U.S. Navy IGI&S GeoReadiness Program
Evaluating User Communities and User Demand

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GeoReadiness Enterprise Program

IGI&S products and support delivered at 9 FECs, in support of 11 CNIC Regions. GeoReadiness supports more than 2,500 users across all 72 USN installations.
Navy Communities & Missions Served

Business functions consume or reference authoritative geospatial data.
GeoReadiness IGI&S Products & Services

<table>
<thead>
<tr>
<th>Application/Tool</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>GeoReadiness Explorer (GRX)</td>
<td>Navy interactive/interoperable map viewer</td>
</tr>
<tr>
<td>Data Reconciliation Tool</td>
<td>Asset Management reconciliation tool</td>
</tr>
<tr>
<td>CIRCUITS Summary Tool</td>
<td>Utilities usage summary tool</td>
</tr>
<tr>
<td>MAXIMO Summary Tool</td>
<td>Public Works work order summary tool</td>
</tr>
<tr>
<td>iNFADS Summary Tool</td>
<td>Asset Management Real Property summary tool</td>
</tr>
<tr>
<td>Space Search</td>
<td>Tool to access floor plans in GRX</td>
</tr>
<tr>
<td>Media Manager</td>
<td>Tool to manage and access file attachments in GRX</td>
</tr>
<tr>
<td>Regional Base Map Access</td>
<td>Access Regional standard products and RBMs</td>
</tr>
<tr>
<td>GeoReadiness Portal</td>
<td>Access Enterprise and Regional IGI&amp;S resources</td>
</tr>
<tr>
<td>Regional Plan Viewer</td>
<td>Storage system for Public Works projects</td>
</tr>
<tr>
<td>NSGEM</td>
<td>An interactive energy business intelligence module</td>
</tr>
<tr>
<td>NIRIS</td>
<td>Geo-enables Environmental Restoration activities</td>
</tr>
</tbody>
</table>
GeoReadiness Application Usage Metrics

What are we measuring?

1) **HOW MANY USERS?**
   - How many people are using GeoReadiness applications?
   - How often are they using them?

2) **WHO ARE THESE USERS?**
   - User Community Distribution
     - U.S. Navy and Beyond
     - Detailed U.S. Navy NAVFAC and CNIC breakdowns
GeoReadiness Application Usage

GES Activity
FY2016 - FY2017 Comparison

Q1
Q2
Q3
Q4
Usage Measured in two ways:

1. Number of application hits
2. Number of unique users
GeoReadiness Explorer Usage
FY 2017 (Q1 & Q2)
Regional Base Map Usage
FY 2017 (Q1 & Q2)
Data Reconciliation Tool Usage
FY 2017 (Q1 & Q2)
Identifying GeoReadiness Users

- Implementation of a User Profile Tool
- Users are prompted for their organizational information
- Users may self-identify their organization or opt out
- Collect up to 4 tiers of information, depending on their organization

DoD Agency?  \[ \rightarrow \] Navy Org?

NAVFAC BL?  \[ \rightarrow \] NAVFAC Sub-BL?

CNIC Program?  \[ \rightarrow \] CNIC N3/N4?
GeoReadiness User and App Logging

GES Application Logs (Oracle Database)

Production Environment

Usage Logs Table

Users Table

GRX Map Viewer Table

Organization Lookup Tables
Metrics Report Generation Process

- Organization Lookup Tables
- Users Table
- Usage Logs Table
- STORED PROCEDURES
  - Date Input Parameters
  - Application Variables
  - Aggregate Queries

Production

Crystal Report PDF Output

- Crystal Report
- PDF Output
- Report
  - GES_UserComMetrics_HQ
- Start Date
  - Sunday, January 01, 2017
- End Date
  - Friday, March 31, 2017
- Module
  - GeoReadiness Explorer
- Comments
  - This will generate a report showing user community distribution for GRX users between 01/01/17 and 03/31/17.
- Export Type
  - Pdf
- Run
User Community metrics show usage for self-identified users only. It does not relay total tool usage.

<table>
<thead>
<tr>
<th></th>
<th># Unique Users</th>
<th>% Total Users</th>
<th># Hits</th>
<th>% Total Hits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self-Identified Users</td>
<td>2,725</td>
<td>81%</td>
<td>29,876</td>
<td>86%</td>
</tr>
<tr>
<td>Unidentified Users</td>
<td>653</td>
<td>19%</td>
<td>4,721</td>
<td>14%</td>
</tr>
<tr>
<td>Total Users</td>
<td>3,378</td>
<td>100%</td>
<td>34,597</td>
<td>100%</td>
</tr>
</tbody>
</table>
GRX User Community Metrics (Q2 FY17)

- 92% of total GRX use is from U.S. Navy personnel
- A small percentage of users are in other DoD Agencies

- Of all Navy GRX users:
  - 82% are NAVFAC
  - 6% are CNIC
  - 3% are NAVSEA
  - 1% are NAVAIR
  - 1% are OPNAV N46
  - etc.
GRX User Community Metrics (Q2 FY17)

