Headquarters U.S. Air Forces in Europe

"Bring Your Courage"

GeoReach/Expeditionary Site Mapping



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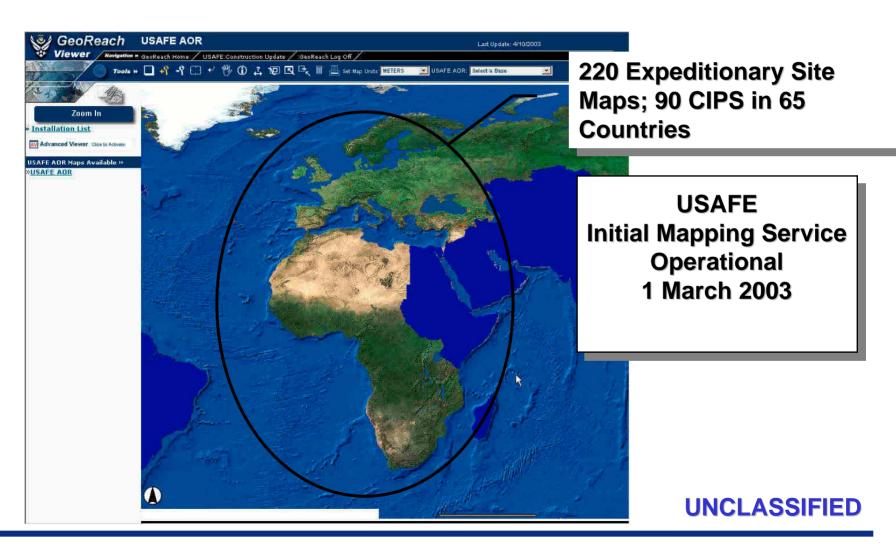


Overview

- USAFE GeoReach Program
- Update on Expeditionary Site Planning Portal (ESP2)



USAFE GeoReach Status



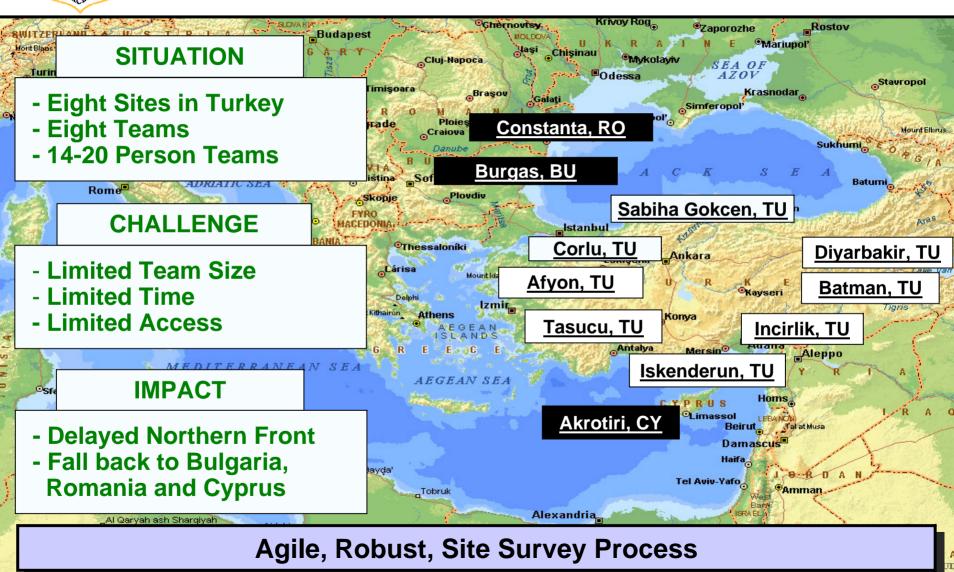


GeoReach Current Status

- USAFE developing Air Force GeoReach Graphic User Interface
- Initial GUI was developed using existing USAFE resources
 - Sent out to AF/ILEX,PACAF, and ACC for review in Oct 03
 - Estimated cost to develop finalized GeoReach GUI is \$75,000
 - Funding was received by USAFE March 04
 - Contract awarded to CH2M Hill April 04
 - Estimated completion date Oct 04
 - Will be closely coordinating this deliverable with AF/ILEX, PACAF and ACC
 - Meeting held onsite at USAFE with ACC June 04 to help develop a standardized data architecture between the CAFS



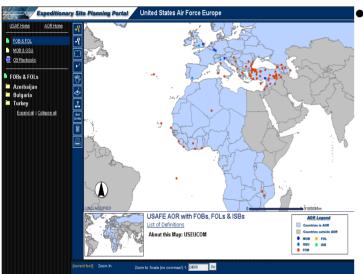
OIF Lessons Learned





Overview - What is the Expeditionary Site Planning Portal (ESP2)

