

Integrated Training Area Management



U.S. ARMY
EUROPE

STEWARDSHIP REPORT 2013



OUTREACH FROM THE JOINT MULTINATIONAL TRAINING COMMAND

LETTER FROM THE COMMANDER



"JMTC's commitment to environmental stewardship remains steadfast."

I am pleased to present the annual Stewardship Report on the U.S. Army Europe (USAREUR) Integrated Training Area Management (ITAM) program for 2013.

Headquartered in Grafenwoehr, Germany, the 7th Army Joint Multinational Training Command (JMTC) serves as USAREUR's forward-based Training Support Command and provides world-class training of forces and leaders. JMTC's state-of-the-art training platforms, coupled with close proximity to European, Asian and African partners, ensures U.S. and multinational forces prevail while laying the foundation to prevent future security challenges.

JMTC's key resources are the 57,000 acre Grafenwoehr Training Area, which offers the largest and most dynamic live-fire training facility in Europe, and the neighboring 40,000 acres of challenging maneuver training terrain at the Joint Multinational Readiness Center Hohenfels Training Area.

The ITAM program is responsible for providing sustainable and balanced stewardship of USAREUR's training land platform. This stewardship is possible through both the substantial investment the U.S. Army has made into the training land assets and the outstanding support JMTC receives from the many host nation and multinational stakeholders involved in training area management.

JMTC's commitment to environmental stewardship remains steadfast. The Command's intention is to provide a candid assessment of our achievements and challenges. We are always pleased to receive any feedback; the details of how to contact the ITAM program can be found on the contents page.

Strong Soldiers, Strong Teams!!

WALTER E. PIATT
Brigadier General, U.S. Army
Commanding

"We will continue to shape the environment, in AFRICOM and in EUCOM, as well as CENTCOM. Units in USAREUR can help us do this; that's what building partner capacity is about.

It's about the combination of exercises at all levels...Building military to military, Army to Army relationships with many nations."

Gen. Raymond T. Odierno
Chief of Staff of the United States Army

INTEGRATED TRAINING AREA MANAGEMENT (ITAM)



ITAM is a management and decision-making process that integrates training and other mission requirements for land use with sound natural resource management practices.

ITAM is a core program under the Army's Sustainable Range Program (SRP) under the direction of the Chief, Training Support Systems (TSS) Division (DAMO-TRS), Office of the Deputy Chief of Staff, G-3/5/7.

In USAREUR, responsibility for the ITAM program resides in Training Support Activity Europe under the 7th Army Joint Multinational Training Command (JMTC).

ITAM develops methods to maintain natural environments that are resilient and resistant to military use, provides capabilities to establish land condition monitoring on training lands (Range and Training Land Assessment), provides an awareness program for land users (Sustainable Range Awareness), provides means to apply training loads to land capabilities resulting in land management that avoids non-compliance with environmental laws that stop training (Training Requirement Integration and Geographic Information System), and sustains the Army's live training capability (Land Rehabilitation and Maintenance).

“Many Teams, Many Speeds, for Many Missions.”

USAREUR Commander's Intent
Lt. Gen. Donald M. Campbell Jr.
 USAREUR Commanding General



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<https://www.facebook.com/USAREUR.SRP>

WHERE WE FIT IN



U.S. Army Europe (USAREUR)

U.S. Army in Europe trains and leads Army Forces in support of U.S. European Command and Headquarters, Department of the Army by:

- » Training and preparing full spectrum capable forces for global employment
- » Strengthening alliances and building partner capacity and capability
- » Providing Army Service Component Command and Title 10 support
- » Continually seeking to improve the readiness and quality of life of our Soldiers, Army Families and Civilian workforce

Joint Multinational Training Command (JMTC)

Headquartered in Grafenwoehr, Germany, the 7th Army JMTC is the largest training Command outside the continental United States and is the only unified training command across the Army.

» Vision statement:

JMTC is a unique institution; efficiently and effectively providing innovative multinational training solutions for an uncertain future.

We Build Coalitions.

» Mission statement:

JMTC provides dynamic training; preparing forces to execute Unified Land Operations and contingencies in support of the COCOMs, NATO, and other national requirements.

Training Support Activity Europe (TSAE)

TSAE serves as the headquarters for USAREUR's Sustainable Range Program. The TSAE mission is to identify, acquire, manage and provide state-of-the-art home station, rotational and expeditionary training support and visual information capability as directed by USAREUR, in order to prepare Joint and Multinational forces to win in any operating environment, and serves as the JMTC point of contact for training support at installations outside the Grafenwoehr Military Community. Under TSAE, 13 Training Support Centers provide one-stop shops for the Soldier.

Sustainable Range Program (SRP)

The ITAM program and the Range and Training Land Program (RTLTP) comprise the U.S. Army's Sustainable Range Program. The mission of the SRP is to maximize the capability, availability, and accessibility of ranges and training land to support doctrinal training, mobilization, and deployments.

- 1 2nd Cavalry Regiment engineer training, Grafenwoehr.
- 2 As above.
- 3 USAREUR's 2013 Best Warrior Competition, Grafenwoehr.
- 4 Expert Field Medical Badge competition Grafenwoehr.



- 5 U.S. and Estonian partners train together, Poland.
- 6 10th Special Forces Group C-130 jump, Grafenwoehr.
- 7 2nd Cavalry Regiment counter-IED training, Grafenwoehr.
- 8 Dutch Soldiers train in a JMTC virtual world, Grafenwoehr.



TENETS

» Outreach

Provides an outlet to explain to the public why training activities are essential to the U.S. Army's mission and to what extent the U.S. Army invests in land and resource stewardship. Outreach ensures that the U.S. Army understands public perception and concern of U.S. Army activities, and that the community is kept well informed as regards U.S. Army training and range operations.

» Integrated Management

Ensures that management is functioning correctly, such that ranges and land assets are integrated effectively into supporting the training mission. As indicated in the name, the ITAM program works co-operatively with multiple stakeholders, such as the Training Command, the Garrison Command, the host nation military, the local environmental authorities, and the surrounding local population.

» Information Excellence

Ensures the U.S. Army is using the best available information and science to support its ranges and land assets. Information excellence also ensures that the U.S. Army has an increased understanding of the environmental impacts of live-fire and maneuver training.

PRIORITIES

» Relationships

Partnerships with U.S. and multinational stakeholders are the cornerstone of all ITAM activities. ITAM, in partnership with Garrison Environmental Offices, German Federal Forestry, and other key stakeholders, have had a busy 2013 supporting critical land repair projects, monitoring flora and fauna, creating innovative geospatial based tools and applications, increasing environmental awareness and, most importantly, supporting an evolving military training mission.

» Innovation

ITAM has pioneered best management practices and innovative technologies that are now recognized across the land management profession as standards for sound environmental stewardship. TAP IN, a Google Maps type application providing one stop access to training resources, and the six USAREUR Sustainable Range Program Mobile applications are examples of USAREUR ITAM's commitment to a paradigm shifting approach.

» Efficiencies

Through strong support from USAREUR's training land stakeholders, including the Garrison DPWs, troop construction, and German Federal Forestry, significant cost efficiencies were realized for a variety of Land Rehabilitation and Maintenance (LRAM) projects. ITAM was able to leverage labor and equipment to cut LRAM costs by over 50% compared to past projects.

COMPONENTS

» Training Requirements Integration

Provides a training support procedure that integrates training requirements with management of natural and cultural resources.

» Range and Training Land Assessment

Characterizes and monitors an installation's natural resources, geospatially and temporally.

» Land Rehabilitation and Maintenance

Implements preventive and corrective land repair projects that ensure availability, accessibility and capability of training lands.

» Sustainable Range Awareness

Promotes visibility of environmentally sensitive issues and instills a stewardship ethic among unit commanders, ground troops and neighboring communities.

» Geographic Information System

Provides accurate, complete and standardized spatial data. GIS data and products adhere to Federal, DoD and Army spatial data standards.

