This is not an ADB material. The views expressed in this document are the views of the author/s and/or their organizations and do not necessarily reflect the views or policies of the Asian Development Bank, or its Board of Governors, or the governments they represent. ADB does not guarantee the accuracy and/or completeness of the material's contents, and accepts no responsibility for any direct or indirect consequence of their use or reliance, whether wholly or partially. Please feel free to contact the authors directly should you have queries.

Global Operational Support Team (GOST)

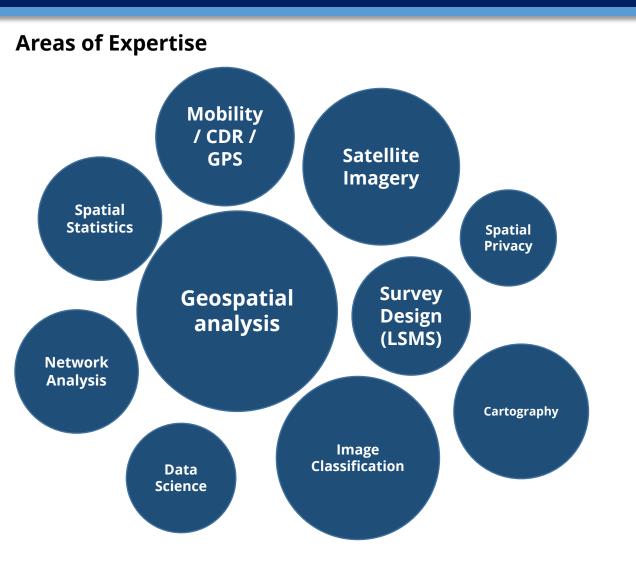


Benjamin Stewart, bstewart@worldbank.org

Sr. Geographer GOST Team Lead



Team Competencies

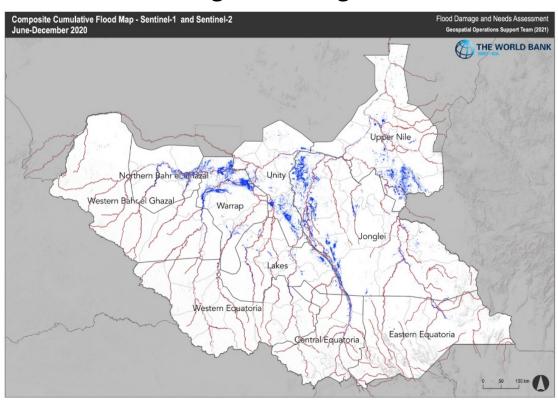


Domains

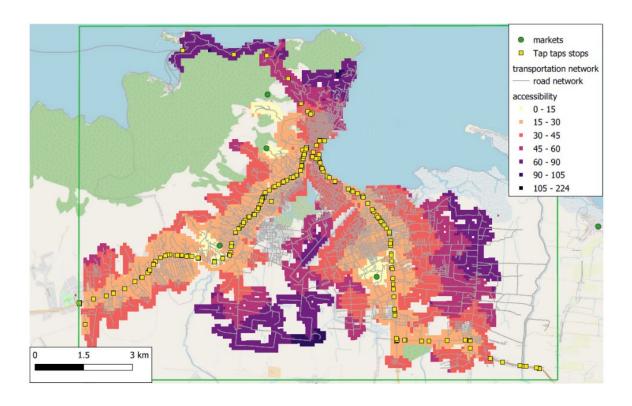
- Market Access, Road Networks, and Criticality/Optimization
- Urbanization, Land Cover
 Mapping, and change detection.
- Renewable Energy Mapping
- Electrification Planning
- Flood Mapping
- Climate time-series data
- Crop mapping

