

WELCOME TO WP5

- Topics
 - Patterns and Benefits of Geographic Information System (GIS)
 - Web GIS
 - Observatory Overview
 - Associated Applications Overview

COMMON GIS PATTERNS

Location enablement

Data management

Analysis

Field mobility

Visualization (operational awareness)

Constituent engagement

Complete and integrated web mapping platform

Empower all
users to
discover,
use,
make, and share
maps



Collect, organize, and exchange data

Transform data into actionable information

Get data into and out of the field

Information dissemination and decision support

Collaborate with stakeholders











Location enablement

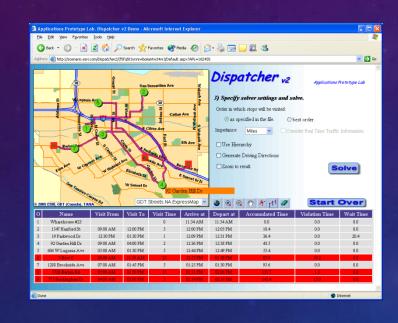
Data management

Analysis

Field mobility

Visualization (operational awareness)

Choosing the most efficient route for delivery vehicles





Location enablement

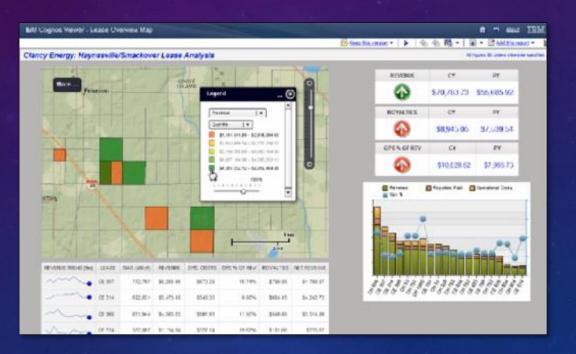
Data management

Analysis

Field mobility

Visualization (operational awareness)

Tracking the hours that field crews work by geographic region



Location enablement

Data management

Analysis

Field mobility

Visualization (operational awareness)

Determining the best location for a new dry port



Location enablement

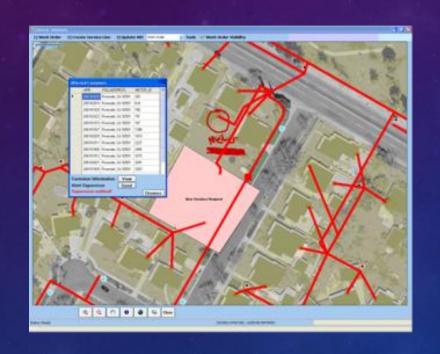
Data management

Analysis

Field mobility

Visualization (operational awareness)

Streamlining data collection with mobile apps





Location enablement

Data management

Analysis

Field mobility

Visualization (operational awareness)

GIS BENEFITS

Cost savings



Improved communication



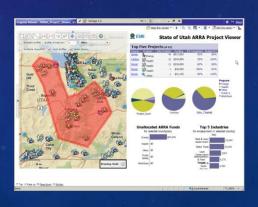
Better decision making



Better record keeping



Geographical management





ONE WEB MAP, MANY USES



Web map



Browser Web apps



Mobile devices



Desktop



Dashboards BI applications

WEB GIS FUNCTIONS



Discover



Use



Make



Share



Uses GIS

Analyzes data

Creates map layers



Uses GIS on a mobile device and in a browser

Edits map layers

Collects data



Not a member of the organization

Uses a browser to access maps and map layers for projects data







DIFFERENT USERS AND GROUPS, DIFFERENT PRIVILEGES



DIFFERENT USERS AND GROUPS, DIFFERENT PRIVILEGES

Viewing

Delivering Powerful Capabilities Across Your Organization

Field Worker

Viewer

Viewer

Field Worker

Authoring, Mapping & Analysis

Editing

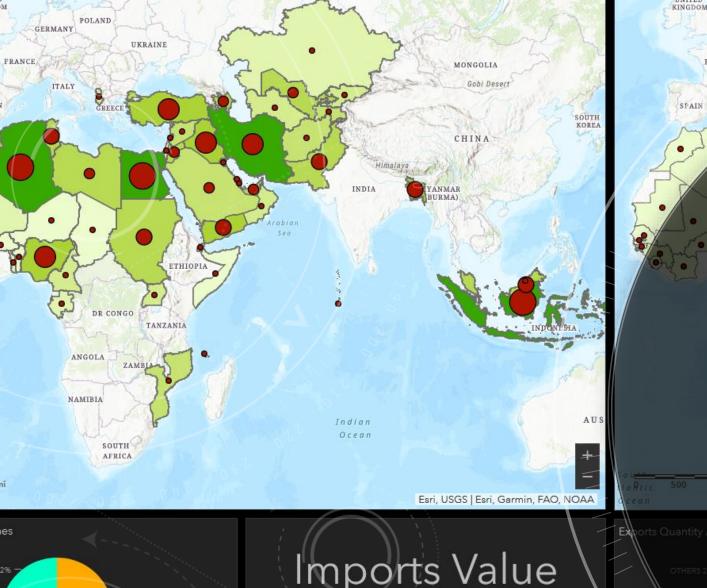
TRANSPORT INFRASTRUCTURE OBSERVATORY PHASE ONE

- Transport Infrastructure Data Viewers
 - General Public
 - International Financial Institution (IFI)
 - Governments' users
 - Regional Cooperation Organization (RCO) users
- Define Data Collection Techniques











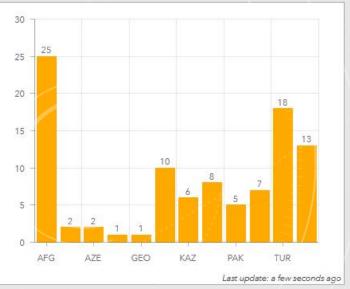
GERMANY

AFRICA 49.09%

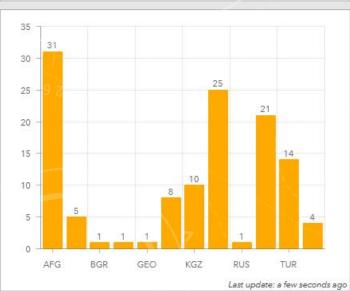
Last update: a few seconds ago

Imports Value 45,570,573.591

Last update: a few seconds ago

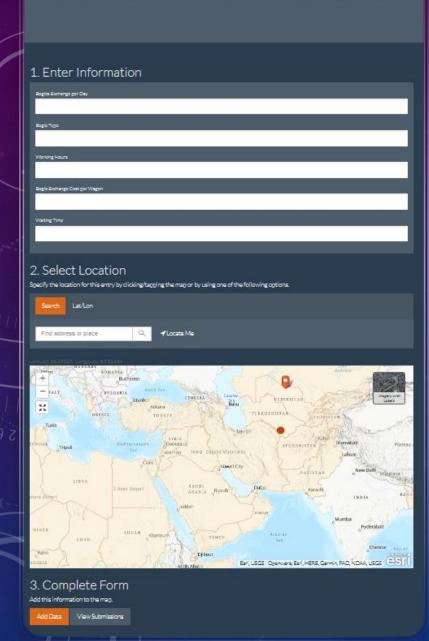


Road Projects 122





International Transport Infrastructure - Data Collection



DATA COLLECTION APPLICATION