1 Earth Day, Ansbach.

2 SRP Workshop training session, Grafenwoehr.

3 Military Installation Map (MIM) Production.



4 U.S. allied partners patrol, Drawsko Pomorskie Training Area, Poland.

5 173rd Infantry Brigade Combat Team (Airborne) participates in Rotation 14-01A, Grafenwoehr.

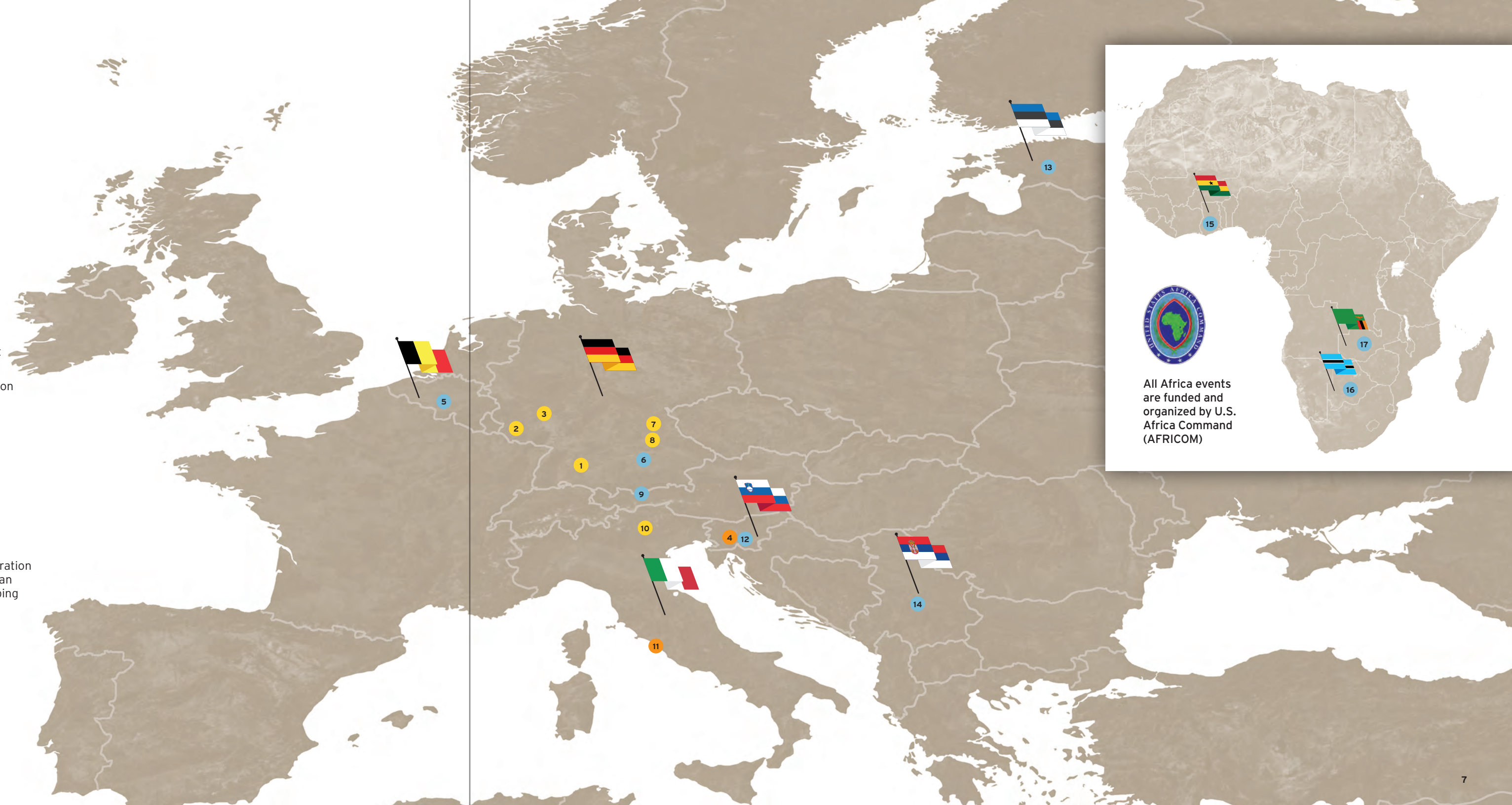


ITAM 2013 WHAT AND WHERE?

- Full ITAM Support including Land Repair
- Partial ITAM Support including GIS
- ITAM Event including Theater Security Cooperation

- 1 STUTTGART**
Musberger Weg Maneuver Trail Repair
- 2 BAUMHOLDER**
Aerial Imagery Acquisition; Installation Special Map Produced
- 3 WIESBADEN**
Installation Special Map Produced
- 4 POCEK**
GIS / GPS Mapping Site Visit
- 5 BRUSSELS**
NATO Environmental Protection Working Group
- 6 INGOLSTADT**
NATO Environmental Training Specialist Team Meeting at the Military Engineer Centre of Excellence
- 7 GRAFENWOEHR**
Training Land Reactivation and Land Repair; Mortar Firing Point Rehabilitation and Decompaction; Upgrade and Maintenance of Troop Marching Trail; GIS / GPS Mapping Site Visits; SRA events
- 8 JMRC HOHENFELS**
Mitigate Safety Obstacles; Erosion Control Areas A, B, and C; Repair Training Damages; Maneuver Corridor Repair; Replicated Agricultural Terrain; Maintain Drop Zones

- 9 OBERAMMERGAU**
Instructional Support to the NATO School
- 10 CAO MALNISIO**
Vegetation Sustainment
- 11 SANTA SEVERA**
Aerial Imagery Acquisition
- 12 SLOVENIA**
Theater Security Cooperation Event
- 13 ESTONIA**
Theater Security Cooperation Event
- 14 SERBIA**
Theater Security Cooperation Event
- 15 GHANA**
Theater Security Cooperation Support to the Kofi Annan International Peacekeeping Training Center
- 16 BOTSWANA**
Theater Security Cooperation Event
- 17 ZAMBIA**
Theater Security Cooperation Event



All Africa events are funded and organized by U.S. Africa Command (AFRICOM)

NATO INTEROPERABILITY

USAREUR ITAM remains an active member in the NATO Environmental Protection Working Group (EPWG), with a scope that includes all aspects of environmental security monitoring, operational environmental protection, environmental standardization, environmental management systems, environmental awareness, environmental protection training, and sustainability of military training areas.

A key product of recent work is Standardized Agreement 2549 titled "Best Environmental Protection Practices for Sustainability of Military Training Areas". This document strongly supports NATO's increased emphasis on training events and exercises by presenting best practices for sustaining military training lands that maximize their capability, accessibility and availability in support of military training in the presence of environmental regulations.

USAREUR ITAM representatives are also leading the NATO EPWG efforts to draft a document titled "Standards of Proficiency for Environmental Protection Officers for NATO-led Military Activities", to establish standards of proficiency for Environmental Protection (EP) Officers and to provide guidance to designated NATO Commanders on EP Officers' capabilities.



NATOChannel.tv

NATO READINESS

In support of NATO's Connected Forces Initiative which ensures that Allies can communicate, train and operate together effectively, USAREUR ITAM has provided mapping and environmental education products to multiple NATO training events and exercises.

The Geographic Information System component under USAREUR ITAM has been very active providing geospatial mapping support and Soldier's Field Cards were specially produced for NATO Exercise Steadfast Jazz 13.



“It's about establishing strong relationships with our partner armies in Europe. It's outreach to these new partners, specifically those in the old Eastern Bloc that are now working very closely with us. Everything is about relationships.”

GEN. Raymond T. Odierno,
Chief of Staff of the United States Army



- 1 NATO Steadfast Jazz 13 exercise commenced on Nov 2, 2013.
- 2 A multinational color guard.
- 3 A French army Soldier plots a course on a map.
- 4 The crew of a Polish army Wolverine Armoured Personnel Carrier practice dismounting and taking up defensive positions.