How? – Just-in time project support

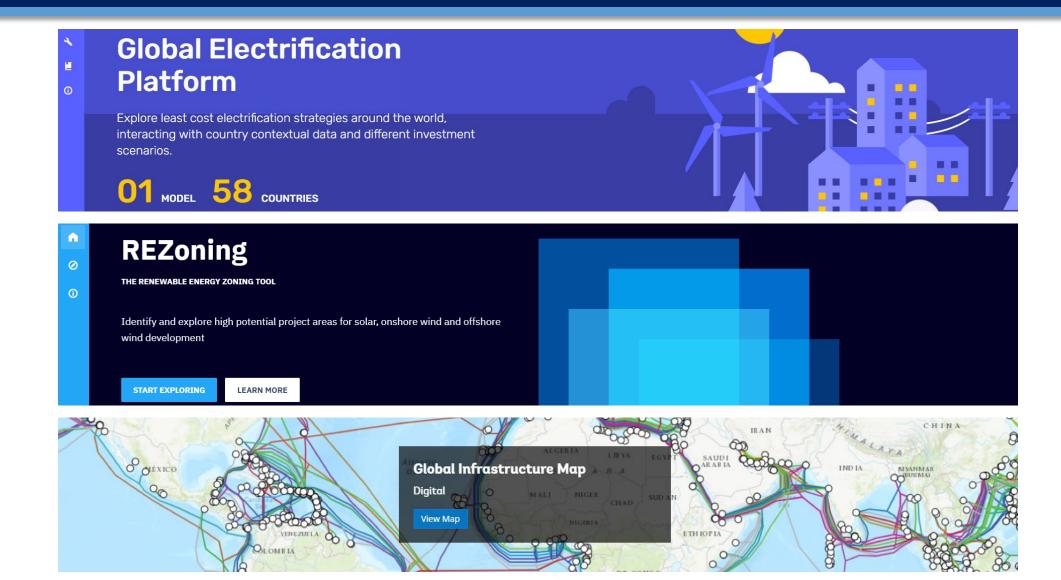
Flood extent mapping using Sentinel and Google Earth Engine



Cap Haitien Accessibility Analysis using GTFS Data



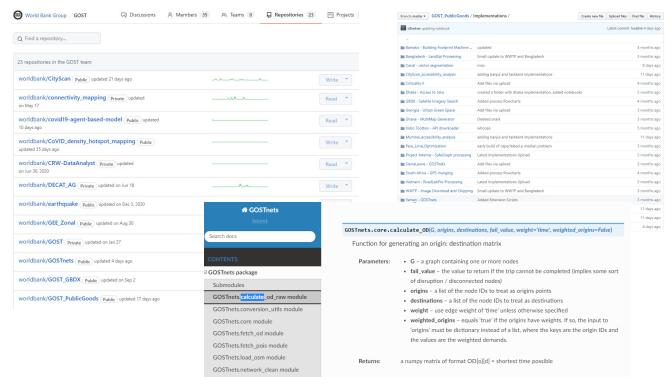
How? – Long-term projects



How? – Public Goods

<u>Github</u>

- Administrators of World Bank Github organization
- Document analytical implementations
- Maintain code for reproducible analytics (market access, urbanization metrics, infrastructure mapping, raster tools), or custom data science projects.



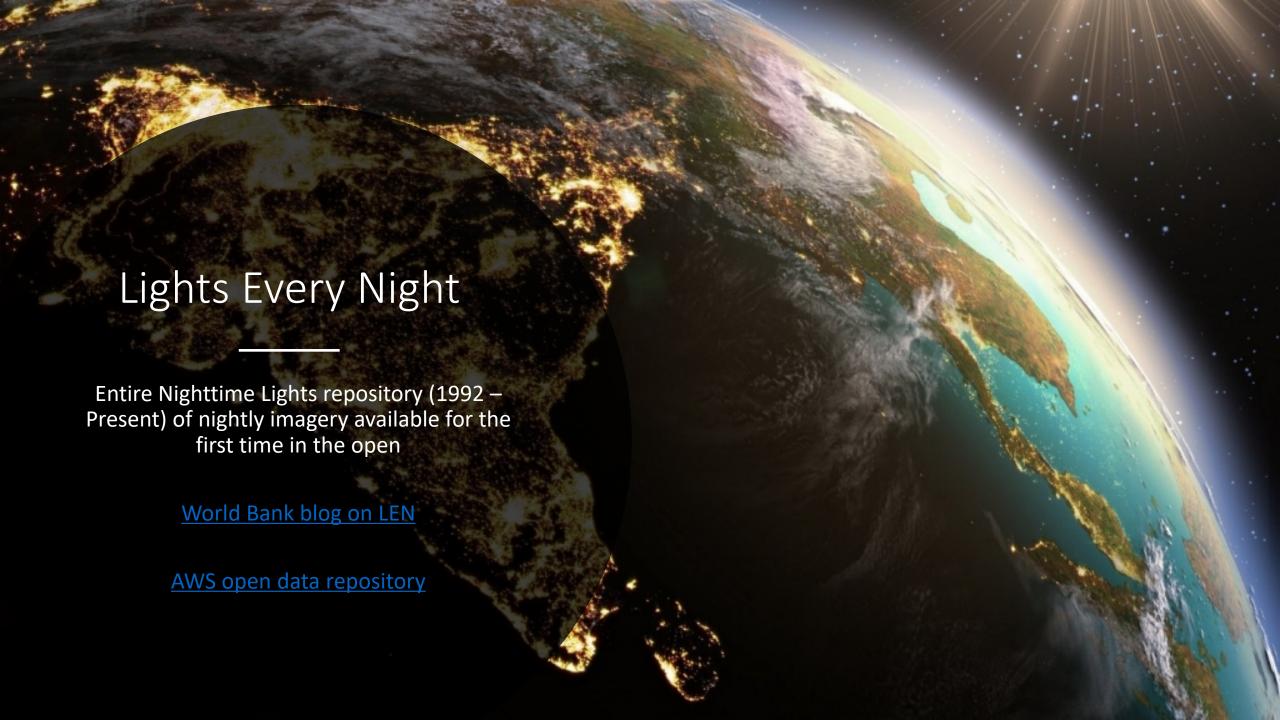
FY22: Re-negotiate Master Service Agreements with imagery providers

