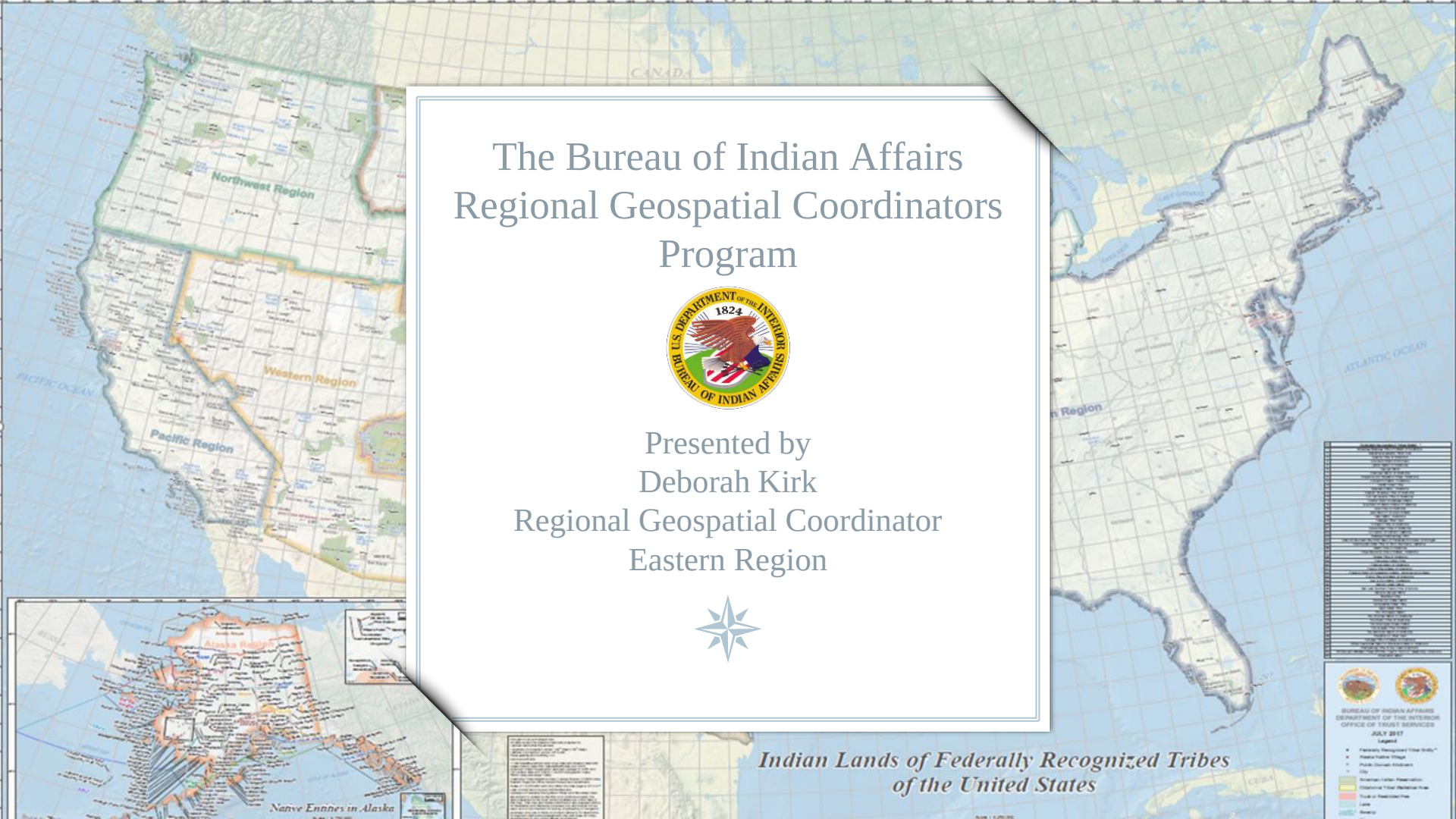
The Bureau of Indian Affairs Regional Geospatial Coordinators Program

Presented by
Deborah Kirk
Regional Geospatial Coordinator
Eastern Region



Osiyo! Mid-Atlantic Ocean Forum attendees

Deborah Kirk

Regional Geospatial Coordinator (RGC)

Eastern Region

Bureau of Indian Affairs, US Dept. of Interior

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Tribal relation:

I am a citizen of the Cherokee Nation

Education:

I earned my Bachelor's degree at Haskell Indian Nations University (GIS and Indigenous Historical Geographies, Natural Resources, and American Indian Studies), my Master's degree at University of Kansas (use and blending of terrestrial and airborne lidar for historical geography), and am currently ABD at West Virginia University (blending immersive and geospatial technologies in the form of a Deep Map).

GIS as a profession:

I've been using GIS at the academic level since 2008, however, my professional GIS career began in 2016 when I was hired into the position of GIS Specialist for the BIA, Eastern Oklahoma Region, Osage Agency (minerals extraction focus). I joined the BIA, Eastern Region as a RGC in 2020.

Today's presentation:

- Overview of the BIA's Division of Resource Integration Services (DRIS)
- Overview of the BIA's Branch of Geodata Examination and Validation (GDEV)
- Overview of the BIA's Branch of Geospatial Support (BOGS)
- Background on the creation of the Regional Geospatial Coordinator program within the BIA
- Regional Geospatial Coordinators – who are we and our responsibilities
- How RGCs support Tribal geospatial needs
- Overview of the National Geospatial Committee
- Introduction to BIA, Tribal Climate Resilience Program

Division of Resource Intergration Services (DRIS)

Division of Resource Integration Services - DRIS

- **Resource Integration** is the acquisition of internal and external resources to ensure operational functionality. It is crucial to an organization's effectiveness and resiliency.

- **DRIS Mission:** To enhance the use of geospatial information and data resources throughout the Bureau of Indian Affairs by modernizing data resources, communication, improving workflows, and fostering collaboration between programs.

