DAVID E. BORGES, GISP, PMP

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SUMMARY

Business Lead with technical geospatial background, program management experience and international collaboration skills. Extensive work experience in the United States at the federal, state and local levels as well as global engagement with partners and stakeholders at scientific and strategic planning levels.

EXPERIENCE

Physical Scientist, NASA Langley Research Center, Virginia   **May 2020 – Present**

- *Committee on Earth Observation Satellites (CEOS) Systems Engineering Office (SEO) Deputy Director*

- *NASA Applied Sciences Disasters Program Associate Program Manager*

- *NASA Langley Research Center Disasters Applications Coordinator*

- *Group on Earth Observations (GEO) Disaster Risk Reduction Working Group Chair*

- *US GEO International Activities Working Group (IAWG), NASA Representative*

- *United Nations Expert Committee on Global Geospatial Information Management (UN-GGIM) US Delegate*

- *United Nations Office for Disaster Risk Reduction (UNDRR) Global Risk Assessment Framework Working Group Member*

- *National Science and Technology Council, Subcommittee for Resilience Science and Technology, Science for Disaster Reduction (SDR) International Disaster Risk Reduction (IDRR) WG, NASA Representative*

- *Committee on Earth Observation Satellites (CEOS) WG Disasters Secretariat*

Geospatial Project Manager, Booz Allen Hamilton, Virginia   **July 2011 – May 2020**

- *NASA Applied Sciences Disasters Program GEO/CEOS International Integration Manager*

- *NASA Langley Research Center Lead Disasters Program Coordinator*

- *Army National Guard (ARNG) Installations and Environmental Division Geospatial Lead*

- *Department of Homeland Security (DHS) Geospatial Concept of Operations (GeoCONOPS) Lead Analyst*

- *Booz Allen Hamilton Carbon Footprint Analysis*

Geospatial Practitioner, Atkins Global, Maryland   **January – July 2011**

- *Federal Emergency Management Agency (FEMA) Geospatial Lead*

Technical GIS Intern, PBS&J Engineering, Maryland   **May – December 2010**

- *U.S. Army Corp of Engineers (USACE) GIS Intern*

EDUCATION

Old Dominion University, M.S. Data Science and Analytics, Expected Graduation 2024
- Geospatial Analytics Concentration

Old Dominion University, B.S. Geography, Geographic Information Science
- GIS Certificate
- Impacts of Technology Cluster

Select 400/500 Level Courses
- Spatial Analysis of Coastal Environments
- Digital Techniques of Remote Sensing
- Applied Cartography and GIS Techniques

PUBLICATIONS

United Nations Office for Disaster Risk Reduction Global Assessment Report (GAR) 2022

- [Earth Observations into Action: Systemic Integration of Earth Observation Applications into National Risk Reduction Decision Structures](#)

MEMBERSHIP, CERTIFICATIONS, SKILLS

Active Committee / Board Membership
- White House Office of Science and Technology Policy (OSTP) National Science and Technology Council (NSTC) Subcommittee on Disaster Reduction (SDR) International Working Group
- White House OSTP NSTC U.S. GEO Subcommittee (USGEO) Americas Coordination Group
- GEO Programme Board, Sendai Framework Subgroup
- United Nations Office of Outer Space Affairs (UNOOSA) International Working Group on Satellite-based Emergency Mapping (IWG-SEM)
- United Nations Office for the Coordination of Humanitarian Affairs (UN OCHA) Global Disaster Alert and Coordination Systems (GDACS)

Certifications
- Project Management Professional (PMP), Project Management Institute (PMI)
- GIS Professional (GISP), GIS Certification Institute (GISCI)
- Certified Floodplain Manager (CFM), Association of State Floodplain Managers (ASFPM), Former
- Certified Open Water Diver, Scuba Schools International (SSI)
- Certified Hang Glider, U.S. Hang Gliding and Paragliding Association (USHPA), Former

Technical Skills
- Esri ArcGIS (ArcGIS Pro, Enterprise, Desktop, Server, ArcSDE, Spatial Analyst)
- QGIS and other open source geospatial technologies
- Demonstrated Earth observation remote sensing data geospatial enablement, Geoprocessing, 3D Analysis
- Local and Enterprise database design and management
- Common programming languages used to develop custom geospatial tools and applications (Python)
- Web Application Development technologies (JavaScript, CSS, HTML)

AWARDS

Geospatial World, 50 Rising Stars Awardee, 2022