

JEFFREY PIRES, GISP

GIS & Data Professional | Practical Geospatial Solutions for Informed Action

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KEY IMPACTS

- Architected and maintained the WHO/Europe COVID-19 Dashboard covering 53 countries: 15M+ site visits; ensured timely authoritative open data empowering governments to make informed policy decisions; supported derivative products across media, research, and academic institutions
- Co-founded the WHO/Europe GIS Hub; developed regional geospatial strategy and roadmap
- Delivered tailored GIS and information management solutions across four continents and multiple sectors, from strategic planning to complex emergency operations
- Pioneered web GIS enterprise adoption supporting 2000+ users across energy utility operations serving 7M+ customers; developed emergency response tools enabling real-time situational awareness

PROFESSIONAL SUMMARY

20+ years building geospatial systems and data architecture in humanitarian, health security, and critical energy infrastructure across the UN, NGOs, government, and private sector. Committed to developing practical GIS solutions with tangible benefits across dynamic contexts.

EXPERIENCE

GIS / Data Visualization Officer

World Health Organization (WHO/Europe), Copenhagen, Denmark • 2019–2025

- Developed and maintained WHO/Europe COVID-19 Dashboard (Feb 2020–Nov 2023); architected an open data approach integrating dozens of authoritative data sources in near-real time using Python, with data governance protocols ensuring reliable and timely updates
- Delivered IM/GIS solutions for multi-hazard emergencies including pandemic response (COVID-19), infectious disease monitoring (mpox, cholera, hepatitis, zoonotic influenza), and complex humanitarian emergencies (Ukraine, Gaza); developed dashboards, geospatial products and situation reports
- Co-founded the WHO/Europe GIS Hub; contributed to regional strategy and GIS for Health roadmap; strengthened regional capacity for health emergency detection, surveillance, and response
- Led clearance of 250+ geospatial products through legal review with technical teams; contributing author on peer-reviewed publications and reports

Information Management / GIS Officer

International Organization for Migration (IOM), Cox's Bazar, Bangladesh • 2018

- Coordinated IM/GIS support in Rohingya refugee camps (1M+ population); managed data collection, analysis and publication of site profiles and needs assessments guiding inter-agency coordination; developed web portal, portable UAV imagery geodata packs, and interactive incident dashboard for humanitarian monitoring

Lead Analyst, Asset Data & Analytics

National Grid, Boston, USA • 2003–2016

- Developed and launched enterprise mapping portal as an ArcGIS Online early adopter; scaled from initial pilot to 2000+ office and mobile users by identifying departmental challenges and delivering targeted GIS solutions
- Developed mobile damage assessment tools and real-time dashboards integrating live weather, crew locations, power grid status, customer outages, and asset conditions

Key GISCorps Volunteer Missions

- US-CDC Shelter Monitoring (2017): Developed real-time dashboards tracking shelter capacity
- WHO DRC Polio Eradication (2017): Architected crowdsourcing platform; led digitization of 750K+ structures
- WHO Ebola Response (2015): Managed data; maintained situation maps; launched open data portal

SKILLS & EXPERTISE

GIS & Data Collection: ArcGIS Pro • ArcGIS Online (Dashboards, StoryMaps) • Survey123 • QGIS • Kobo • ODK

Analysis & Visualization: Emergency Response Mapping • Spatial & Network Analysis • Accessibility Modeling • Climate Resilience • Complex Data Visualization • Strategic Map Design

Data Architecture & Governance: Complete Data Lifecycle Management • Transformation & Integration • Standardization & Harmonization • ETL/Data Pipeline Automation • Mobile Data Collection • Quality Control

Programming & Scripting: Python • Arcade • R • SQL • Git/GitHub • REST APIs

Certifications & Credentials: GISP (GIS Certification Institute, 2009–present) • US FAA UAV Pilot (2018–present)

Languages: English (native) • French (A2)

EDUCATION

- Graduate Certificate, Geo-Information Science | Salem State University, USA, 2008
- Bachelor of Arts, Earth Science | University of New Hampshire, USA, 2003

RECOGNITION

ESRI Special Achievement in GIS (2013) • URISA Health GIS Panelist (2016) • ESRI Event Speaker (2019, 2025)