DRIS Strategy

BIA Office of Trust Service – Division of Resource Integration Services

Understand

1. Mission *(How to define success)*

To facilitate the modernization of data resource communication and interface prompt collaboration amongst programs and improve workflows throughout the Bureau in support of mission objectives. Seeks to enhance collaboration and sharing of geospatial information and data resources among offices, programs, field offices and Tribes to promote a BIA-wide management approach to inform and enhance priority initiatives, natural resource management and efficient use of bureau resources.

Guiding Principles Accessibility

Strengthen | Transparency | Collaboration | Enablement | Time-Efficient |Communication

Goals and Outcomes

- Collect, maintain and share quality GIS data.
- Deliver efficient services and data to support the Mission.
- Establish and promote collaborative partnerships with other Agencies, Regions, and other DOI Bureaus.
- Establish best practices to guide data centralization, standardization, accessibility, and management – reduce duplication.
- Provide central, authoritative source for GIS data.

2. Value Proposition *(The value delivered to stakeholders)*

All - Improvement in the management of geospatial skills, data and technology is required to address local and landscape mission oriented strategic policy development and implementation.

Leadership – Improve communication to support data driven decision making, stability and encourage transparency and collaboration.

Teams - Improve self-service to conduct repeatable or ad-hoc analysis with a deeper level of insight and decision support.

Tribes - Enhance engagement, collaboration, awareness, and access to spatial data, resources and other authoritative content.

Plan

3. Strategy *(How to achieve success)*

Technology

Build capacity and stabilize the future of Enterprise systems.

Design and deploy repeatable, self-service geospatial solutions.

Provide a trusted, centralized source of Indian Country data.

Integrate advanced technology

Outcomes

Shared data and information services

Resources to enable data-driven solutions

Create centralized, authoritative Geospatial data sources

Process

Deploy services to share data with stakeholders.

Establish best practices and standards for data management.

Develop and integrate teams.

Outcomes

Efficient workflows and effective workflow activity management

Effective and timely data-driven decision making

Increased collaboration across all levels

People

Provide resources to develop opportunities for succession.

Building and maintaining relationships with stakeholders.

Facilitate active outreach, open communication, and collaboration.

Outcomes

Empowered stakeholders creating and maintaining data and services

A robust and technically proficient workforce

Improved Tribal and public engagement

Act

4. Roadmap *(Plan of action)*

❑ High Value ❑ Quick Wins

Establish the Foundation

- ❑ Branch Follow up
- ❑ ELA Licensing Support
- ❑ Premium Support

Build Capability

- ❑ Change Management Workshops & Technical Support
- ❑ BIA BOGS ArcGIS Enterprise Consulting Support
- ❑ Training

Extend Capability

- ❑ Land Area Representation Parcel Fabric Pilot Support
- ❑ General Consulting (Ad-Hoc Consulting)
- ❑ Training

Division of Resource Integration Services - DRIS

Contact:

Chid Murphy

Division Chief of DRIS

chid.murphy@bia.gov

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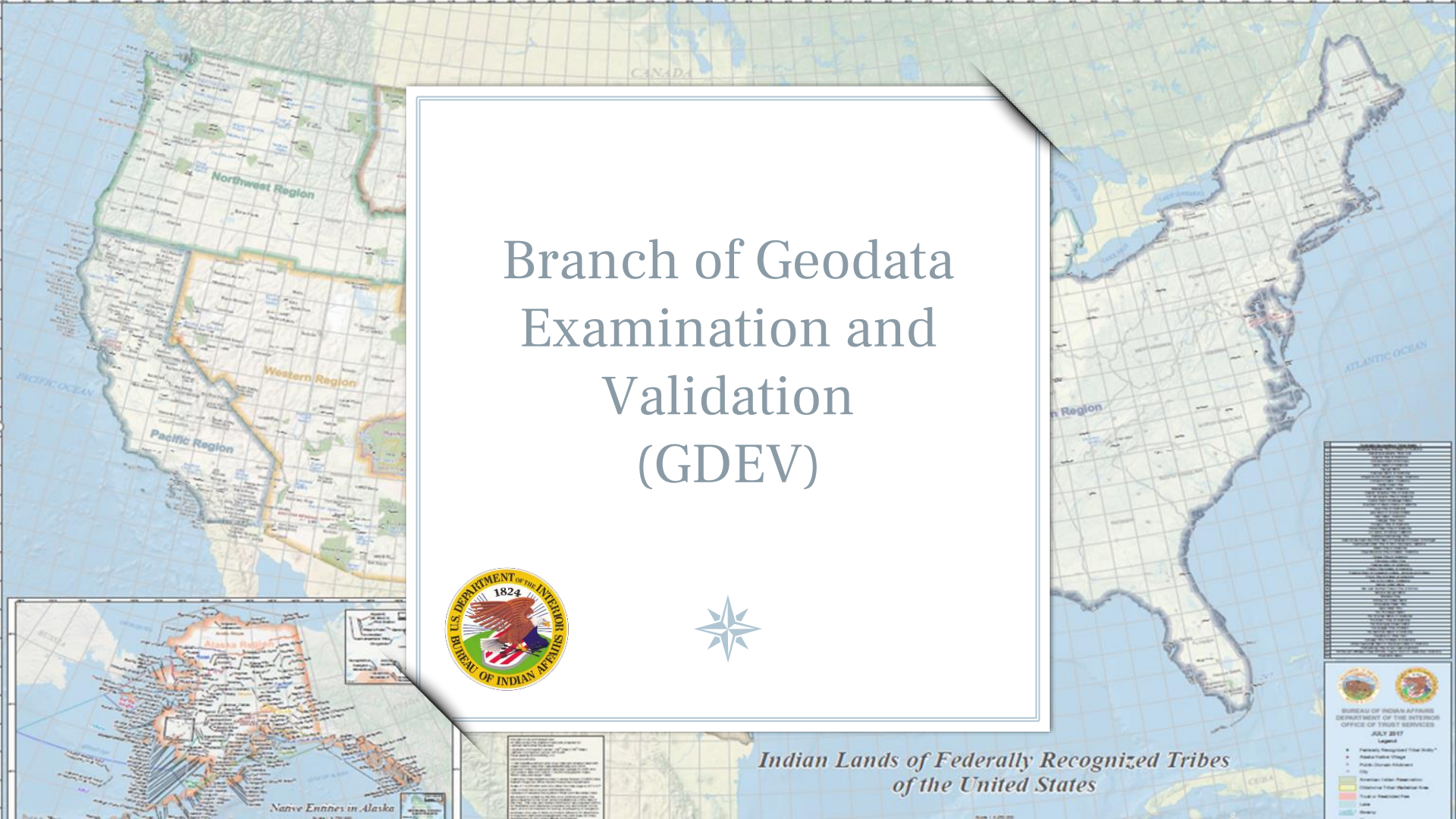
Branch of Geodata Examination and Validation (GDEV)