FOCUS ON AFRICA

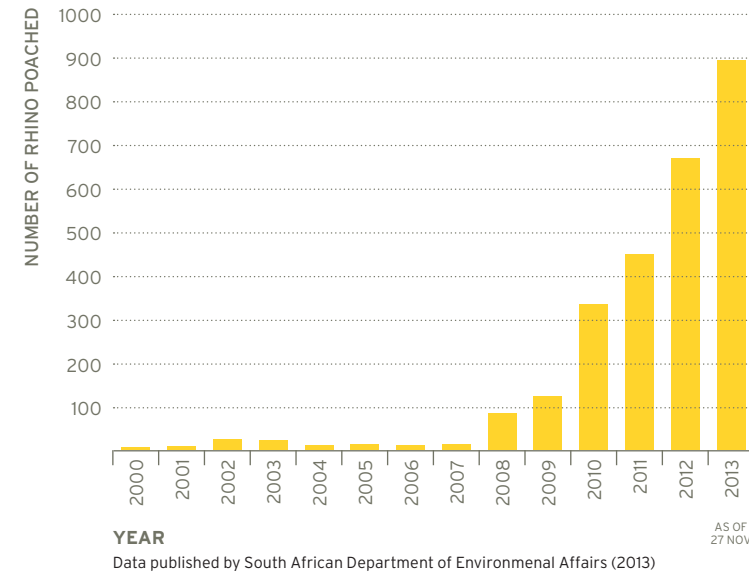
The Africa Command (AFRICOM) Environmental Security Program hosted events in 2013 with Government Agencies and the Defense Forces in order to raise awareness and encourage cooperation between military and civilian organizations in the Southern Africa Region.

Discussion topics included regional Environmental Security challenges, international environmental security, wildlife trafficking and anti-poaching operations, conflict prevention and environmental peace-building, environmental consideration during military operations, partnership between military and civilian stakeholders, and sustainable management of military training ranges.

In the past decade the Defense Forces' missions have increasingly focused on anti-poaching activities, disaster-preparedness and response (including search and rescue), support to civil authorities and foreign peacekeeping.

An effective legal framework and strong law enforcement capacity (supported by the defense sector) are critical to stopping wildlife trafficking activities. Equally important is the awareness and engagement of the broader public in working to protect Southern Africa Region's wildlife resources. The events highlighted the need for long-term commitment / continued engagement with Southern Africa Region stakeholders in order to assist with Environmental Security capacity building.

RECORDED NUMBER OF RHINOCEROSSES POACHED IN SOUTH AFRICA



- 1 African giraffe populations decreased 40% since 1999 (IUCN).
- 2 Botswana Defense Force Zoo educates Soldiers on animal safety.
- 3 Poaching and habitat loss have kept illegal killing of elephants widespread.
- 4 AFRICOM environmental security seminars bring military and non-military experts together.








Regional Defense Forces in the Cubango-Okavango Trans-boundary Basin Area, shared by Angola, Namibia, Botswana, Zambia and Zimbabwe, have become increasingly involved in Anti-poaching operations.

Wildlife trafficking in this region threatens security and the rule of law, undermines conservation efforts, robs local communities of their economic base and their heritage, and contributes to the emergence and spread of disease. Combating this illicit trade and the associated criminal networks that support it is only possible through coordinated global action, both to reduce demand and to improve the ability of nations to protect their borders and their vital natural resources.

2013 EVENTS

The ITAM program continued to support a variety of awareness events throughout USAREUR in 2013. ITAM's participation ranged from event hosting to providing presentations and / or training sessions.

Event	Dates	Location	Partner
Theater Security Cooperation Event	1/14/2013	Slovenia	
Theater Security Cooperation Event	2/6/2013	Ghana	
Theater Security Cooperation Event	2/25/2013	Botswana	
Theater Security Cooperation Event	4/3/2013	Zambia	
EUCOM / AFRICOM Defense & Intel User Group Meeting	6/17/2013	Stuttgart	
RTLP/GIS Support Visit	7/30/2013	Estonia	
Defense Geospatial Intelligence Conference	1/21/2013	London	
Military Land Sustainability Conference	1/23/2013	Vienna	
NATO School	5/9/2013, 10/17/2013	Oberammergau	
Bundesforst Workshop	6/17/2013	Elfershausen	
Esri User Conference	7/8/2013	San Diego	
NATO Environmental Training Specialist Team	9/23/2013	Ingolstadt	
Esri Europe, Middle East and Africa Conference	10/23/2013	Munich	
Esri Developer Summit Europe	11/11/2013	London	
NATO Environmental Protection Working Group	12/9/2013	Brussels	
Congressional Visit	1/25/2013	Grafenwoehr	
JMRC Training Area Working Group	1/31/2013, 3/28/2013, 6/20/2013, 9/19/2013, 12/17/2013	Hohenfels	
ITAM Program Management Review	4/22/2013, 8/26/2013	Fort Eustis	
ERDC-CERL Site Visit	5/6/2013	Grafenwoehr	
RTLP/GIS Support Visit	9/9/2013	Serbia	
Grafenwoehr Scheduling Conference	2/13/2013	Grafenwoehr	
Company Commander First Sergeant Course	3/6/2013, 4/17/2013, 5/15/2013, 8/21/2013, 11/21/2013	Grafenwoehr	
ITAM Viewer Training	3/7/2013, 4/10/2013	Grafenwoehr	
Grafenwoehr Range and Training Area Working Group	3/13/2013, 6/25/2013, 9/11/2013, 12/11/2013	Grafenwoehr	
Hohenfels Bundesforst GPS Training	3/15/2013	Hohenfels	
Armed Forces Network Morning Show	3/15/2013, 4/5/2013, 4/12/2013	Grafenwoehr	
GIS Site Visit and Mapping	3/20/2013	Del Din and Aviano AFB	
S.T.E.M Night	3/27/2013	Hohenfels	
Rugged Terrain Obstacle Run	4/13/2013	Grafenwoehr	
Ecological Stewardship Display	4/16/2013, 7/1/2013, 1/7/2013	Grafenwoehr	
Earth Day	4/22/2013	Ansbach	
SRP GIS Users Working Group	5/22/2013	Wiesbaden	
Soldier's Info Expo	5/23/2013	Baumholder	
Unit Training Management Course	9/13/2013	Vilseck	
Soldier's Info Expo	9/24/2013	Grafenwoehr	
USAREUR Installations Geospatial Working Group	10/17/2013	Grafenwoehr	
USAREUR EQCC	11/6/2013	Wiesbaden	
Grafenwoehr Environmental Resource Tour	11/7/2013	Grafenwoehr	
U.S. Ambassador to Germany Visit	11/8/2013	Grafenwoehr	
NGA Site Visit	11/26/2013	Stuttgart	

Grafenwoehr Rugged Terrain Obstacle Run

Grafenwoehr, 13 April 2013

More than 670 runners from all over Europe braved the cold and the mud to participate in the inaugural Grafenwoehr Rugged Terrain Obstacle Run. The grueling 13km, 13 obstacle course centered around the Grafenwoehr Training Area's Rugged Terrain Trail.



2013 Grafenwoehr Soldier's Information Expo

24 September 2013

USAREUR ITAM setup an information booth and distributed ITAM Product Catalogs, SRP RSC Pamphlets, Europe Training Facilities Guides, ITAM Viewers and 2012 Stewardship Reports.



U.S. Ambassador to Germany Visit

Grafenwoehr, 8 November 2013

The new U.S. Ambassador to the Federal Republic of Germany, the Honorable John B. Emerson and his wife, Mrs. Kimberly Emerson (center) toured the facilities of the 7th Army Joint Multinational Training Command.



STAKEHOLDER PARTNERSHIPS

The ITAM program works cooperatively with multiple stakeholders, such as the Training Command, the Garrison Command, the host nation military, the host nation forestry and environmental authorities, and the surrounding local population.

None of the accomplishments cited in this report could have been achieved without the support of the Command and dedication of ITAM's valued partners. Successful partnerships lead to cost efficiencies, effective projects, and win-win scenarios for the environment and military training.