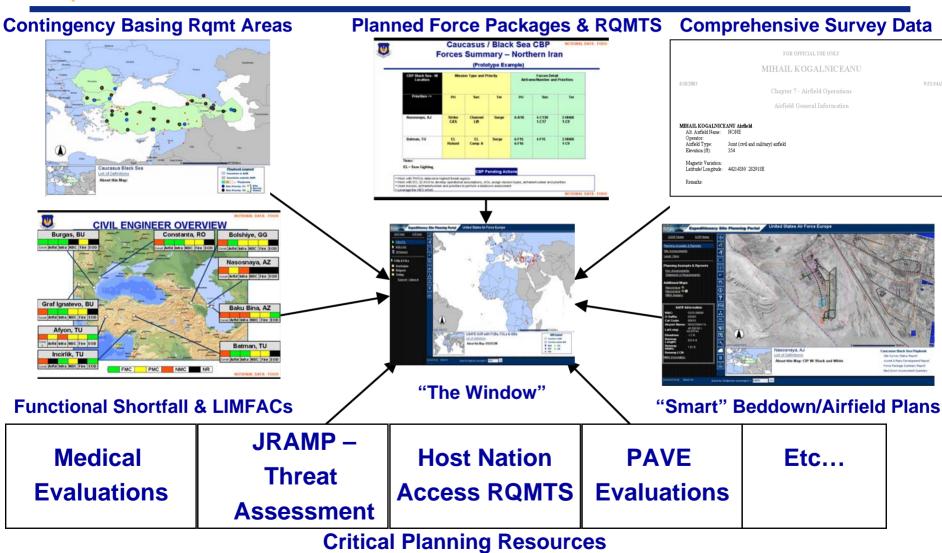
- A "one-stop" site for access critical planning resources
- An integrated view into XP, DO, LG and CE ESP efforts, such as base access plans



- Incorporates the Contingency Basing Playbook which:
 - Uses XPZ contingency basing requirements areas
 - Associates missions/forces to expeditionary sites
 - Prioritizes site survey activities
 - Drives comprehensive beddown assessments
 - Creates site "statement of requirements"
- A collection of "smart" beddown maps/plans
- Implements the USAFE Basing Strategy 2020 Expeditionary Basing Playbook concept
- A flexible technology environment allowing integration to databases and websites



"Improving Situational Awareness Through An Integrated View"





ESP2 Vision

Provide war planners a one-stop collaborative decision support system to facilitate timely and thorough "use" analysis and assessments of potential beddown sites based on pre-existing site surveys, airfield databases and authoritative information sources

- Design, develop and deploy a user-friendly system capability to enable the Agile Site Planning concepts and to ensure system sustainability.
- Improving Situational Awareness Through and Integrated view



Expeditionary Site Planning Portal

- USAFE/A4 promised \$172,000 to further develop ESP2 Prototype only funded \$122,000
- Vision of ESP is to "Provide war planners a one-stop collaborative decision support system to facilitate timely and thorough "use" analysis and assessments of sites based on preexisting site surveys, airfield databases and authoritative information sources."
- Web Based tools are being developed to support the vision: Operations suitability analyzer and querying tool, Contingency Basing Playbook builder, Statement of Requirements Analyzer, and Beddown Analyzer
- Alpha version completed future development on hold due to funding limitations



Overview of Creating Smart-Maps

Flexible level of effort tailored to deliberate and crisis action planning process







"Dumb" Map

- Initial image of the site
- Published to portal, one hour
- Inherent links relevant to site

"Semi-Smart" Map

- Use "Best Available" imagery
- Extract map features
- Features attributed with NIMA AAFIF data
- Preliminary bed-down plans

Not just a smart map, but a 'smarter' map

"Smart" Map

- Refinement based on:
 - Statement of Rqmts
 - Refined MWS
 - Tailored UTCs
- Detailed visualization
- Results of site survey



ESP2 Performance Objectives

- 10-15 Potential Sites Within 2hrs Based on Set Criteria;
 - Reduced to 3-5 Sites Based on Expanded Criteria
- Complete Preliminary Beddown Assessment (PBA) for Candidate Sites
 - For Pre-identified Core Sites, Complete Within 4hrs of Notification
 - For Unidentified Sites, 24hrs
- Develop Initial Smart-map Within 24 Hours of Completing Pre-deployment Site Survey (PDSS)
- Accomplish PDSS With 6- 8 Team Members Within 2 Days
- Manages ESP2 Contents Tailored to a Given Operation
 - Initial Playbook in 7 Days During Crisis and 4 Weeks During Deliberate Planning