Branch of Geodata Examination and Validation (GDEV)

- To support the BIA Mission and objectives
- To facilitate collaboration between programs and improve workflows throughout Indian Country
- To enhance collaboration and sharing of geospatial information and data resources within the BIA
- To provide services to BIA divisions, Tribal governments, and local BIA agencies that use geographic information systems (GIS) and the internal Trust Asset and Accounting Management System (TAAMS) to fulfill their mission

BIA Office of Trust Services – Branch of Geo Data Examination & Validation

Understand

1. Mission *(How to define success)*

To facilitate the modernization of data resource communication and interface to prompt collaboration amongst programs and improve workflows throughout Indian Country in support of BIA Mission and objectives.

To support the sharing of geospatial information and data resources among offices, programs, field offices and Tribes to promote informed decision making.

Guiding Principles

Strengthen | Transparency | Collaboration | Accessibility | Enablement | Efficiency | Communication

Goals and Outcomes

- Create, collect, maintain and share quality GIS data.
- Efficient delivery of services and data.
- Establish and promote collaborative partnerships.
- Establish best practices, data centralization, standardization, accessibility, and management.
- Serve as an authoritative source for GIS data.

2. Value Proposition *(The value delivered to stakeholders)*

All - Provide geospatial skills, data and technology to address local and mission oriented strategic policy development and implementation.

Leadership – Improve communication to support data driven decision making, stability and encourage transparency and collaboration.

Teams - Improve self-service to conduct repeatable or ad-hoc analysis in support of informed decision making.

Tribes - Enhance engagement, collaboration, awareness, and access to spatial data, resources and other authoritative content.

Plan

3. Strategy *(How to achieve success)*

Technology

Build capacity to advance enterprise development.

Design and deploy dynamic, self-service based geospatial solutions.

Integrate advanced technology.

Outcomes

Shared data and information services.

Resources to enable data-driven solutions.

Create authoritative Geospatial data sources for Indian Country.

Process

Deploy services to share data with stakeholders.

Establish best practices and standards for data management.

Develop and integrate mission-oriented teams.

Outcomes

Efficient workflows and effective project management.

Timely data-driven decision making.

Increased collaboration across all levels.

People

Provide resources to develop opportunities for succession.

Building and maintaining relationships with stakeholders.

Facilitate active outreach, open communication, and collaboration.

Outcomes

A robust and technically proficient team.

Empowered stakeholders accessing data and services.

Improved services and public engagement.

Act

4. Roadmap *(Plan of action)*

Establish the Foundation

- ☐ LDEV Fee to Trust
- ☐ Trust TAAMS Parcel Tracts, ROW & Trust Land encumbrance requests
- ☐ Litigation Review
- ☐ Legislation Support
- ☐ Resource Reporting

Build Capability

- ☐ Mapping application requests from a survey, legal description, and or image.
- ☐ Geospatially record and administer dynamic updates.
- ☐ Build and enhance boundary data representation.
- ☐ Provide authoritative data sources for informed decision making.
- ☐ Streamline data reporting using dashboards and reliable data sources.

Extend Capability

- ☐ Land Area Representation
- ☐ Parcel Fabric Pilot Support
- ☐ General Consulting (Ad-Hoc Consulting)
- ☐ Training
- ☐ Staff Development

Geodata Examination and Validation Contacts

Chid Murphy — *Division Chief of DRIS*
chid.murphy@bia.gov

Trisha (TJ) Johnson — *Acting GDEV Branch Chief*
Senior GIS Specialist
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Trisha Cachelin — *GIS Specialist*
trisha.cachelin@bia.gov

