UNCLASSIFIED
How I Learned to Love Pasta...
From

MOB’s
GSU’s

USAFE GEObASE

USAF GeoBase

GEOREACH

USAFE LGXX SE CEP IN
SF 3rd  16th

Dead Stick to AFTER BURNER

In ONE year!
Prior to April 2002 …

• GeoBase sustained with limited funding
• Organizationally disfunctional
• 1 Captain, 1 Staff Sergeant, 2 Contractors
• Mix of hardware/software
• Intergraph/MicroStation, GeoMedia website
• Unorganized, disjointed, obsolete and missing data
• Minimal base support
Initial USAFE Decisions After April 2002

- GeoBase program consolidated under USAFE CERG
- Roles and responsibilities defined and consolidated
- DoD Civilian GeoBase Expert hired as Program Manager
- 2 – Contractors hired for GeoReach Program
- 2 – Contractors hired for GeoBase Program
- Migrate all USAFE, MOB and GSU spatial data to:
  - ESRI Platform for spatial data
  - AutoCAD for structure design
GeoBase Hardware Platform

- Enterprise Hardware: Dell 2650 and 4600 Servers
- Dell 650 and 260 Desktops
- Dell M50 and Panasonic Toughbook Laptops
- HP 5500 Plotters
- Trimble XPR Pro and 5700 GPS Systems
- Compaq IPAQ PDA’s, Olympus Digital Digital Cameras
GeoBase Hardware Operating System

- Microsoft Windows 2000 Server SP3
- Microsoft IIS 5.0
- Partitioning all systems: C:\os, D:\web, E:\geodata
- Oracle 8i
- New Atlanta ServletExec
- Sun Java 1.4.0
GeoBase Software Platform

• Desktops, Workstations and Laptops:
  - ESRI ArcGIS Platform 8.2
    > ArcInfo, ArcView, Spatial, 3D, ArcPress, MrSID
  - AutoCAD 2004 including AutoCAD Map and Land Desktop

• Servers:
  - License files for ArcGIS 8.2
  - ArcIMS 4.0.1
  - ArcSDE 8.2
GeoBase Data Architecture

Hardware:
- Uniform directory structure
- Uniform virtual directory structure for web services

Software:
- CADD/GIS Center SDSFIE 2.21
- USAFE Data Architecture and Server Directory Structure Version 1.0
GeoBase Directory Structure
Virtual Directory Structure
GeoBase CADD/GIS SDSFIE 2.21 Implementation
USAFE GeoBase Data Architecture and Server Directory Structure Version 1.0

Import/Export

PGDB SDS Tables (via SDS PGDB Builder)

Access/Oracle Ancillary Tables

Access/Oracle Lookup Tables

Server

ArcSDE

SDS Geodatabase

Oracle 8.1.7

ArcSDE

User

Desktop users

Web users
GeoBase Organizational Structure

Germany
- Ramstein Air Base
  - Vogelweh
  - Kapaun
- Spangdahlem Air Base
  - Bitburg

United Kingdom
- RAF Lakenheath
  - Feltwell
- RAF Mildenhall
  - Molesworth/Alconbury
  - Croughton
  - Fairford
  - Upwood
  - Waterbeach

Italy
- Aviano Air Base
  - Ghedi

Spain
- Moron – Base Maintenance Contract

Turkey
- Incirlik – Base Maintenance Contract

Supporting GeoIntegration Offices
GeoBase Organizational Structure

**USAFE:**
- Central Spatial Repository (quarterly roll-ups) for all MOB’s and GSU’s
- Develop, build and maintain data standards
- Application development, QA/QC and deployment

**MOB’s and GSU’s:**
- Build, acquire and maintain current CIP data
- EA GIS, GPS training support
- Recommend, test and deploy applications
Unified GeoBase Personnel Structure

USAFE HQ: Geointegration Office – Project Manager
4 cross-functional contractors

GIS Analyst
GIS Analyst & Web Developer
Database Admin
GIS Analyst & System Admin

GeoBase/GeoReach
GeoBase/GeoReach
GeoBase/GeoReach
GeoBase/GeoReach

Unclassified
GeoReach GIS Analyst:

- Provides support to multiple directorates in a classified environment (i.e., CEP, LGXX, 3rd Air Force, 16th Air Force)
- CIP development and maintenance for forward operating locations
  - Acquire imagery
  - Build and maintain CIP data
- Integrate data from the STEP, AFIF, and other databases into the CIP
USAFE GIO Personnel Functions

• Web Developer / GIS Analyst:
  - ArcIMS administration
  - Build and maintain USAFE GeoBase/GeoReach website
  - QA/QC contract deliverable’s code
  - Provide support for base-level GIO’s/EA’s on ArcIMS issues
  - Web standards
  - Build applications
Database Administrator:

- Oracle/ArcSDE installation and configuration
- Oracle administration, maintenance and troubleshooting
- ArcSDE maintenance and troubleshooting
- Data architecture standards
- Provides support and technical oversight to base-level GIO’s
- ArcSDE & database administration training
USAFE GIO Personnel Functions

Systems Administrator / GIS Analyst:

- Track equipment, licenses and maintenance agreements (ESRI and AutoDesk)
- Software security updates and patches
- PKI certificate acquisition and installation
- Provides base-level support & technical oversight
- System administration training
- CIP development and maintenance for expeditionary sites
  - Acquire imagery
  - Build and maintain CIP data
Base-level GeoBase Personnel Structure

Cross functional positions: GIS/GPS/DB/SA/Web

Cross-functional GIOs + Engineering Assistants

Base-level GIS Implementation
Base-level GeoBase Personnel Structure

Base-level GIO:

- Maintain ArcIMS website
- CIP development and maintenance for expeditionary sites
  - Acquire imagery
  - Build and maintain CIP data
- Synchronization with USAFE HQ
- Deploy, maintain and recommend applications
- Base-level GIS/GPS support and training
- QA/QC contract spatial component submittals
- Technical oversight of contract support
- GPS, GIS, DB, web and SA training
USAFE GeoBase Flight Path

- Maintain ESRI 8.2, Oracle 8i, SDS 2.21 platform through 2nd QT FY 04
- Build, acquire and maintain spatial data using above platform
- Migrate to ESRI 9.X, Oracle 9i, SDS 2.X platform 3rd QT FY 04
- Migrate data and applications 2nd and 3rd QT FY 04 to support platform shift
- Change contract language 2nd and 3rd QT FY 04 to support platform shift
USAFE GeoBase Website

Enter your username and password below:
User Name: [blank]
Password: [blank]

Log In

First time and new users of GeoBase
Become a member by clicking here.

Having trouble logging into the GeoBase website click here.
USAFE GeoBase Basic Viewer

[Image of a map viewer interface]

Advanced Viewer: Click to activate
Questions?