

2009 AIAD Opportunities



The Department of Geography and
Environmental Engineering

Environmental AIADs



Guatemala - IAD#8247

Partnership with Water For People

This AIAD is a continuation of the annual partnership between USMA and the non-profit organization Water For People (WFP) that was successfully started last year with this project in Guatemala. The trip will begin in the Department (equivalent of state) of Quiché where we will work with WFP for nine days conducting monitoring of remote Mayan villages throughout the department. "Monitoring" will consist of surveying the local populace and water committee members on issues surrounding water quality/quantity, sanitation education/practice, and conducting on-site testing of water quality and structural assessment of the water supply system. The team will draft an extensive report including raw data and analysis of this data from the visits to these villages. Second portion of the trip will take place in the Department of Petén where we will explore the ecosystem of the largest contiguous rainforest in Central America and analyze construction methods of ancient Mayan civilizations at the ruins of Tikal. The last portion of the trip will be centered in the city of Antigua in the Department of Sacatepéquez. We will study the most active volcano in the region (Pacaya) and contrast European colonial influence with what we have observed previously in the Mayan culture of the rural villages in the western highlands.. Prerequisite requires cadets to participate in structured language training prior to the trip's departure through the use of Rosetta Stone. MAJ Czekanski will coordinate this training. Data collected during the monitoring portion of the trip with Water for People will be compiled into a report upon return to West Point. The tentative dates for this IAD are during Block I from 24 May to 8 June. For more information, contact MAJ Czekanski, WH5332, 938-3042, E-mail: adam.czekanski@usma.edu.

*** NOTE: Location of this AIAD may change to another country in Central/South America due to volunteer requirements of Water For People. The scope of the AIAD, the nature the work with Water For People, and the cultural component will remain the same regardless of location.**



Costa Rica - IAD#TBD

Sustainable Coffee

This trip supports on-going research with a non-profit organization, EarthWatch, in a remote area of Costa Rica. The research focuses on the sustainable growth of coffee, one of the most important agricultural commodities in the world. Cadets will further field research demonstrating shade-grown coffee (grown under more forest-like conditions than plantations) can be more beneficial to local ecologies. Specific research will require cadets to work in support of local farmers' cooperatives, the "Cooperative Santa Elena" and "Finca La Bella." Cadets will perform their fieldwork alongside these indigenous coffee growers. Students will measure ecosystem services such as the importance of diversity indices in production. Research outcomes will help refine specifications for shade-grown coffee certification and will build on previous EarthWatch projects centered on the mapping of water resources and GIS data collection funded by Starbucks. Teaming with EarthWatch provides the ability to interact with a variety of hosts from the base of operations, and provides an opportunity to work with professionals and locals at a one-on-one level. Cadets will stay in the "Ec lodge" near the Monteverde cloud forest village of San Luis, Costa Rica. The Ec lodge will house other researchers and receive visiting scientists, tourists, and locals. Upon completion of the fieldwork in the agrarian culture of the Central Valley and academic research, the cadets will spend a night in the capital city of San Jose. This cultural center is a stark contrast from the field site as its population has grown from 50,000 to over 300,000 in the last 50 years. This IAD requires cadets to participate in structured language training through Rosetta Stone prior to departure. MAJ Rayfield will coordinate this training. The tentative dates are in Block III from 25 July – 8 August. For more information, contact MAJ Rayfield, WH5400, 938-4265, E-mail: travis.rayfield@usma.edu.



The Land Institute- IAD#TBD

Sustainable Land Use (Agriculture)

The Land Institute, located in Salina, Kansas is the premier perennial grain crop research center in America, if not the world. The Land Institute's scientific research team, headed by Wes Jackson, Jon Piper, and Thomas S. Cox, works to breed perennial grain crops by hybridizing native perennial grasses with existing food crops. During the 21 days at the Land Institute, cadets will participate in the Graduate Fellows Workshop where cadets will work with students from all over the country, as well as other scientists, heading the field. This workshop will focus on the ability of a nation to develop its own food sources to minimize land degradation and support sustainable agricultural practices. Cadets may visit current large scale research plots and will stay at a nearby university to foster further interaction and intellectual development. The implications of this research directly tie land use and food shortages to regional stability and armed conflict. The tentative dates are in Block II from 20 June – 11 July. For more information, contact MAJ Rayfield, WH5400, 938-4265, E-mail: travis.rayfield@usma.edu..

Environmental AIADs



Aberdeen Proving Grounds, MD - IAD#5052

U.S. Army Center for Health Promotion and Preventive Medicine

Cadet will perform an internship hosted by the U.S. Army Center for Health Promotion & Preventive Medicine (USACHPPM) at Aberdeen Proving Ground, MD. Cadet will participate in environmental engineering studies in the subjects of drinking water, hazardous waste management, air pollution, or wastewater treatment. TDY travel from Aberdeen Proving Grounds is likely for hands-on work. The prerequisites for this AIAD is successful completion of EV385B or EV350, Introduction to Environmental Engineering. It is also preferred to have EV401 (Physical and Chemical Treatment). The dates for this IAD are flexible. For information, contact MAJ Davis, WH5318, (845) 938-4135, E-mail: gayle.davis@usma.edu.