Ops Suitability Query & Analyzer

Beddown Analyzer

SOR Generator

GeoReach

Site Survey Planner

Contingency Basing Playbook
Builder

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ESP2: AN EXTENSION OF THE GEOREACH PLATFORM

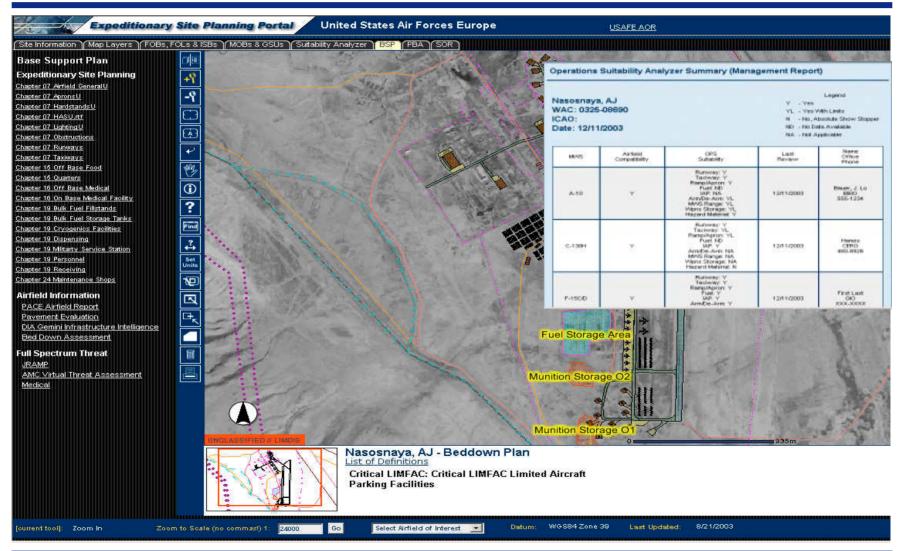


Operations Suitability Analyzer



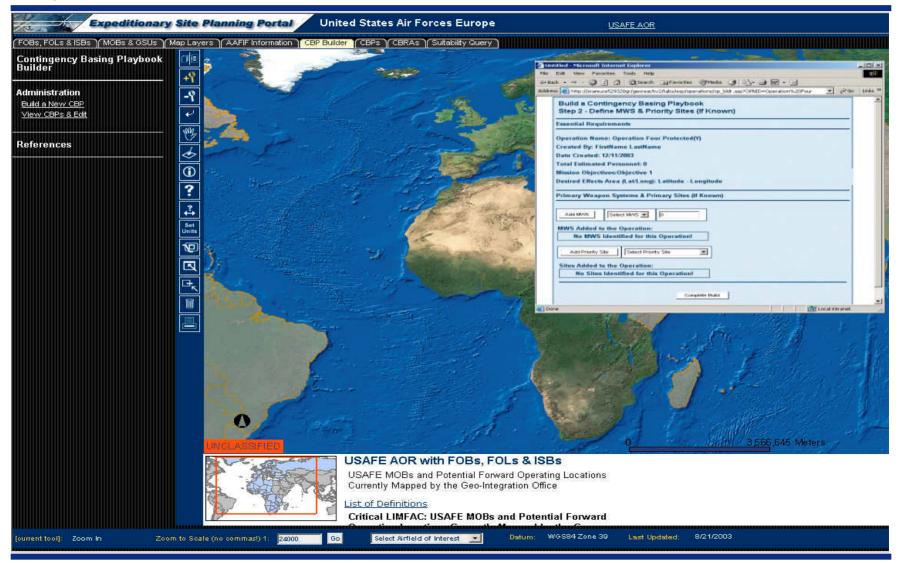


Operations Suitability Summary Report





Contingency Basing Playbook (CBP) Builder





Initial Feedback

- JFACC Exercise Austere Challenge 04- USAFE Warfighting HQ Certification
 - ESP2 Provided Quick Access to Maps and Site Survey Data
 - Facilitated Faster Beddown Assessments Supporting COA Development
 - Quicker Assessments = Quicker Decision-making for War Planners
- EUCOM Transformation
 - Provided One-stop Site for Survey Data Supporting ECJ5
 - Access to Pre-existing Data Focused Working Group Efforts
- AFEUR A33 JOPES Cell Chief: "I Wish We Had This During OIF...a Definite Timesaver"
- AFEUR CC: "This Is Good Stuff...Exactly What We Need"





QUESTIONS?