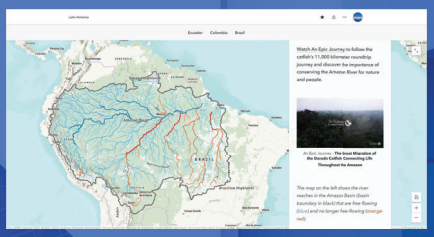
CONSERVATION

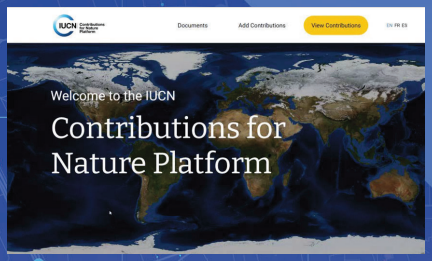
BLUE RASTER

Analysis | Apps | DataViz

Blue Raster develops award winning, interactive web mapping applications for clients globally



The Nature Conservancy: Community-Led Conservation of Freshwater and Fisheries Story Map



International Union for Conservation of Nature: Contributions for Nature Platform

SERVICES AND SKILLS

esri Nonprofit Specialty

- Web and Mobile Strategy
- Interactive Mapping Tools
- Cloud GIS, Migration to Cloud Infrastructure, Compliance
- Open Data, Data Analysis, Data Processing
- ArcGIS Platform, Cartography, Geoprocessing
- Native and Cross Platform Mobile Apps
- Configurable Dashboards, StoryMaps, Surveys, and Hubs
- Cloud raster workflows with ArcGIS Image Server
- Deploy automated ETL Pipelines
- Certified cloud security professionals

Valuable information & analysis to support conservation

Open Data, dissemination, processing

Public-facing web maps for applications

Spatial validation of data and records

Monitor, Evaluate and Learn (MEL) from your activities & apps

esri Partner Network Gold

Esri Partner Conference 2023 Award Winner
Sustainable Development

esri State and Local Government Specialty

esri Federal Small Business Specialty

esri ArcGIS Hub Specialty

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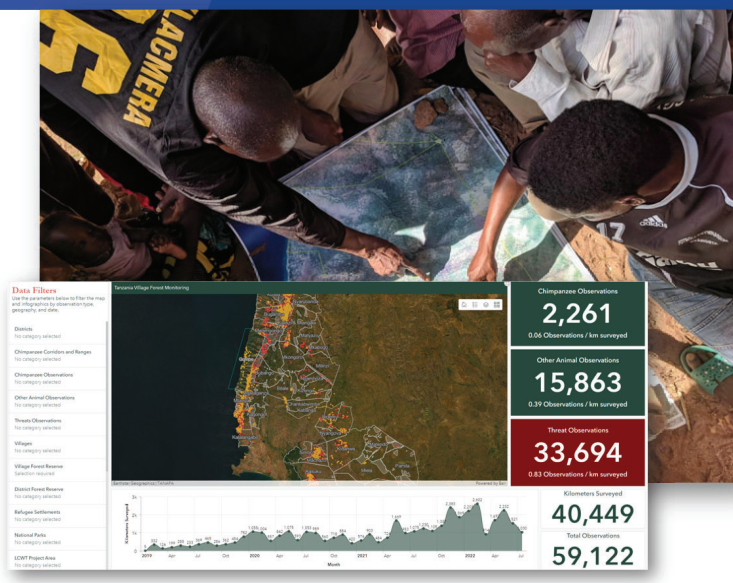
CONSERVATION

Jane Goodall Institute: Decision Support System

The Jane Goodall Institute's Decision Support System incorporates GIS into the Tacare ("Take Care") Approach to monitor and preserve threatened habitats in and around the Gombe National Forest in Western Tanzania. Blue Raster configured field surveys, dashboards, and hosted notebooks to support community led conservation efforts.

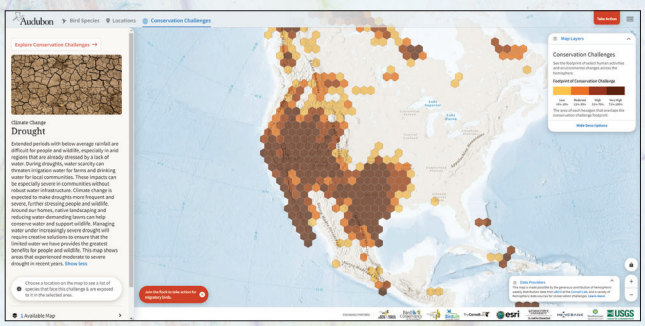
- **Trained community monitors patrol the area, using Survey123 to record observations**
- **Scheduled python notebooks, hosted in ArcGIS Online, process observations to identify important anomalies**
- **SMS alerts are sent to appropriate staff to rapidly respond to incidents**
- **Dashboards provide real-time situational awareness to key stakeholders**



National Audubon Society: Bird Migration Explorer

The National Audubon Society's Bird Migration Explorer teaches users—including birders, conservationists, researchers, and even the general public—about the joys, complexities, and unique connections of migration. Through a partnership with Blue Raster, the platform tells the stories of migratory birds across the hemisphere, features mapping of over 450 species' travels, and visualizes the conservation needs of high priority areas.

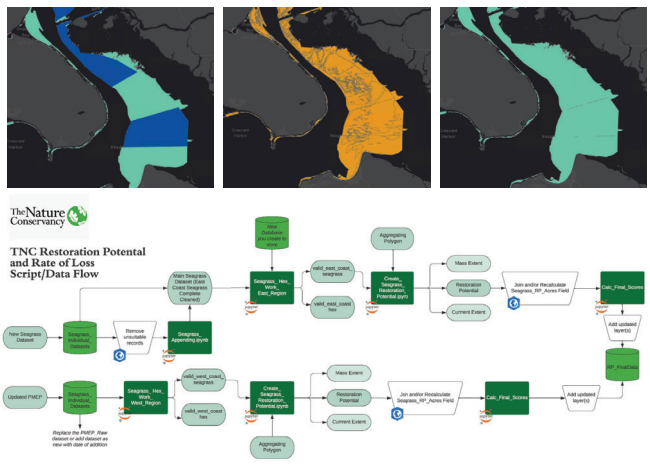
- **Data for over 450 bird species is hosted in ArcGIS Online**
- **Custom visualizations created using Esri's JavaScript SDK beautifully display migration data**
- **Locations maps show how places are connected by individual birds**
- **The application incorporates data from over 400 bird tracking studies, Cornell University's eBird program, and other sources**



"If you take care of the birds, you take care of most of the big problems in the world"

-Dr. Thomas Lovejoy

The Nature Conservancy: Coastal Restoration Opportunities

The Coastal Restoration Opportunities project works to map and quantify coastal restoration opportunities in five habitats in the United States. By establishing a baseline of areas with potential for restoration, stakeholders can better advocate for implementation of specific coastal restoration projects.

- **Blue Raster supported TNC's ocean resiliency subject matter experts to develop the analysis methodology**
- **Key environmental data, such as Seagrass locations, acquired from multiple sources**
- **Region specific workflows incorporate local factors**
- **Research has been published in peer-reviewed scientific journals**