WORKING GROUPS

Training Area Working Groups
Training Area Working Groups (TAWG) are a critical function in meeting the Sustainable Range Program's principle of Integrated Management. The TAWG intent is to establish and maintain strong communication between the DPW host nation, USAREUR SRP, and the tactical community.

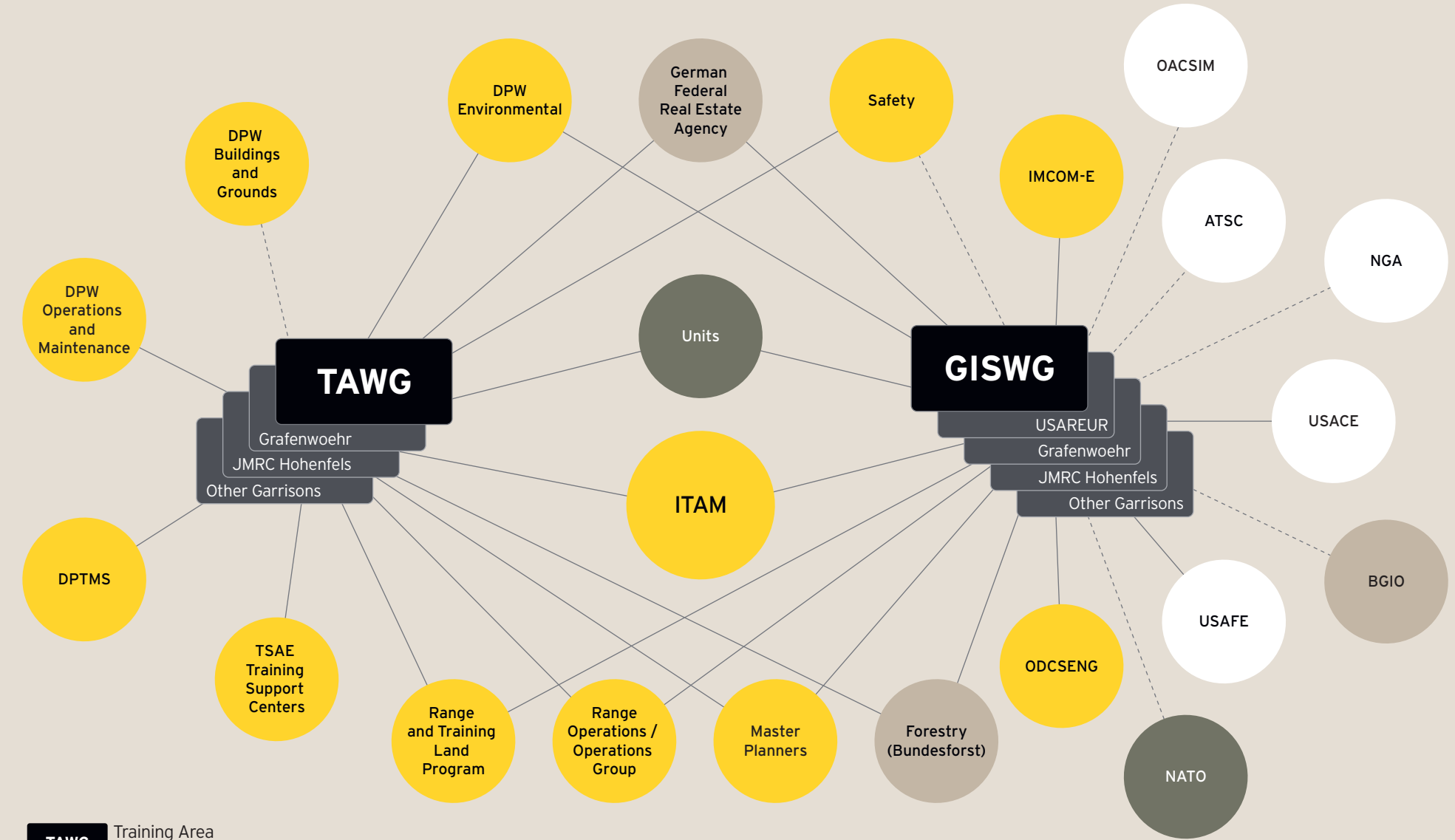
2013 Grafenwoehr TAWG meetings:
13 March, 25 June, 11 September, 11 December.

2013 JMRC Hohenfels TAWG meetings:
31 January, 28 March, 20 June, 19 September, 17 December.

2013 highlights of TAWG meetings have been providing Command recommendations on co-use agreements, off limits area management, activity and task prioritization and de-conflicting training events with projects.

2013 USAREUR GIS Working Groups:
22 May, 17 October.

Geographic Information System (GIS) Working Groups
As in past years, ITAM GIS has taken a leadership role in organizing and executing USAREUR GIS Working Group meetings.



TAWG Training Area Working Group

GISWG Geographic Information System Working Groups

● Host nation ● Tactical units — Members
● USAREUR ● Others - - - - Coordination

- ATSC: Army Training Support Center
- BGIO: Bundeswehr Geo Information Office
- DPTMS: Directorate of Plans, Training, Mobilization and Security
- DPW: Directorate of Public Works
- IMCOM-E: Installation Management Command Europe
- NGA: National Geospatial Intelligence Agency
- OACSIM: Office of the Assistant Chief of Staff for Installation Management
- ODCSENG: Office Of The Deputy Chief Of Staff, Engineer
- TSAE: Training Support Activity Europe
- USACE: U.S. Army Corp of Engineers
- USAFE: U.S. Air Force Europe

- 1 Over 100 military and non-military stakeholders attend the annual SRP Workshop.
- 2 German Federal Forestry is a key land management partner for all ITAM activities.
- 3 Hohenfels Science, Technology and Math Night



2013 BY THE NUMBERS

2 DISTINCT TYPES OF BRIGADE COMBAT TEAMS REMAIN IN EUROPE - STRYKER AND AIRBORNE

33 YEARS SINCE ITAM INITIATED LAND CONDITION MONITORING OF USAREUR TRAINING AREAS

51 COUNTRIES IN THE USAREUR AREA OF RESPONSIBILITY

52,400^{HA} TOTAL ARMY IN EUROPE TRAINING LANDS

60,000+

SOLDIERS (U.S. AND ALLIED) TRAIN AT THE JOINT MULTINATIONAL READINESS CENTER AT HOHENFELS ANNUALLY

77% OF ARMY IN EUROPE TRAINING LANDS DESIGNATED FLORA AND FAUNA HABITAT

61% OF ITAM'S 2013 FUNDING SUPPORTED LAND REPAIR AND MAINTENANCE

50% OF ITAM'S 2013 FUNDING SUPPORTED JMRC HOHENFELS ITAM ACTIVITIES

35% OF ALL 2013 LAND REPAIR ACTIVITIES SUPPORTED EROSION CONTROL MATERIALS

IN FY 2013, THE JMTC CONDUCTED **13** EXERCISES AT ITS FACILITIES AND SUPPORTED **22** OTHERS IN NEIGHBORING COUNTRIES.

IN FY 2014, THE JMTC IS PROJECTED TO CONDUCT **16** EXERCISES WITHIN GERMANY AND IS COMMITTED TO TRAINING MORE THAN **15,000** SOLDIERS FROM **27** COUNTRIES.