Brandon Larrabee — *GIS Specialist*
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Marlon Dick — *GIS Specialist*
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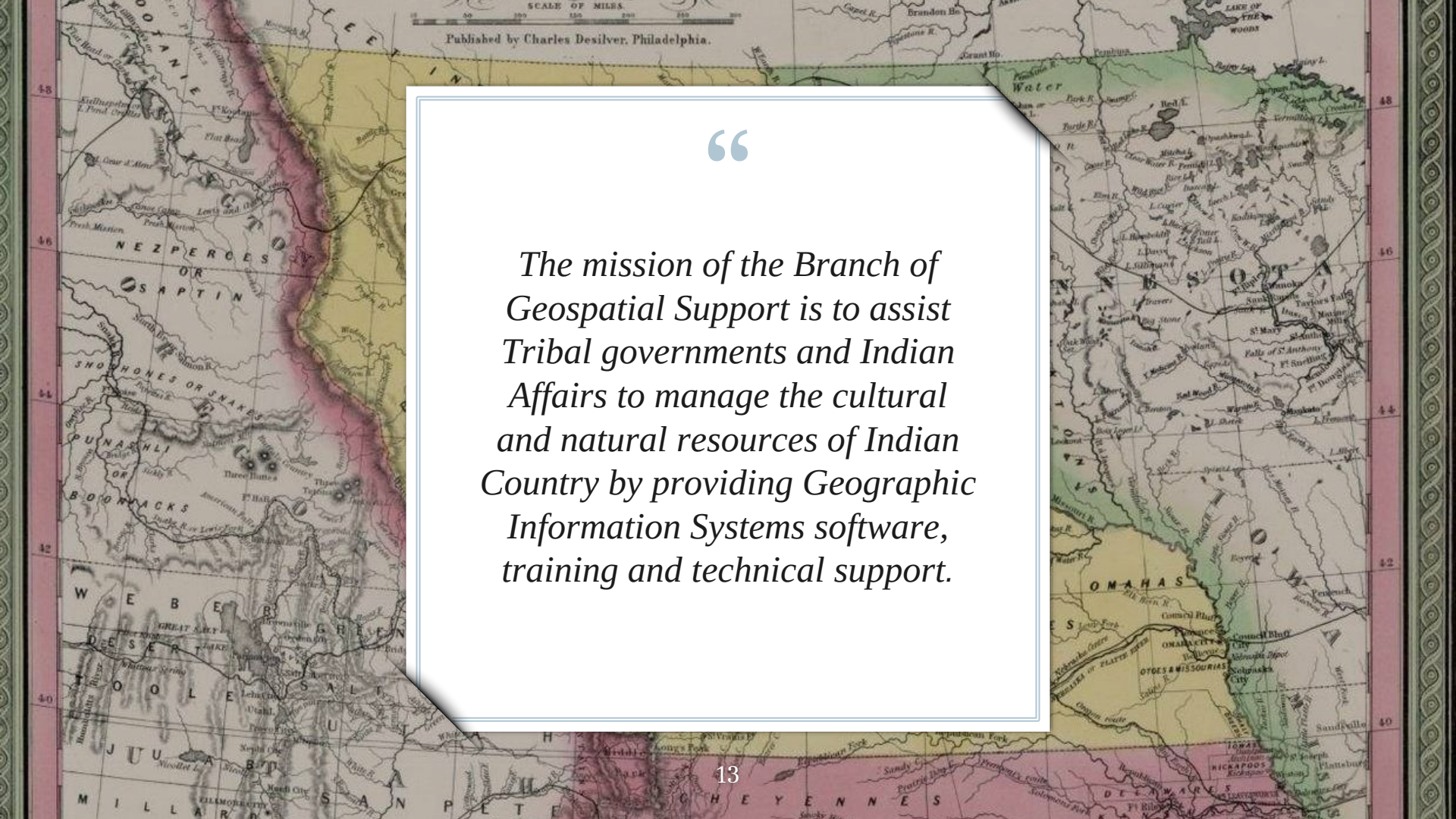
Branch of Geospatial Support (BOGS)



The mission of the Branch of Geospatial Support is to assist Tribal governments and Indian Affairs to manage the cultural and natural resources of Indian Country by providing Geographic Information Systems software, training and technical support.

BRANCH OF GEOSPATIAL SUPPORT

Branch Chief – David Vogt

- With BIA since January 2021, previously at US Census Bureau
- 12 years of GIS Experience

David Vogt
BOGS Branch Chief

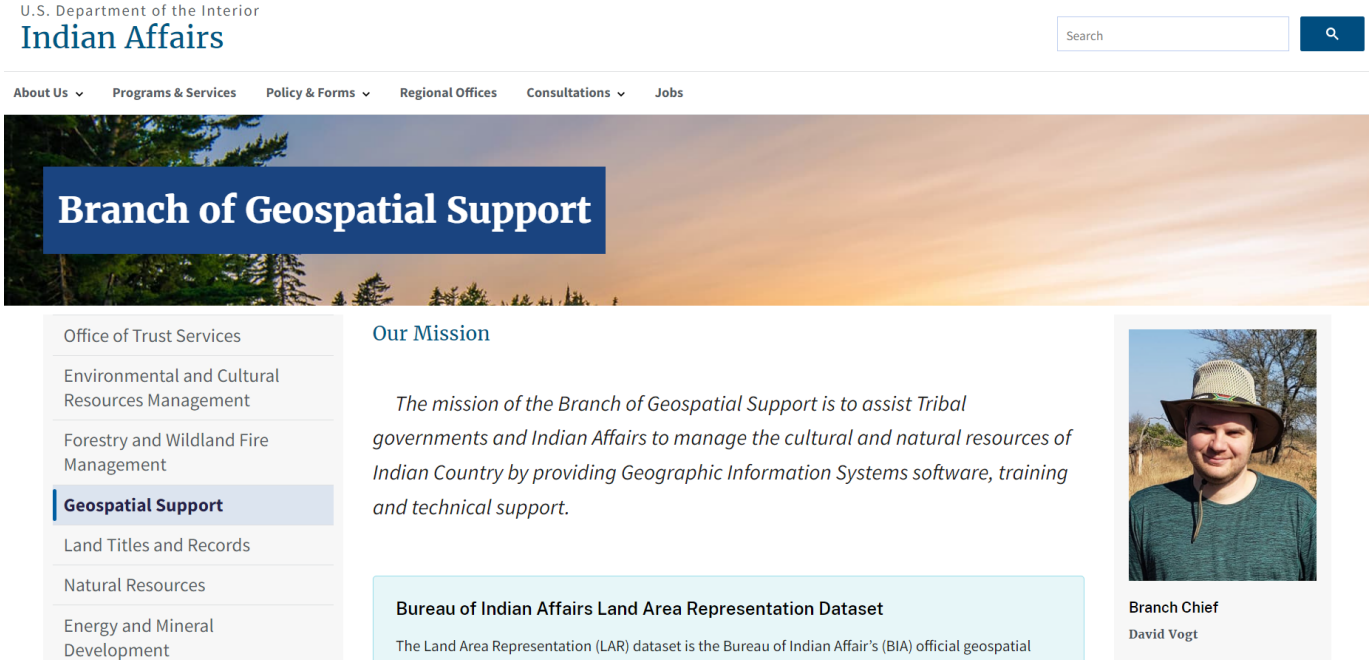
Staff includes:

- ELA Helpdesk Administrator- April Johnson
- Program Analysts - Sara Hedrick and Amy Heath Dashboard/Applications
- Enterprise Database Administrators (DBA)- James Halbert, Philip Brown, and Kevin Fox
- GIS Analyst- Tim Suto, Keisha Birdhat, Winters Redstar, Steve Mesa, and Mark Eagle

BRANCH OF GEOSPATIAL SUPPORT

Branch of Geospatial Support | Indian Affairs (bia.gov)

Help desk: geospatial@bia.gov 877-293-9494



BRANCH OF GEOSPATIAL SUPPORT

Branch of Geospatial Support | Indian Affairs (bia.gov)

