

ENB GP – Disruptive Knowledge, Information, and Data services (KIDS) Helpdesk

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TEAM WEBSITE: <https://worldbankgroup.sharepoint.com/sites/ENR/Pages/Data-06212018-165856.aspx> and

MISSION

Disruptive Knowledge, Information, and Data Services (KIDS) Helpdesk is intended to support the use of disruptive technology (particularly related to modern information and analytical aspects) in ENB GP operational and ASA activities.

Disruptive KIDS helpdesk acts as a facilitation service for teams within the Bank. It is funded on a project basis. It functioned as a virtual help desk until recently. With the help of ITS GeoLab, KIDS launched applications with touch screen function that enable teams to search for specific datasets, and also use the space for training and product requests. Overall, Disruptive KIDS strive to bring in new technologies especially those related to geospatial services.

CAPACITY

TEAM

Disruptive KIDS have assembled a very diversely skilled team (around 20 people) to cater to different needs from data visualization to rapid data portal prototyping. KIDS team interface with many other teams across the Bank and beyond as required.

SERVICES OFFERED

KIDS is intended to support the use of disruptive technology (particularly related to modern information and analytical aspects) in ENR GP operational and ASA activities.

TYPES OF SERVICES

Rapid Research

- Rapid research (e.g. case studies of use of disruptive tech for any relevant theme or location, quick data search, existing e-books or other resources)
- Interactive Literature/ Multi-media Reviews

Data Analysis & Visualization

- Interactive graphs, maps, animations and other visualizations
- Use of advanced data analytics (e.g. spatial/big data analysis using GIS/remote sensing tools, customized Google Earth Engine analytics, other big data cloud analytics)
- Interactive portfolio visualizations (interactive charts and maps)
- Rapid modeling (where possible)

Customized Presentations/Interactive Packaging

- Infographics
- Google Earth flythroughs (e.g. of projects for Board or other presentations)
- PPT slides on relevant disruptive tech content; Interactive Spreadsheets
- Interactive Storymaps
- Interactive Dashboards/Data Portals (e.g. for country, province, basin)
- Quick E-books
- Guidance on creating and using e-books, mobile Apps, Portals

Training/Outreach

- Quick socialization on various types of disruptive tech
- Facilitating Disruptive Tech BBLs
- Search for relevant training for staff and clients on disruptive tech
- Arranging training (esp. virtual) and “Tech Clinics” for our teams and clients
- Informal chats/Lightning talks on tech in ENR
- Suggestions on relevant tech procurement Specs/ToRs, Consultants
- Archive of products; KIDS Newsletter

PRODUCTS

Spatial Agent application (spatialagents.org/kids) provides access to statistics such as GDP per capita, trade data from MIT ATLAS, big imports/exports, climate stations of the world. The links to the analytics are available as well. The app can be downloaded from <http://apps.worldbank.org> or directly from iOS AppStore(recently updated)/Android Version (much older- being updated)

On the disruptive technology side, interactive e-books have been developed on different types of technologies. As part of the KIDS group, an excel table has been created on a shared drive, where information on different technologies used in different sectors has been shared. The team has a collection of articles, websites, and videos as well.

OLC Spatial Agent tutorial/webinar (links to factsheet, webinar, illustrative graphics, interactive tutorial, etc.)

Interactive e-Atlas/Dashboard Drafts (Use Chrome Browser):

- Global HydroInformatics
- Draft Open Pollution Data Initiative
- Pakistan
- Ethiopia
- Sudan
- Mekong Delta
- Lake Victoria
- Namibia
- Uganda
- Kerala
- Peru
- Bhutan
- Africa
- Sri Lanka
- Somalia
- West Africa Coastal Areas
- Central Asia
- Nigeria
- Sierra Leone
- EU Poverty

Interactive e-books (to package information in new interactive ways - use Chrome browser – navigation on top-right, pls note - many still in draft):

- “Disrupting” Development (draft Primer being developed on Disruptive Tech)
- Illegal Wildlife Trade e-book (see interactive charts here)
- NASA-WB Earth Observations e-book (jointly done with NASA – and on the Bank’s Open Learning Campus)
- In-Situ Monitoring Systems (example of a simple interactive database)
- Pakistan@100
- India Smart Cities e-book (some interactive maps/data here)
- ICT and Forests e-book (interactive storymap example here)
- Forests & Poverty
- Technology in SD (see d3 filter example here) – being updated
- Modern Information Tools for Watersheds (used for a training event)
- Water Accounting
- California Water Resources

PARTNERSHIPS

Internal

- ITS Technology & Innovation Lab (blockchain, AI, 3D printing, chatbots, etc.)
- ITS Geospatial (Geospatial Platform, Storymaps)
- GOST (Geospatial Operations Support Team)
- Geospatial CoP, Hydromet CoP, etc.

- OLC (Open Learning Campus)
- DECDG (Development Data Hub, Big Data Group, Big data cloud analytics)
- Development Data Partnership
- AgObservatory
- HydroInformatics Platform
- Disruptive Tech Network
- Disruptive Tech Trust Fund

External

NASA, ESA, NOAA, GEO/GEOGLOWS, Client Agencies, Food and Agriculture Organization of the United Nations, International Food Policy Research Institute, The Green Growth Knowledge Partnership (GGKP), The Green Growth Knowledge Partnership (GGKP), Cornell University

OTHER HIGHLIGHTS

To know more about Environment GP data related work and Disruptive KIDS:

- Illustrative products: Spatial Agent App: <https://olc.worldbank.org/content/spatial-agent-tutorial>
- Country Portal: Pakistan Digital Platform <http://appsolutelydigital.com/Pakistan/>
- Interactive E-book: Illegal Wildlife Trade: <http://appsolutelydigital.com/WildLife/>
- ENB GP internal data page:
<https://worldbankgroup.sharepoint.com/sites/ENR/Pages/Data-06212018-165856.aspx>
- Environment & Sustainability Data Platform (beta version):
<http://datatopicsqa.worldbank.org/ENR/home>
<http://environmentdata>
- Hidden Dimensions of Poverty Dataset (HDD) internal page:
<https://worldbankgroup.sharepoint.com/sites/ENR/Pages/Hidden-Dimensions-of-Poverty-Dataset-HDD-02272019-122718.aspx>
<http://hdd>
- Hidden Dimensions of Poverty Dataset (HDD) Map Visualization Tool (beta version):
<https://geosdndev.worldbank.org/hdd>
- Wealth Accounting (<https://datacatalog.worldbank.org/dataset/wealth-accounting>)
- Adjusted Net Savings (<https://datacatalog.worldbank.org/dataset/adjusted-net-savings>)