2013 GIS SUPPORT STATISTICS

67,150 Soldier's Field Cards printed for distribution throughout USAREUR	2,500 Draft Military Installation Maps printed to support training in USAREUR	4 RTLTP range modernization projects supported
336 GIS / MAP data requests submitted, processed and completed	15 New aerial and satellite imagery datasets acquired	39 Installation, industry and training events attended or hosted
20 GIS briefings or training sessions provided at Army workshops and other events in Europe and the U.S.	36 Site visits to USAREUR and host nation training areas for GIS data collection, coordination and validation	17 SOPS, reports and Best Management Practice (BMP) documents created
71 Technical GIS support requests completed	1,730 ITAM Viewer DVD sets distributed throughout USAREUR	13 New or updated Soldier's Field Cards created

2013 USAREUR WEBSITE STATISTICS:

751,286 Hits	212,182 Page views	12,416 Visits	3,946 Unique visitors
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2013 MOBILE APP DOWNLOAD STATISTICS:

SOLDIER'S FIELD CARD	ENVIRONMENTAL OFFICER GUIDE	ARM MOBILE	TOTAL DOWNLOADS
935 iOS (Apple)	259 iOS (Apple)	1,363 iOS (Apple)	2,557 iOS (Apple)
156 Android	68 Android		224 Android

PROJECT CATALOG

“I empower leaders at all levels to plan, conduct, and oversee tough, realistic training”

Lt. Gen. Donald M. Campbell Jr.
USAREUR Commanding General



Strong support from both Department of the Army and U.S. Army Europe enabled USAREUR ITAM to execute multiple, high impact projects. ITAM Coordinators and Training Support Center staffs were responsible for coordination and management of 19 land management projects covering most of USAREUR’s training areas.

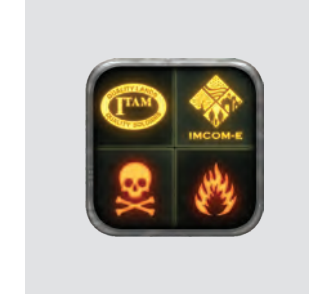
The project catalog provides a broad overview of how ITAM is increasing the availability, accessibility and capability of USAREUR’s training areas.

MAJOR AND LOCAL TRAINING AREAS
GIS



TAP IN

Launched a new NIPR web mapping application similar to Google Maps. Users can search training support facility locations, view facility-specific information, download PDFs (i.e. SOPs, handbooks, access maps), and query real-time and future RFMSS (Range Facility Management Support System) scheduling data for all USAREUR training facilities. TAP IN can be hosted on any CAC web portal or SharePoint site and can be scaled to satisfy unique user requirements.



Environmental Officer App

Released free app in 2013 that is a must have for environmental officers. The app displays environmental guideline references, fire and spill responses, lists point of contacts, and guidelines for HAZMAT management.



Aerial Imagery

Procured 2013 aerial imagery (0.20m true color) of MTAs and select LTAs in order to update the USAREUR GIS repository.

GRAFENWOEHR
LRAM



Upgrade and Maintenance of Troop Marching Trail

Upgraded and maintained Troop Marching Trail training asset in support of ruck marching and physical fitness training requirements. Approximately 5km of trail was upgraded in 2013.



Training Land Reactivation and Land Repair

Repaired and maintained maneuver area, training land (RZ, PA, STX), and associated maneuver trails. Work included removing encroaching vegetation, flattening training vehicle induced ridges and gullies, stabilizing land area and trails with soil and grass seed and/or gravel as needed to minimize erosion.



Driver's Training Course

Repaired land and obstacle damages associated with on-going driver's training events. Maintenance and repairs were completed on an as-needed basis throughout the fiscal year.



Upgrade Drainage at the Sod Strip

Reconfigured existing drainage at the Sod Strip training area to eliminate water saturation issue; ensured that ground requirements for helicopter take-off are met and risk of pilot injury and engine failure and subsequent equipment damage is minimized.



NCOA Kiosk Support

Kiosk capability has been added to the NCOA. The TSAE Kiosk gives the user the ability to create new maps using the ITAM Viewer, obtain information on TSC assets, Deployable Instrumentation System - Europe (DISE), and the Training Aids Production Center (TAPC).

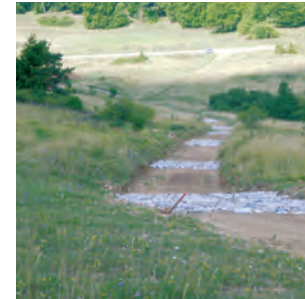
GRAFENWOEHR
GIS

JMRC HOHENFELS
LRAM



Mitigate Safety Obstacles

Application of a dust palliative on approximately 35-40 kilometers of maneuver trail in high traffic areas to enhance safety for troops training in the area.



Maneuver Corridor Repair

Repaired maneuver trails and other maneuver related damages within open maneuver space in areas A and B. Also included removal of woody vegetation to improve line of sight and accessibility within maneuver area.



Replicated Agricultural Terrain

Provided irregular crop fields, drainage ditches, terracing and other land cover complexities in an area adjacent to Schwend urban operations site in order to replicate the operational environment anthropogenic conditions.



Repair Training Damages

Repaired damages to basins, dams or other erosion control infrastructure that result from heavy maneuver training activities (off-road). Damages included broken culvert aprons, damaged basin spillways or damaged clay lining.



Erosion Control Areas A, B, and C

Erosion control repair of maneuver trails in forested areas was performed to provide natural obstacles, cover and concealment in Areas A, B, C. The project included repair of trails east of Checkpoint 4, near Basin B11, west of Checkpoint 48, south of Checkpoint 42, east of Checkpoint 20, and South Basin J84.



Maintain Drop Zones

Included removal of woody vegetation growth, repair soil erosion, removed abandoned equipment / targets within drop zone Hohenfels to enhance safety. Also maintained primary maneuver trails and access points to drop zones to provide a quick and reliable route to evacuate the area during times of emergencies or military operations.



DRAWSKO POMORSKIE, POLAND
GIS



Steadfast Jazz Soldier's Field Card

The Soldier's Field Card was designed especially in support of the NATO exercise Steadfast Jazz. The card provides essential guidelines on the training area usage: vehicle movement; petroleum, oil and lubricants handling; and fire prevention. The Soldier's Field Card also includes MEDEVAC procedures, radio frequencies, emergency phone numbers, and a training area reference map for Drawsko Pomorskie.

BULGARIA
GIS



Novo Selo Soldier's Field Card

The Soldier's Field Card provides essential guidelines on the training area usage: vehicle movement; petroleum, oil and lubricants handling; and fire prevention. The Soldier's Field Card also includes MEDEVAC procedures, radio frequencies, emergency phone numbers, and a training area reference map for Novo Selo.

USAREUR
GIS



Product (Large Format) Reproduction

Maps were reproduced in large format (e.g. scale 1:25K) for distribution through the Training Support Centers and Range Operations. Other ITAM Training Support Products were also produced, to include Soldier's Field Card, Leader Handbooks, ITAM Viewers, and Installation Specials.

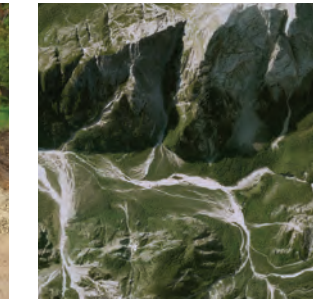
STUTTGART
LRAM



Musberger Weg Trail Repair

Repaired surface of maneuver trail by filling potholes and applying gravel as required, reshape trail by crowning to allow proper drainage, clean drainage ditches and culverts on either side of trail to prevent further erosion. Total length of trail repair is 1,881 meters.

ITALY
GIS



Aerial Imagery

Procured aerial imagery (0.20m true color) for Santa Severa Range west of Rome and south of the Monte Romano MTA. The range is located on the beach and can support up to .50 cal.

CAO MALNISIO, ITALY
LRAM



Vegetation Sustainment

Sustainment of 750m of Vegetation Screening by watering in order to facilitate erosion control.

AUTHORITATIVE RESOURCES

Information Excellence and the Importance of GIS
 ITAM relies on the power of GIS to achieve Information Excellence. GIS provides information dominance by delivering the most accurate and complete spatial data sets through user-friendly products and applications.



The products shown on the following pages are produced and distributed through the USAREUR Training Support Centers and the Grafenwoehr SRP Regional Support Center free of charge to U.S. Soldiers and DoD civilians. Their further distribution is restricted.