Help desk: geospatial@bia.gov 877-293-9494

Services We Provide

- Geospatial Software
- Geospatial Training
- Geospatial Technical Assistance

More Resources

- Web Maps, Static Maps, and Downloadable Data
- History of the Branch of Geospatial Support

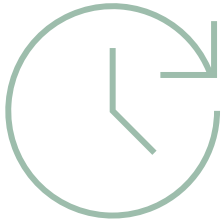
BRANCH OF GEOSPATIAL SUPPORT

Current State

- BIA Portal and BIA AGOL
- BOGS oversees ELA license for the BIA and Tribes
- Migrating our cloud servers to Amazon World Services (AWS)

Future Developments

- Regional Hubs in ArcGIS Online

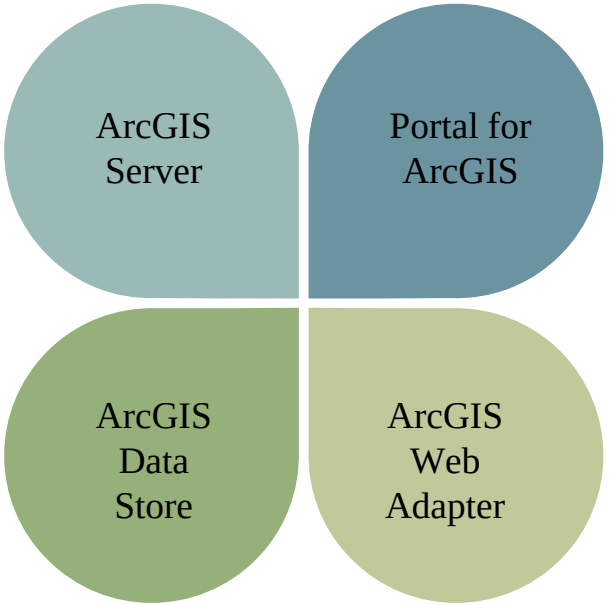


BRANCH OF GEOSPATIAL SUPPORT AND THE RGCs

- BOGS works side by side with the 12 Regional Coordinators and supports their geospatial needs as they work with the Agencies and Tribes.
- BOGS involves the RGCs in mapping projects and data calls that are specific to their region's needs.
- DRIS/BOGS assists in providing funding and training to the RGCs so they can utilize their GIS skills to assist Tribes in the best way possible.

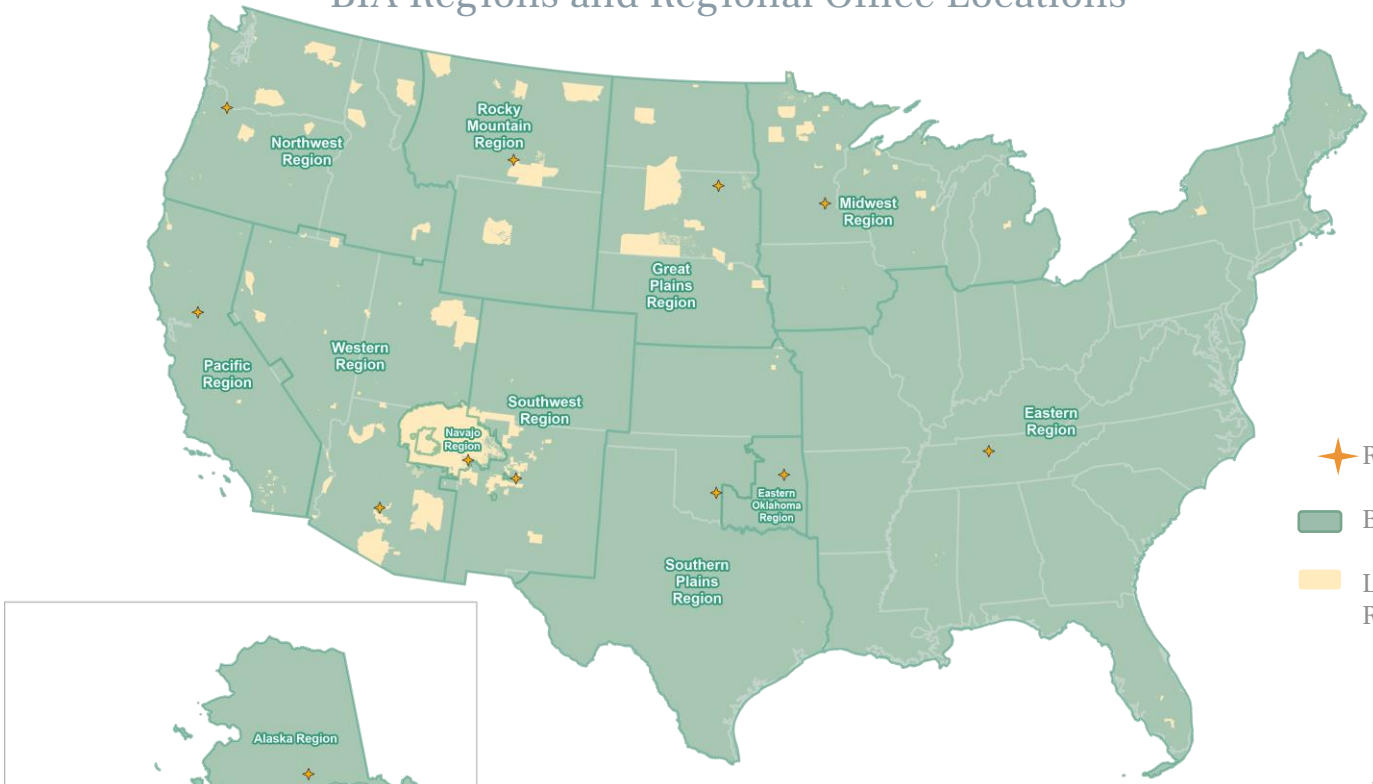
ArcGIS Enterprise

- ArcGIS Enterprise - ArcGIS Server, Portal for ArcGIS, ArcGIS Data Store and ArcGIS Web Adapter
- BOGS ELA Product list
- Apply for ArcGIS Enterprise licenses
- Portal creator licenses are available to Tribes. Please contact BOGS at geospatial@bia.gov to request creator licenses



