Headquarters Air Combat Command

The Evolution of the Geospatial Enterprise

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This Briefing is:
UNCLASSIFIED
Agenda

• ACC GeoBase Overview
• Early Architecture - “The Beginning”
• GCSS-AF Portal Integration - “The First Big Step”
• 2007 Enterprise Architecture - “Where We Are Now”
• The Future - “Where We Are Going”
• Example of Support – “USACE EI2RC”
• Questions
ACC GeoBase Overview

• GeoBase – The USAF's non-intel geospatial program
• Air Combat Command GeoBase includes ACC bases and ranges, CENTAF, and AFSOUTH
• Core products include data, services, and training

Choose an AOR to View Maps

Note: EUCOM and PACOM maps will take you to non-ACC maps

To download data, choose a link below:
- ACC NORTHCOM Data
- ACC CENTCOM Data
- ACC SOUTHCOM Data

To download data choose a link below:

Front & Center

News

e103 Base Civil Engineer Work Clearance Request

Spotlight

Portlet Mapping Example...
Early (pre-2005) Architecture

- Distributed hardware and distributed management
- Really nothing enterprise (other than funding)
GCSS-AF Portal Integration (2005)

- Enterprise visibility

Overall…a better system, but still not there
2007 Enterprise Architecture

• Enterprise visibility AND data access
• Centralized Management
• Reduction in HW costs
• Better support for the WarFighter

Enterprise Visualization – GCSS-AF

Enterprise Data Delivery – Akamai

Enterprise Management – Director, etc.

24X7 access to maps and data
Anywhere in the world

Experts managing the systems

Substantial reduction in Licenses and hw costs

Overall...a much better product that is more efficient made possible by exploiting the technologies for all they are worth
The Future

- Even better management capabilities
- Leveraging more web based tools
- Better use of existing tools
- Applying other, non-traditional technologies
Example of Support…

• Support for USACE EI2RC…
Questions / Contact

• Questions?

• Contact Dave Williams (ACC GeoBase)
  • Email: david.williams2@langley.af.mil
  • Alt – dave.williams@earthtech.com
  • USAF Portal Address: https://my.af.mil/accgeoprod

• Contact Dr Lynn Hardegree (USACE EI2RC)
  • Email: lynn.c.hardegree@usace.army.mil
  • USACE EI2RC Web Address: https://ei2rc.usace.army.mil
ENGINEER INFRASTRUCTURE INTELLIGENCE REACHBACK CENTER (EI_2RC)

U.S. ARMY CORPS OF ENGINEERS
Lynn C. Hardegree, Ph.D.
The EI2RC’s Geospatial Assessment Tool for Engineering Reachback (IKE w/ GATER)

POC: Lynn C. Hardegree, Ph.D.

GATER MODULES for:
1) Critical Infrastructure
2) Real Property
3) Environmental Condition Report & Site Closure
4) Real Estate
5) Access Control Point
6) Bridge Reconnaissance
7) GRD Projects

From
Field Data Collection
To
Online Visualization

GPS (sub-meter capability)
IP 65
Laser Range Finder (up to 1 Km away)
Digital Camera, Digital Compass, Inclinometer, Removable SD Card, Tripod Mount, Sun Shield, ArcPad

EI2RC Centralized Geodatabase
GATER on the IKE 305
The Online GATER
GATER on the IKE 305

User Accountability

Standardization of Data Collection

GATER MODULES for:
1) Critical Infrastructure
2) Real Property
3) Environmental Condition Report
4) Environmental Site Closure
5) Real Estate
6) Access Control Point
7) Bridge Reconnaissance (FY 09)
8) GRD Projects
GATER 3.2

1) Select an event to work with:
   - C_IRQ_Camp_Taqqadum
   - C_IRQ_Camp_Rawah
   - C_IRQ_Camp_Rasmuyah
   - C_IRQ_Camp_Scana
   - C_IRQ_Camp_Speicher
   - C_IRQ_Camp_Sykes
   - C_IRQ_Camp_Taji

2) Download Data To The
   - IKE For Field Editing

3) Upload Data From The
   - IKE To The Desktop

4) Transfer Data From The
   - Desktop To The Centralized
     Server Database

Currently working online. Synchronization is enabled.