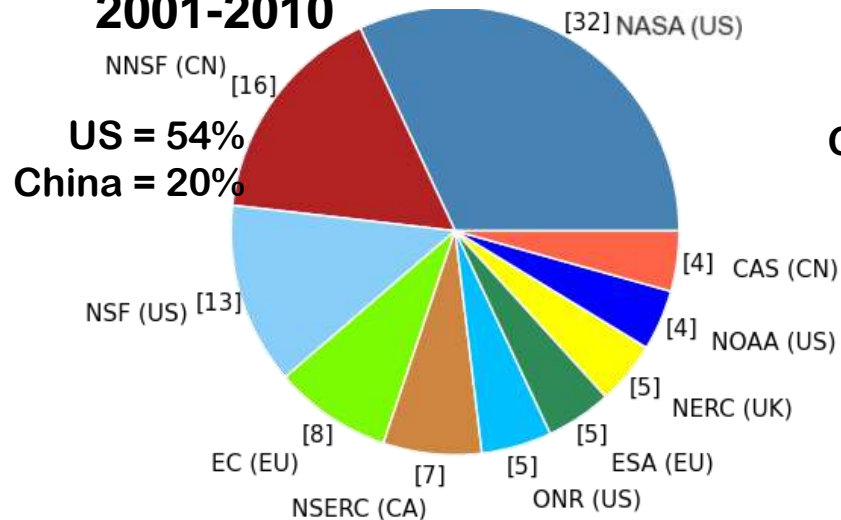
1981-1990
US = 77%
China = 0%



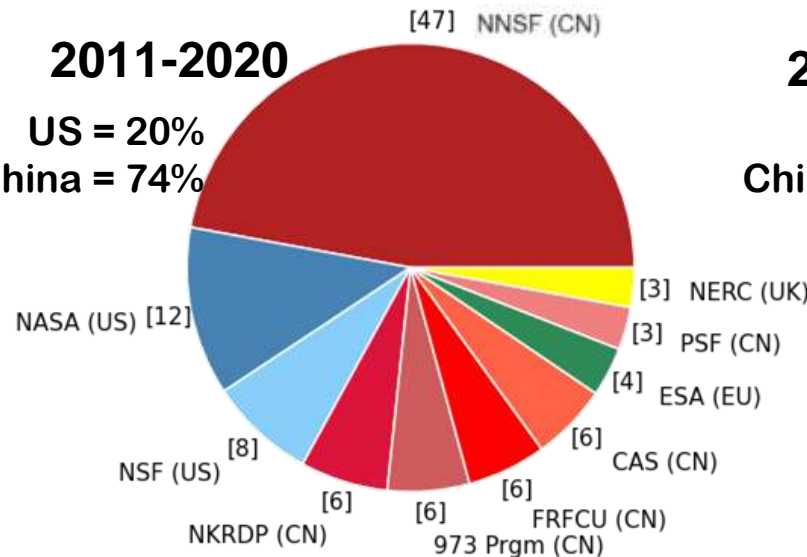
1991-2000
US = 76%
China = 0%



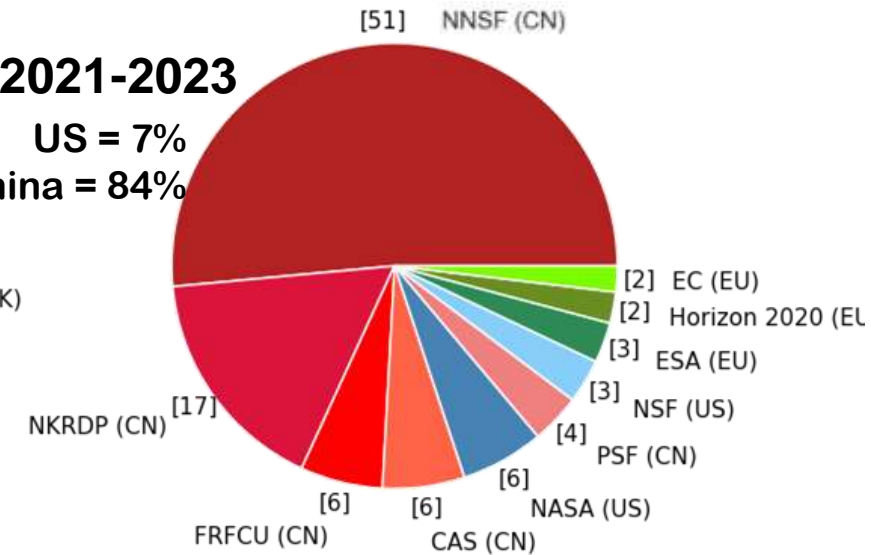
2001-2010
US = 54%
China = 20%



2011-2020
US = 20%
China = 74%



2021-2023
US = 7%
China = 84%



Thank you

Debra.Laefer@nyu.edu

Kendrick Faison

President/CEO, Spatial GIS



ENABLING THE GEOSPATIAL WORKFORCE OF THE FUTURE



Presented by: Kendrick Faison, Chief Executive Officer



The Spatial Way™

Kendrick O. Faison, MSGci. President/CEO



- Graduate of Fayetteville State University (HBCU)- BA. History and B.A. Geography and Murray State University- M.S. Gsci
- Former National Geospatial Lead at FEMA
- Former GIS Manager for the City of Laurel (MD) and Baltimore City Office of Emergency Management and National Geospatial Intelligence Agency
- Professor in Homeland Security at the University of Maryland Global Campus, and Geography at University of the District of Columbia, and Coppin State University
- Board Member; Fayetteville State University Board of Visitors and Neurodiversity Works.

Other emerging technologies

- Virtual and Augmented reality



- Drones



- Machine Learning/Artificial Intelligence



- Gamification/Cloud Services/Graph Databases/Quantum Computing



Company's Staffing Skills



Dev Ops
DBA
GIS Analyst
Business Analyst
Supply Chain
Data Engineer
Data Scientists
Infrastructure Analyst
Data Security
System integration
Specialist
Scrum Master
Cloud Architect
Salesforce Specialist
AWS Cloud Architect

Project Manager
Business Intelligence
Drone Pilot
Emergency Manager
Student Interns
Veterans
Cleared Personnel
Data Engineers
Application Developers
SAP Systems Managers
Risk Management
GIS Engineers
Cyber
Data Management
Enterprise Architect

Phil Thiel

Executive Vice President,
Dewberry



Dewberry®



Workforce of the Future

PHIL THIEL
EXECUTIVE VICE PRESIDENT
PTHIEL@DEWBERRY.COM

EXPERIENCE

6 YEARS ACADEMIA

7 YEARS STATE GOVERNMENT

30 YEARS PRIVATE SECTOR

- **NATIONAL GEOSPATIAL ADVISORY COMMITTEE (NGAC)**
- **ESRI BUSINESS PARTNER COUNCIL**
- **AMERICAN COUNCIL OF ENGINEERING COMPANIES (ACEC)**
- **NATIONAL STATES GEOGRAPHIC INFORMATION COUNCIL (NSGIC)**
- **NATIONAL ALLIANCE FOR PUBLIC SAFETY GIS FOUNDATION (NAPSG)**
- **MANAGEMENT ASSOCIATION FOR PRIVATE PHOTOGRAMMETRIC SURVEYORS (MAPPS)**



Dewberry[®]

Dr. Talbot Brooks

- Director, Delta State University
Center for Interdisciplinary
Geospatial Information
Technologies





Open Discussion

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