Regional Geospatial Coordinators

BIA Regions and Regional Office Locations

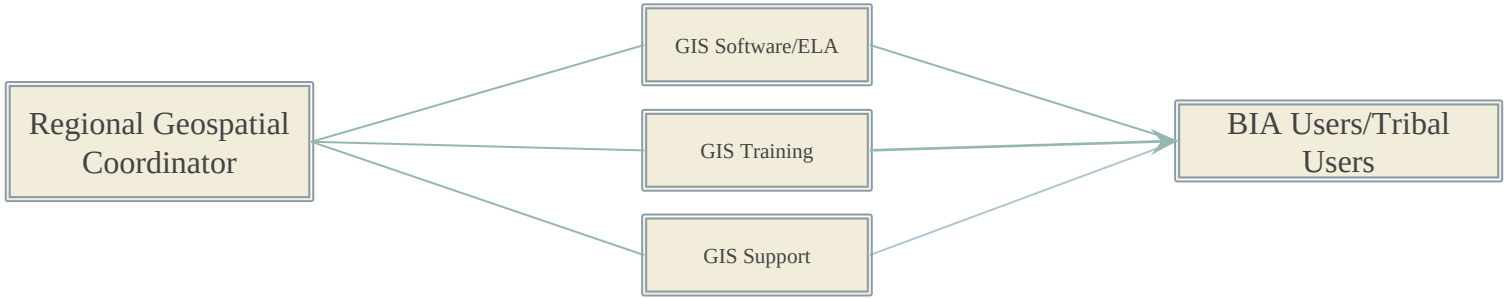


REGIONAL GEOSPATIAL COORDINATORS

Goal:

Provide regional level GIS support to Tribes and BIA Staff

REGIONAL GEOSPATIAL COORDINATOR



REGIONAL GEOSPATIAL COORDINATORS

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Alaska Region RGC
228 Federally Recognized Tribes
2 Agencies

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Eastern Oklahoma Region RGC
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6 Agencies

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3 Agencies

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Great Plains Region RGC
16 Federally Recognized Tribes
13 Agencies

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Midwest Region RGC
36 Federally Recognized Tribes
4 Agencies

Vacant

Navajo Region RGC
1 Federally Recognized Tribe
5 Agencies

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Northwest Region
45 Federally Recognized Tribes
14 Agencies

Vacant

Pacific Region
103 Federally Recognized Tribes
4 Agencies

Ken (KR) Bixby
kenneth.bixby@bia.gov

Rocky Mountain Region
9 Federally Recognized Tribes
7 Agencies

Miley Williams
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Southern Plains Region
24 Federally Recognized Tribes
4 Agencies

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Southwest Region
25 Federally Recognized Tribes
9 Agencies