PRODUCTS AND SERVICES

Web Services



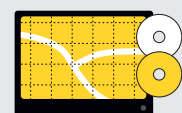
TAP IN
 Similar to Google Maps, search training support facility locations, view facility-specific information, download pdfs (i.e. SOPs, handbooks, access maps), and query real-time and future RFMSS (range facility management support system) scheduling data for all USAREUR training facilities.

Mobile Apps



ARM Mobile App
 Includes all USAREUR training areas, training area gate locations, Esso gas stations, and standard topographic or aerial image maps. It supports navigating to those hard to find training area gates - includes gate to gate routing!

Media



ITAM Viewer
 A 5 DVD set of geospatial data covering all USAREUR training areas and ranges. Set includes training areas in Germany (incl. Bundeswehr), Italy, Romania, Bulgaria, and many other training sites throughout Europe and Africa.

Hardcopy

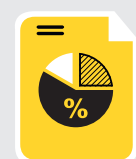


Raised Relief Maps
 3D plastic-molded maps that depict contoured landscapes using high resolution digital terrain models. Available for: Grafenwoehr Training Area, JMRC Hohenfels, Afghanistan provinces (Kabul, Kunar, Paktika), Europe, Africa, N. Africa, Middle East, and the Caucasus region.



Soldier's Field Cards
 Essential environmental guidelines on training area usage; vehicle movement; petroleum, oil and lubricants handling; and fire prevention. Field cards also include MEDEVAC procedures, radio frequencies, emergency numbers, and a training area map.

Custom / Report



Custom Maps
 Maps tailored to specific exercise or project requirements, with customer defined scale, extent, content and layout.



Army Range Mapper
 SRP's most popular online tool, the Army Range Mapper (ARM), distributes worldwide GIS data to Soldiers, trainers, planners, and range control personnel. ARM is one of the most utilized training support web resources in the USAREUR community.



ArcGIS Online Services

Web-based geospatial data services hosted by USAREUR SRP, providing easy, secure access to GIS data for USAREUR Training Areas for use in web-browser applications and desktop GIS software.



Data Warehouse
 Central, standardized, multi-user access repository of geospatial data developed and acquired by USAREUR SRP over the last 20 years. Contains topographic maps, imagery and GIS layers formatted for use in USAREUR SRP products and services.



Soldier's Field Card Mobile App
 Application includes training area maps, safety information and standard guidelines for ensuring continued environmental stewardship.



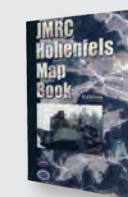
USAREUR Environmental Officer Guide Mobile App
 Includes valuable reference material targeting unit environmental officers and includes the You Spill, You Dig brochure, garrison spill response plans, guidance documents, risk matrix, and material safety data sheets (MSDS).



Training Support Handbook Mobile Web App
 Packed with information on Training Support Activity Europe's extensive capabilities across Europe and Africa, the Handbook Mobile App will be released in summer 2014.



Training Support Kiosk
 Located at Grafenwoehr Range Operations, NCOA and Training Support Centers (TSC), TSAE Kiosks allow users to query and print maps, information on training resources (e.g. Deployable Instrumentation System - Europe (DISE), and the Training Aids Production Center (TAPC)).



Map Atlases
 Hardcopy atlas which provides large scale topographic and aerial image maps of JMRC, to include all JMRC training facilities.



Joint Multinational Training Command Overview - Training Support Map
 Summarizes valuable information on in-theater training capabilities and projects stationing and training support requirements over the next five years.



Installation Maps
 Installation special maps display topographic data and military training features for selected USAREUR training areas. Maps include aerial imagery, locator route maps, and Soldier's Field Card information.



Annual Reports
 Annual summaries of program and project achievements, milestones, events, customer support activities and lessons learned.



Studies
 ITAM provides a wide range of training land studies and geospatial analysis ensuring decision makers have authoritative information.

WHO NEEDS WHAT

CUSTOMER EXAMPLES

USER TYPE

PRODUCTS AND SERVICES

Commanders, Directors, Program Managers

COMMANDER / ORGANIZATION MANAGER

10's

COMMAND OVERVIEW MAP



ANNUAL REPORTS



Professional GIS personnel at SRP, Garrison, Units, and selected contractors

GIS ANALYSTS

100's

DATA WAREHOUSE



ARCGIS ONLINE SERVICES



G3/S3, Master Gunners, Safety, Range and Training Area Managers, SRP Personnel, Garrison Planners, Environmental Officers and SMEs

PLANNERS

1,000's

MAP ATLASES



ENVIRONMENTAL OFFICER MOBILE APP



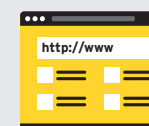
ITAM VIEWER



RAISED RELIEF MAPS



TAP IN



CUSTOM MAPS



U.S. Soldiers, Garrison and HQ Civilians, Training Support Civilians, Host-Nation agencies, select foreign military personnel

VIEWERS

10,000's

ARM MOBILE



SOLDIER'S FIELD CARD



ARMY RANGE MAPPER



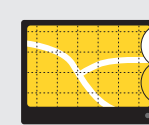
SOLDIER'S FIELD CARD MOBILE APP



INSTALLATION MAPS



TRAINING SUPPORT KIOSKS



*should be noted that users could and should leverage all products at their level and below

TAP IN

TAP IN is a NIPR web mapping application similar to Google Maps. Users can search training support facility locations, view facility-specific information, download PDFs (i.e. SOPs, handbooks, access maps), and query real-time and future RFMSS (Range Facility Management Support System) scheduling data for all USAREUR training facilities.

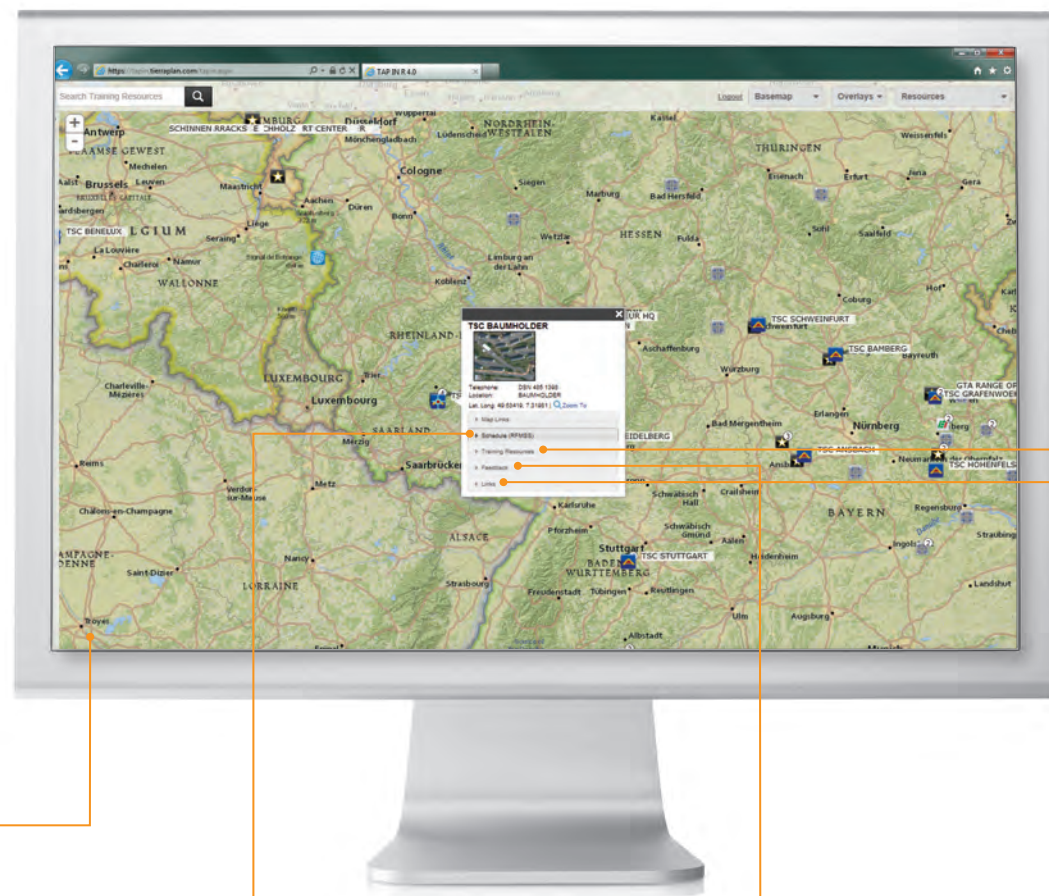
TAP IN can be hosted on any CAC web portal or SharePoint site and can be scaled to satisfy unique user requirements.