- **NAVFAC Unique Users**
  - Public Works has the most users
  - Followed by Asset Management, Capital Improvements, and Environmental

- **NAVFAC Usage Volume**
  - Public Works users access GRX most frequently
  - Followed by Asset Management users, Environmental users, and Capital Improvements users
GRX User Community Metrics (Q2 FY17)

- **Asset Management Users**
  - Asset Utilization (39%)
  - Planning (31%)
  - Sustainability & Land Use (17%)
  - Real Estate (12%)

- **Public Works Users**
  - Facilities Mgmt & Sustainment (48%)
  - Facility Support Contract Mgmt (19%)
  - Utilities and Energy Mgmt (18%)

### NAVFAC Breakdown

<table>
<thead>
<tr>
<th>NAVFAC Asset Management (AM)</th>
<th>Users</th>
<th>% Users</th>
<th>Hits</th>
<th>% Hits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM - Asset Utilization</td>
<td>185</td>
<td>39</td>
<td>3,829</td>
<td>49</td>
</tr>
<tr>
<td>AM - Real Estate</td>
<td>55</td>
<td>12</td>
<td>600</td>
<td>8</td>
</tr>
<tr>
<td>AM - Shore Infra. Inv. Pl.</td>
<td>146</td>
<td>31</td>
<td>2,113</td>
<td>27</td>
</tr>
<tr>
<td>AM - Special Venture Acq.</td>
<td>13</td>
<td>3</td>
<td>46</td>
<td>1</td>
</tr>
<tr>
<td>AM - Sustainability and Land Use Planning</td>
<td>79</td>
<td>17</td>
<td>1,275</td>
<td>16</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>478</td>
<td>100</td>
<td>7,863</td>
<td>100</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NAVFAC Public Works (PW)</th>
<th>Users</th>
<th>% Users</th>
<th>Hits</th>
<th>% Hits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PW - Facilities: Fac Mgmt &amp; Sustain</td>
<td>400</td>
<td>48</td>
<td>4,843</td>
<td>53</td>
</tr>
<tr>
<td>PW - Facilities: Fac Support Contract Mgmt</td>
<td>158</td>
<td>19</td>
<td>1,645</td>
<td>18</td>
</tr>
<tr>
<td>PW - Financial &amp; Human Resources: Resource &amp; Business</td>
<td>8</td>
<td>1</td>
<td>54</td>
<td>1</td>
</tr>
<tr>
<td>PW - PW Energy</td>
<td>42</td>
<td>5</td>
<td>387</td>
<td>4</td>
</tr>
<tr>
<td>PW - Transportation: Base Support Vehicles &amp; Equipment</td>
<td>10</td>
<td>1</td>
<td>67</td>
<td>1</td>
</tr>
<tr>
<td>PW - Utilities &amp; Energy Mgmt</td>
<td>140</td>
<td>18</td>
<td>1,528</td>
<td>17</td>
</tr>
<tr>
<td>PW - Utilities &amp; Energy Management</td>
<td>73</td>
<td>9</td>
<td>635</td>
<td>7</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>840</td>
<td>100</td>
<td>9,159</td>
<td>100</td>
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</tbody>
</table>
GRX User Community Metrics (Q2 FY17)

- **CNIC N3 Users**
  - Fire & Emergency Services (34%)
  - Air Ops (19%)
  - Anti-terrorism (13%)
  - Emergency Mgmt (13%)
  - Safety & Occupational Health (12%)

- **CNIC N4 Users**
  - Base Operating Support (44%)
  - Integration (20%)
  - Capital Investments (13%)

### CNIC N3 & N4 Breakdown

<table>
<thead>
<tr>
<th>CNIC - N3 - Operations</th>
<th>Usage Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Users</td>
</tr>
<tr>
<td>N30 Fire &amp; Emergency Services</td>
<td>28</td>
</tr>
<tr>
<td>N32 Air Operations</td>
<td>16</td>
</tr>
<tr>
<td>N35 Safety &amp; Occupational Health</td>
<td>10</td>
</tr>
<tr>
<td>N36 Operations Training and Exercises</td>
<td>4</td>
</tr>
<tr>
<td>N37 Emergency Management</td>
<td>11</td>
</tr>
<tr>
<td>N3AT Antiterrorism</td>
<td>11</td>
</tr>
<tr>
<td>N3D Public Safety</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>83</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CNIC - N4 - Facilities &amp; Environmental</th>
<th>Usage Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Users</td>
</tr>
<tr>
<td>N40 Integration</td>
<td>6</td>
</tr>
<tr>
<td>N43 Capital Investments</td>
<td>5</td>
</tr>
<tr>
<td>N44 Base Operating Support</td>
<td>11</td>
</tr>
<tr>
<td>N45 Environmental</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>25</td>
</tr>
</tbody>
</table>
User Community Distribution Reports

Dynamically generated reports by application type.
QUESTIONS?

Points Of Contact

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