Ronald Lodgepole
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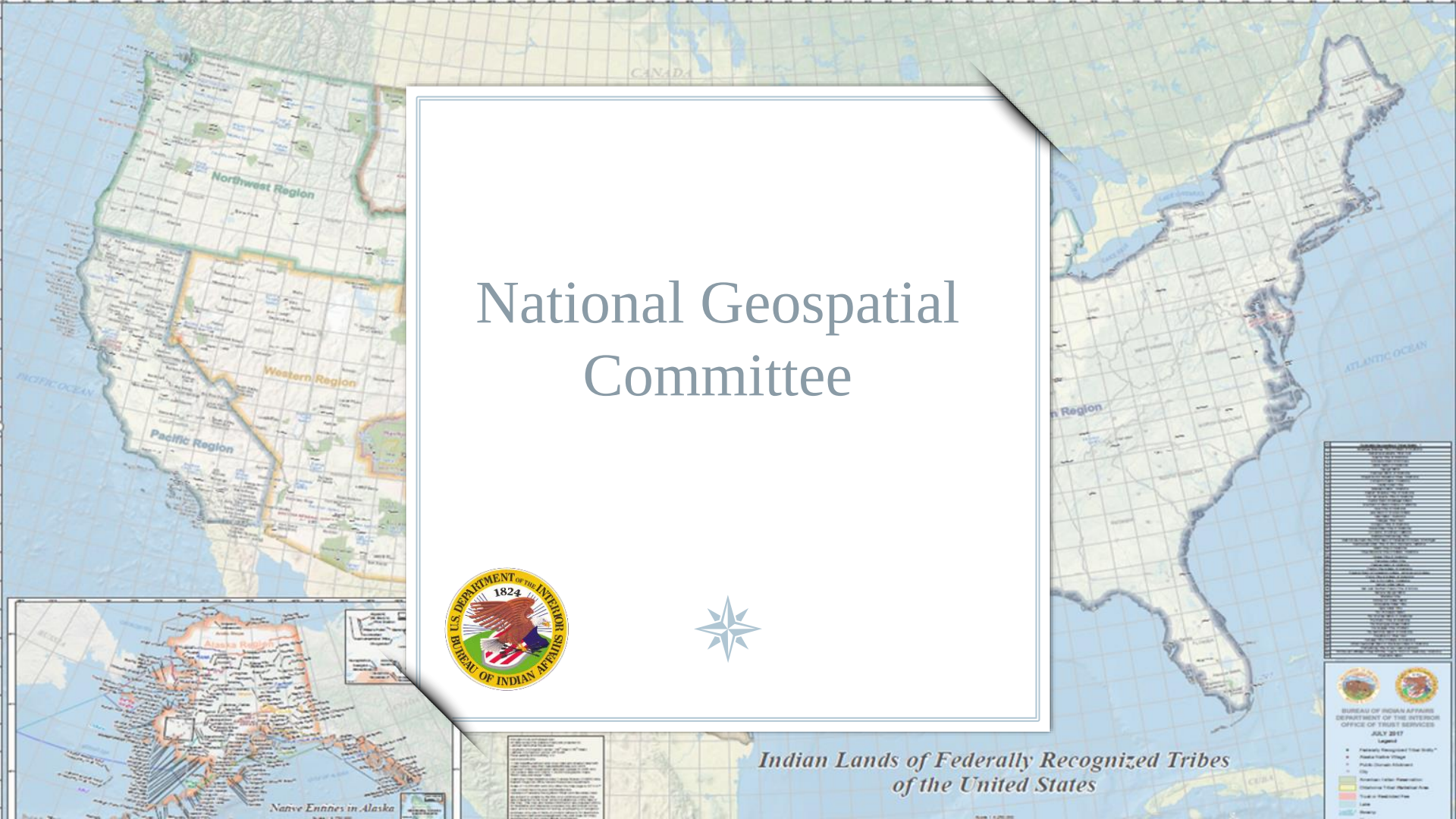
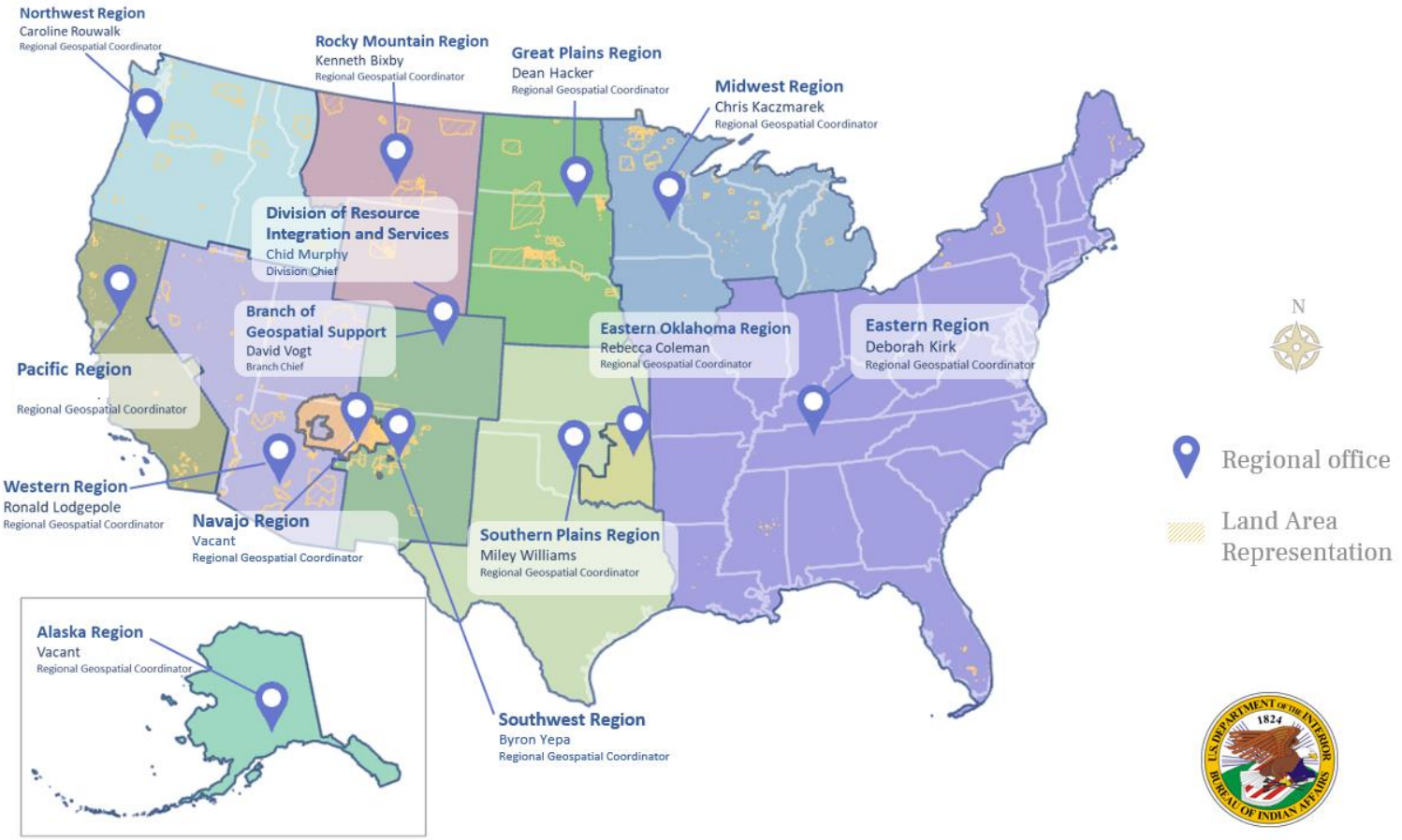
Western Region
42 Federally Recognized Tribes
13 Agencies

National Geospatial Committee



BIA National Geospatial Committee



Vision and Mission

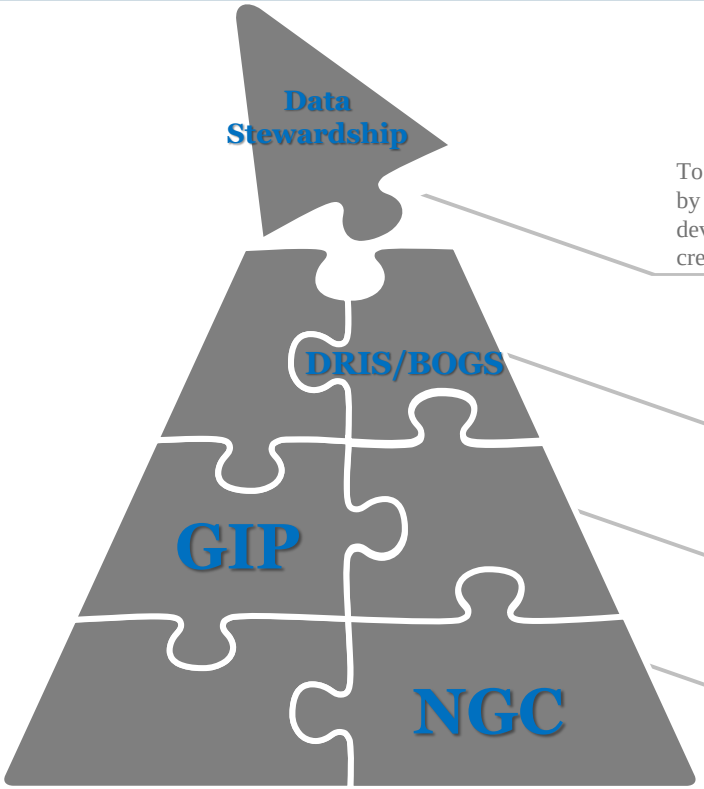
National Geospatial Committee

Vision

Mission

The NGC’s vision can be found in the Geospatial Integration Plan (GIP). The NGC's vision provides a foundation to build products, services, trainings, and workflows that enable users to deliver authoritative geospatial information in support of the NGC’s mission.