Users can view TAP IN one of several ways:

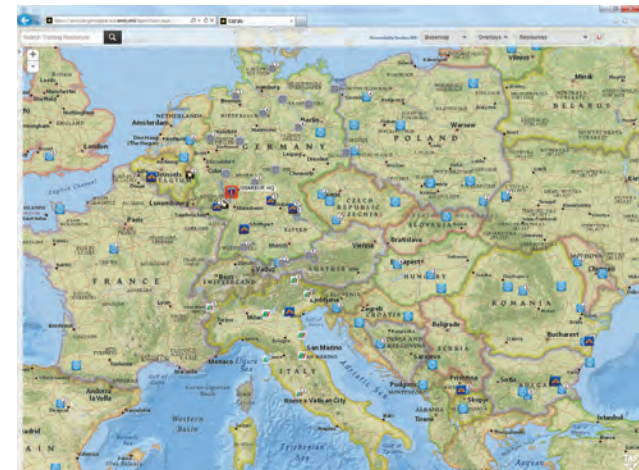
» Visit <https://armyrangemapper.eur.army.mil/tapin>

» View a web page with an embedded TAP IN frame

Information window



Landing page



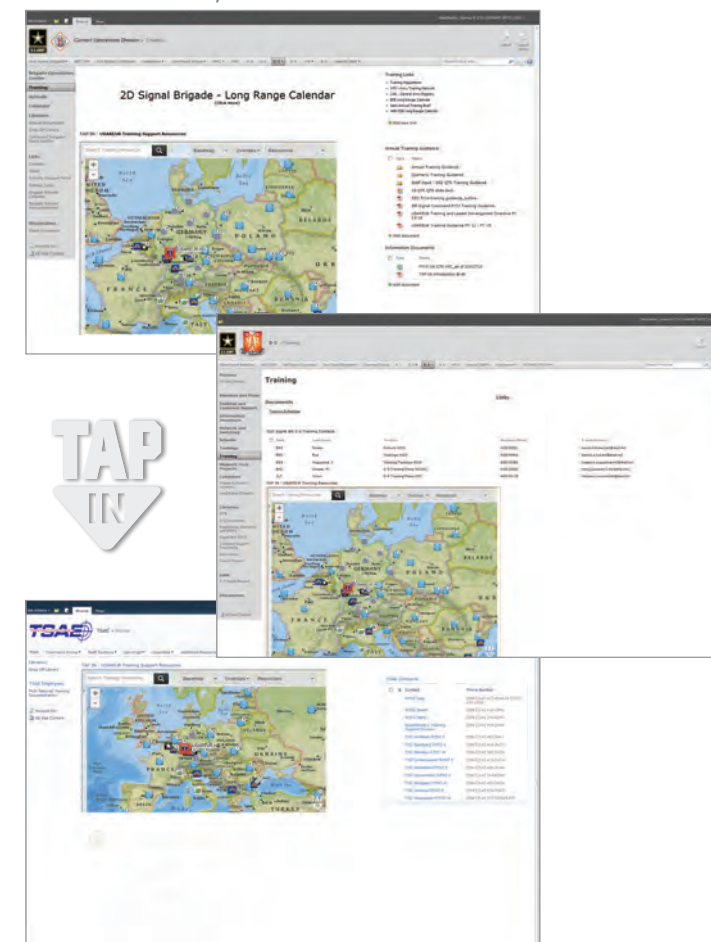
RFMSS window

INSTALLATION	FIREDESK	FACILITY	UNIT	EVENT	SCHEDULED_START	CHECK_IN	SCHEDULED_END	STATUS
BAUMHOLDER	BAUMHOLDER	ISM INDOOR RANGE	391ST CSB	ISM/MS ZERO	13-DEC-12 08:00	Not Checked-in	13-DEC-12 17:00	NO SHOW
BAUMHOLDER	FIRE DESK	COOLBROOK RANGE	391ST CSB	ISM/MS ALT C QUALIFICATION	13-DEC-12 08:00	Not Checked-in	13-DEC-12 17:00	NO SHOW
BAUMHOLDER	FIRE DESK	PARA RANGE	391ST CSB	ISM/MS ALT C QUALIFICATION	13-DEC-12 08:00	Not Checked-in	13-DEC-12 17:00	NO SHOW
BAUMHOLDER	FIRE DESK	RANGE 7	RHB 10TH	3.5MM WEAPONS FIRING	13-DEC-12 08:00	08:45	13-DEC-12 18:45	UNIT FIRING UNRESTRICTED
BAUMHOLDER	FIRE DESK	RAZELING TOWER	ADMC	CONSTRUCTION/REPAIR/MAINTENANCE	13-NOV-12 00:00	00:00	12-MAY-13 23:59	OCCUPIED
BAUMHOLDER	FIRE DESK	URBAN OPERATIONS	MANIT BAHQ	UNAVAILABLE FOR TRAINING	08-NOV-12 00:00	00:00	23-MAY-13 23:59	OCCUPIED
BAUMHOLDER	FIRE DESK	WATER OPERATIONS	34TH QH	WATER OPERATIONS	13-DEC-12 08:00	Not Checked-in	14-DEC-12 17:00	RESERVED
BAUMHOLDER	FIRE DESK	LARGE CLASS ROOM	391ST CSB	CLASSROOM	13-DEC-12 09:00	09:07	13-DEC-12 16:30	NON FIRING TRAINING WITHOUT PIR/TECHNICS
BAUMHOLDER	FIRE DESK	SMALL CLASS ROOM	391ST CSB	CLASSROOM	13-DEC-12 09:00	11:04	13-DEC-12 13:00	NON FIRING TRAINING WITHOUT PIR/TECHNICS

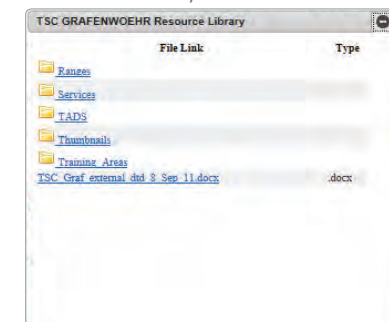
User feedback



Embed TAP IN on your SharePoint



Resource library



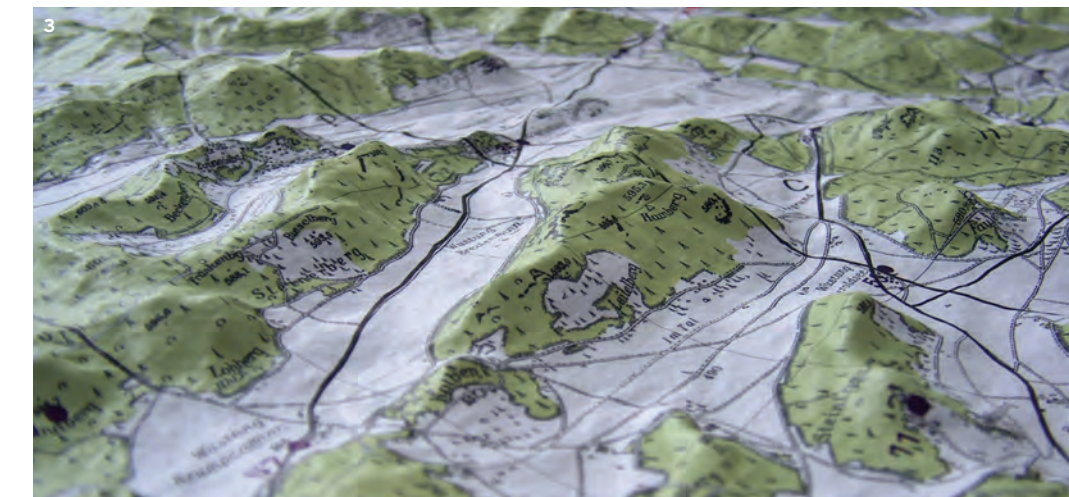
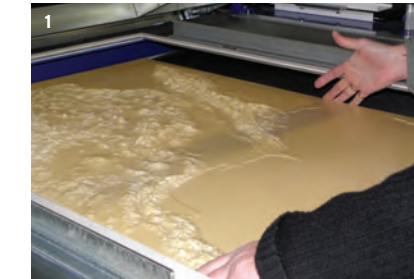
RAISED RELIEF MAPPING

In 2013, the ITAM program partnered with the Training Aids Production Center (TAPC) to purchase a new 3D vacuum form printer. The capability of the new 3D printer allows for the production of custom raised relief maps to be created at Grafenwoehr.