- We are currently in the process of renegotiating agreements to simplify imagery procurement.
 - Established discounts
 - Licensing to allow distribution to client countries







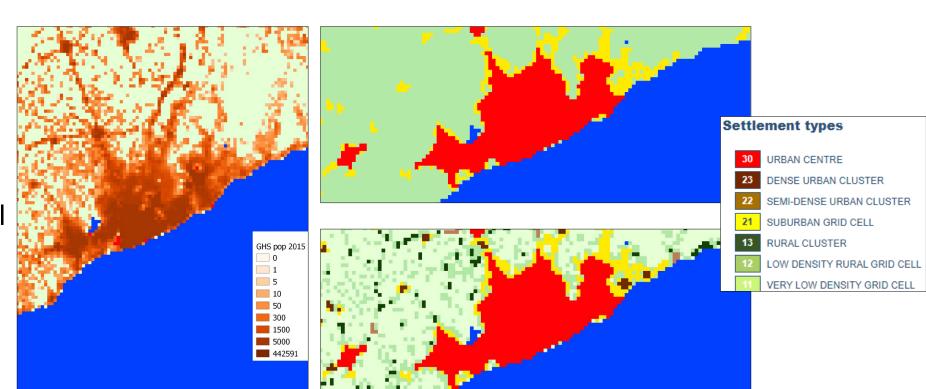


Sample Analytics

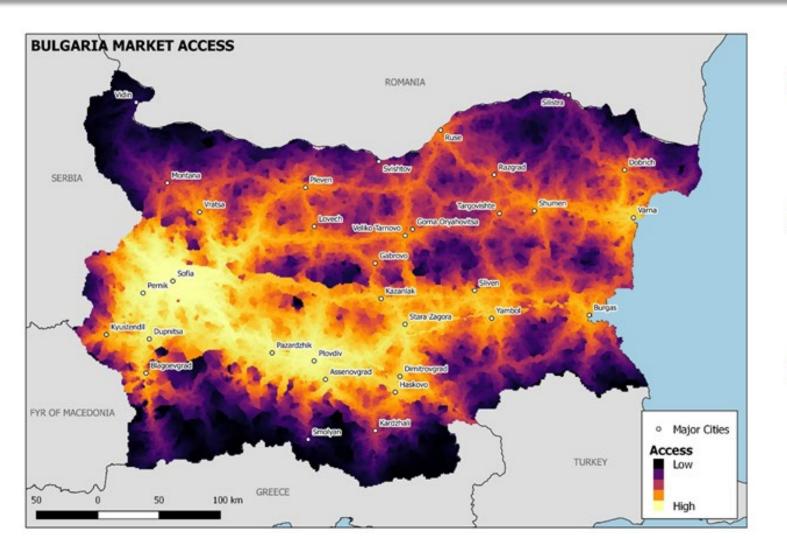


Urbanization

- European Commission
 - Simple classification
 - Advanced classification
 - UCDB cities database
- Oxford Economics Global Cities Database Projections
 - Variables included
 - Extents expected Nov 2021