The NGC’s mission is to use the GIP to guide the strategic application of GIS technology and facilitate effective collaboration with stakeholders in support of the Bureau of Indian Affairs’ mission to fulfill trust obligations to Tribes.



Data Stewardship

To establish a National standard data stewardship, by coordinating with DRIS, BOGS, and NGC; to develop and maintain a system for proposing and creating BIA authoritative GIS data standards

DRIS and BOGS

The plan prepared by the DRIS with the collaboration of BOGS to establish field guidelines for field operations to ensure data governance is integrated into daily operations.

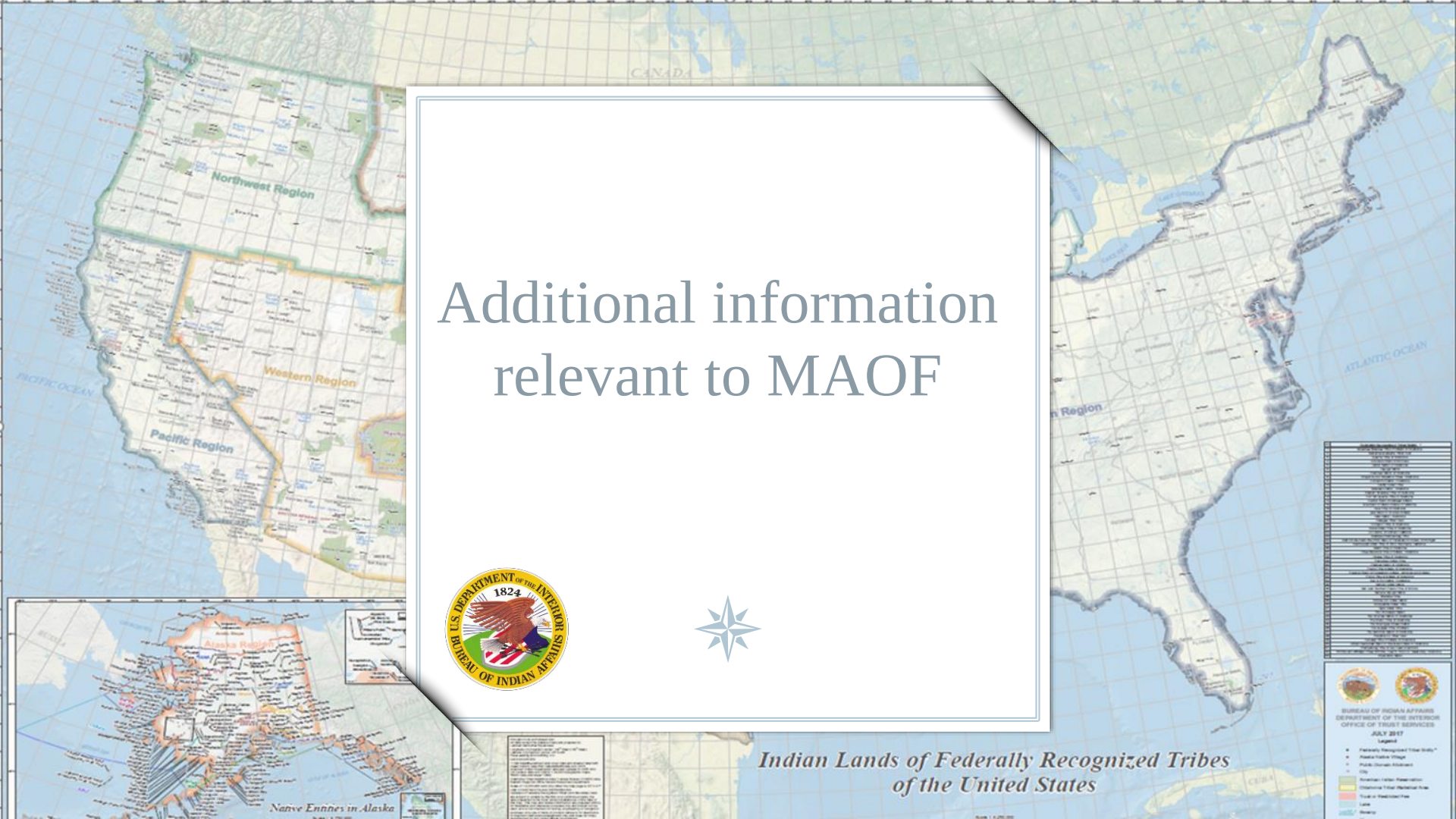
Geospatial Integration Plan

The plan prepared by the NGC in collaboration with and for field operations to ensure GIS is integrated into daily operations.

National Geospatial Committee

The BIA's first chartered committee established by the RGCs and BOGS to facilitate GIS management and data stewardship.

Additional information relevant to MAOF



BIA Branch of Tribal Climate Resilience (TCR)

Purpose: To enable climate preparedness and resilience in all Indian Affairs programs and for all Federally-recognized Tribal Nations and Alaska Native villages

Technical assistance

- Access to appropriate science
- Educational and training opportunities
- Regional network of liaisons
- Regional Tribal Climate Resilience Coordinators

Financial assistance

- Annual Awards Program
- Bipartisan Infrastructure Law (BIL) and Inflation Reduction Act (IRA) funding for relocation-related support

Tribal Climate Resilience Liaison Network

Tribal Liaisons

TCR WEBPAGE:
https://www.bia.gov/bia/ots/tcr

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Wado!

What questions do you have?

You can find me at Deborah.Kirk@bia.gov