A unit can request a custom or standard raised relief map product for any USAREUR training area by generating a VIOS order.

<http://www.vios.army.mil/>

- 1 Mold used to generate a raised relief map for the Caucasus Region
- 2 3D vacuum form printer used to create raised relief maps
- 3 Raised relief map product



MOBILE APPS



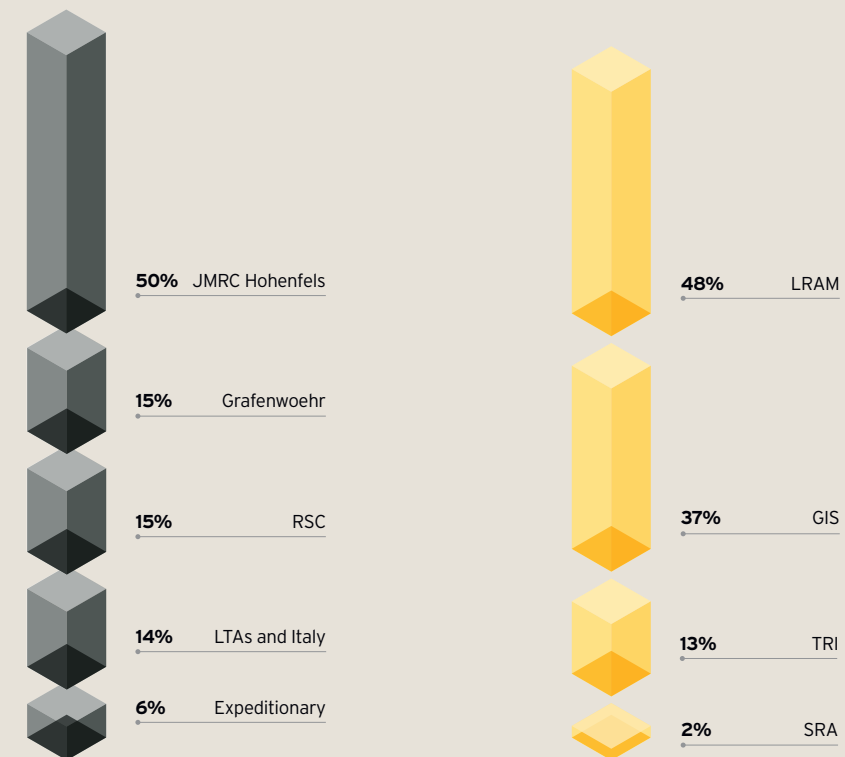
Search by keyword "USAREUR"



USAREUR Coverage	✓	✓	✓
Maps	✓	✓	✓
Products & Services Catalog	✓	✓	✓
Multilingual		✓	
Price	FREE	FREE	FREE
Highlights	<ul style="list-style-type: none"> > Route Planner > 80+ USAREUR Training Areas > Access Gate Locations > Esso Gas Stations (Germany) 	<ul style="list-style-type: none"> > Training Area "Best Practices" Reference > 20+ Field Cards > MEDEVAC & Safety Information > POCs 	<ul style="list-style-type: none"> > Authoritative Environmental Reference > Must have for Environmental Officers > Fire and Spill Response, POCs > HAZMAT Management

FUNDING

Department of the Army and USAREUR continued to provide strong funding support to the ITAM program in fiscal year (FY) 2013. The Army supports ITAM's critical role in sustaining and enhancing the training land platform.



Spatial Location

Spatially, USAREUR ITAM funding continued to focus on the Major Training Areas: Grafenwoehr and JMRC Hohenfels. Two-thirds of program funding was executed at both JMRC Hohenfels (50%) and Grafenwoehr (15%) training areas. ITAM also funded significant land repair projects at enduring Local Training Areas and Italy (14%). Execution of GIS support at the installation level and via the Regional Support Center's "hub and spoke" approach amounted to 15% of FY 2013 funding.

Component

Functionally, training area land repair and enhancement projects continued to be the dominant USAREUR ITAM component (48%). Major Training Area and regional GIS support staff comprised the bulk of the SRP GIS component (37%) execution, followed by the Training Requirements Integration (13%) component. As in past years, the Sustainable Range Awareness component (2%) provided strong awareness for the Command with relatively minimal investment. Detailed funding breakdowns are available upon request.

WAY AHEAD

USAREUR
2014 INITIATIVES

Strengthening relationships with our host nation and multinational partners, to include our training area stakeholders, will continue to be a future cornerstone of all USAREUR ITAM activities. Host nation cooperation, specifically with regards to the way ahead with Flora and Fauna Habitat management, will be a priority coordination requirement. The established Training Area and GIS Working Groups will provide a strong forum for facilitating this critical stewardship topic.

ITAM will continue to strive to ensure sustained flexibility of the U.S. Army Europe training land platform. The future of training support must support the generation and sustainment of units trained in Unified Land Operations that can succeed in a complex and uncertain operational environment. "Train the way we fight", will require a complex and realistic land platform that replicates the complexities of the operational environment.

We hope you find our latest Stewardship Report constructive and are always pleased to receive feedback.



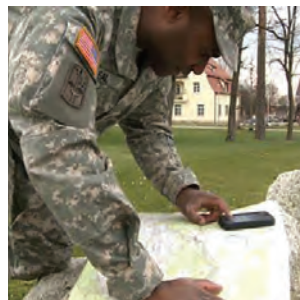
Land Cover

Land reconfiguration to provide irregular crop fields, drainage ditches, terracing and other land cover complexities in order to replicate operational environment anthropogenic conditions. Proposed location is adjacent to Schwend Urban Operations site.



TAP IN Deployment

TAP IN (see p.28) provides a single portal for accessing information on training support capabilities (ranges, training areas, devices). The way ahead will enhance TAP IN deployment to USAREUR units' SharePoint and potentially to the NATO alliance.



Mobile Apps

ITAM will continue to support an aggressive roll out of training support apps across more mobile platforms. The existing apps; Soldier's Field Card, Environmental Officer Guide, and ARM Mobile; will be enhanced while a number of new 'Army first' apps, such as the TSAE Training Support Handbook, will be released.



Land Repair Cost Efficiencies

ITAM, in coordination with Troop Construction and Garrisons, will continue to seek cost effective means for land repair and maintenance while ensuring USAREUR's training land platform is maximized.

Forward-deployed forces are absolutely critical. There is no substitute for them - you don't get the responsiveness you need from Stateside forces. Our forward-stationed forces establish those relationships - those relationships equal the access we need so we can do the things we need to do in Europe, the eastern Mediterranean and northern Africa. Without that access, without that trust, we can't accomplish the mission."

Gen. Philip M. Breedlove,
Supreme Allied Commander Europe and commander,
U.S. European Command



For further information or copies of this Stewardship Report, please contact the ITAM office: +49 (0)9641-83-ITAM or usareur.srp.contact@us.army.mil

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