Market Access

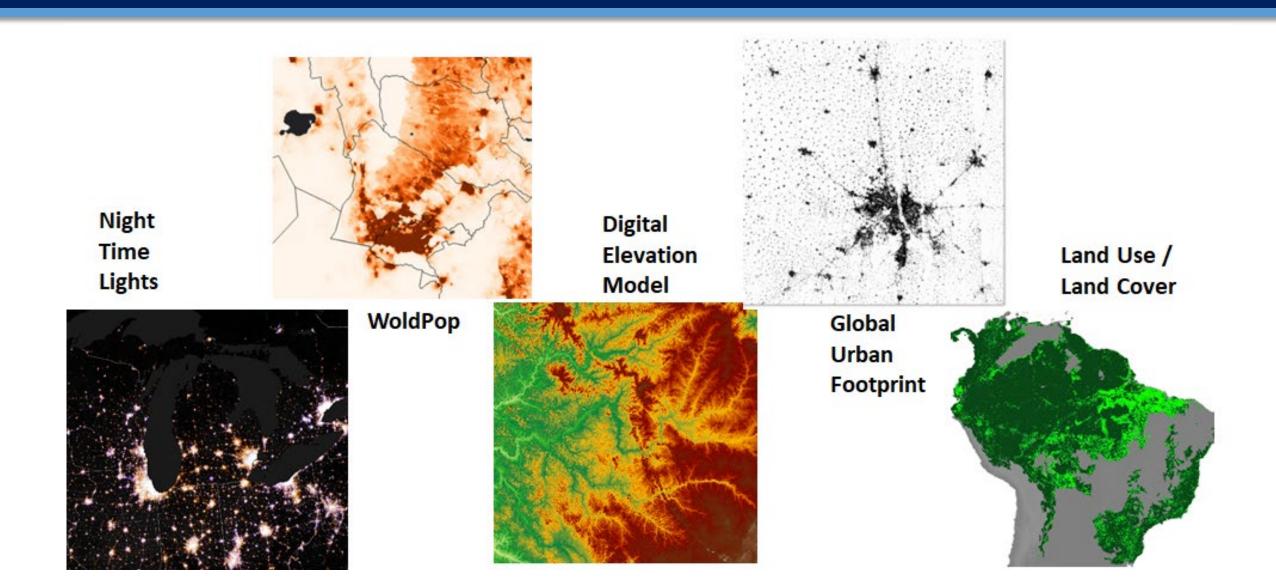


Markets

Schools?

Hospitals?

Analytics from publicly available datasets



Understanding possibilities of commercial datasets



Building footprints



Roads

High Resolution DEM (< 10m)





Car Count

Key Resources (non-GOST)



Find WB Data Resources Find External Collaborators Event & Workshop Materials

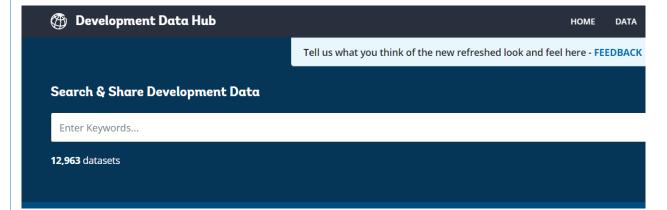
THE DATA LAB HELPS SOLVE DEVELOPMENT CHALLENGES

The Lab improves internal coordination between World Bank data talent; expands pro-bono partnerships with private firms and academic institutions; and builds staff awareness and capacity to deliver modern data solutions in operations and research. Join today!









Featured



World Development Report 2021

The World Development Report 2021: Data for Better Lives explores the tremendous potential of the changing data landscape to improve the lives of poor people, while also acknowledging its potential to open back doors that



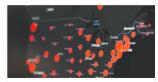
Statistical Performance Indicators

National statistical systems are facing significant challenges. These challenges arise from increasing demands for high quality and trustworthy data to guide decision making, coupled with the rapidly changing landscape of the data revolution.



World Development Indicators

The primary World Bank collection of development indicators, compiled from officially-recognized international sources. It presents the most current and accurate global development data available, and includes national, regional and global estimat.



COVID-19 Data

Data relevant to the coronavirus pandemic, drawn from the World Bank's data catalog and other authoritative sources.

https://datacatalog.worldbank.org