Various Locations in US: - IAD#4993

Federal Emergency Management Agency

The Federal Emergency Management Agency (FEMA) is the central point of contact within the federal government for a wide range of emergency management activities in both peace and war. Cadets will conduct an internship with FEMA by supporting one of the 10 regional offices in their emergency management role. The internship will vary based on academic background, but may include hazard mitigation activities, GIS related work, conducting environmental reviews of National Environmental Policy Act (NEPA) documents covering current emergencies in the nation, or project close-out documentation. It may include working with public or private organizations involved with life- and property-threatening emergencies. The prerequisite for this AIAD is EV203. The dates for this IAD are flexible. For information, contact LTC Smith, WH5320, (845) 938-3136, E-mail: mark.smith@usma.edu.



Aberdeen Proving Grounds, MD - AIAD#6980

U.S. Army Environmental Command

The US Army Environmental Command's (USAEC) mission is to lead and execute environmental programs and provide environmental expertise that enables Army training, operations, acquisition and sustainable military communities. The selected cadets will participate in an environmental research activity important to USAEC: Sustainable installations, communities and military operations; Installation Management Command environmental staff support; Active sites and Base Realignment and Closure (BRAC) cleanup; Environmental planning for BRAC, modularity, global defense posture, restationing and growth of the Army; Environmental reporting and information management; Weapons system acquisition support; Environmental technology transfer Environmental legislative and regulatory analysis. Prerequisites for this AIAD is to be a rising Cow or Firstie, taking the environmental engineering sequence, with a strong interest in the environment. The dates for this IAD are flexible. For more information, contact LTC Smith, WH5320, (845) 938-3136, E-mail: mark.smith@usma.edu.



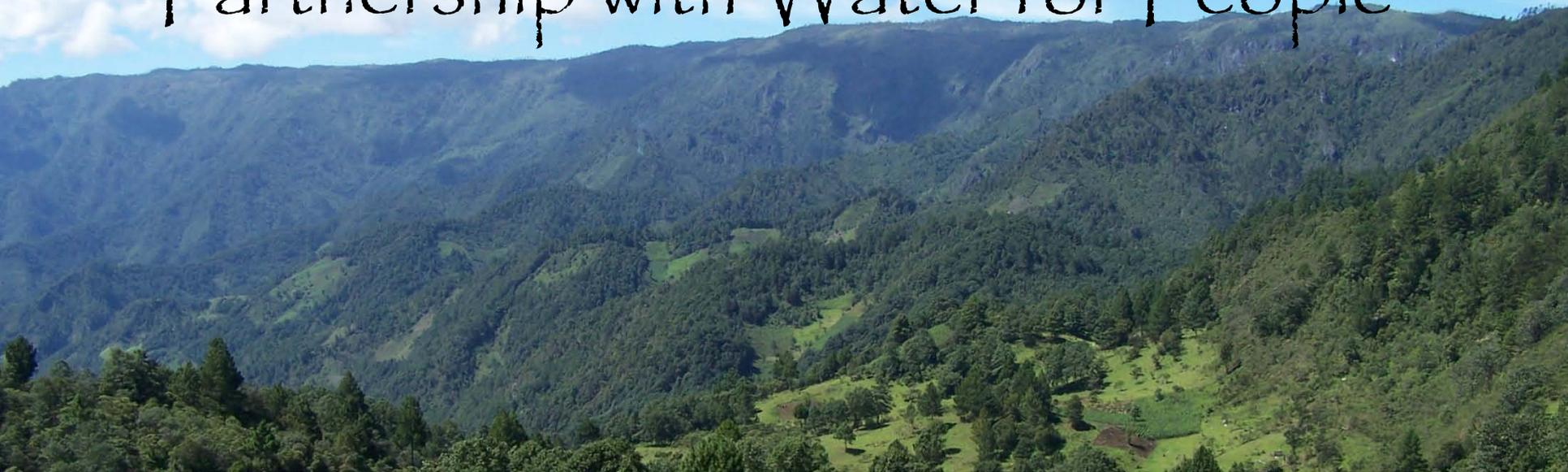
Various Locations in US: - AIAD#4956

U.S. Army Corps of Engineers

Cadets will participate in one of several ongoing projects within Corps of Engineers districts or laboratories across the country. Locations may include Boston, MA; Detroit, MI; Minneapolis-St.Paul, MN; New York City, NY; and many others. The dates for this IAD are flexible and can occur in any one of the three training blocks this summer. For information, contact MAJ Czekanski, WH5332, (845) 938-3042, E-mail: adam.czekanski@usma.edu.

Guatemala AIAD

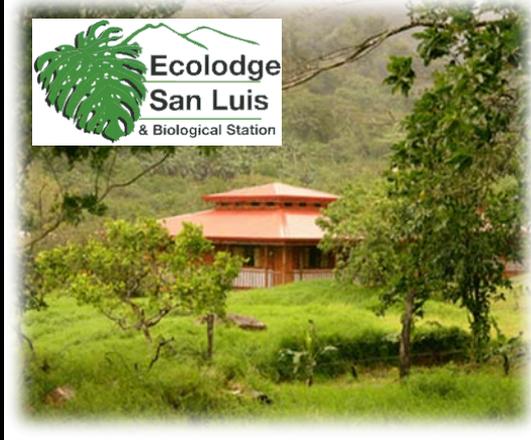
Partnership with Water for People



Block I: 24 May - 8 June
POC: MAJ Czekanski, x3042
adam.czekanski@usma.edu



Want to visit Latin America and make a difference?

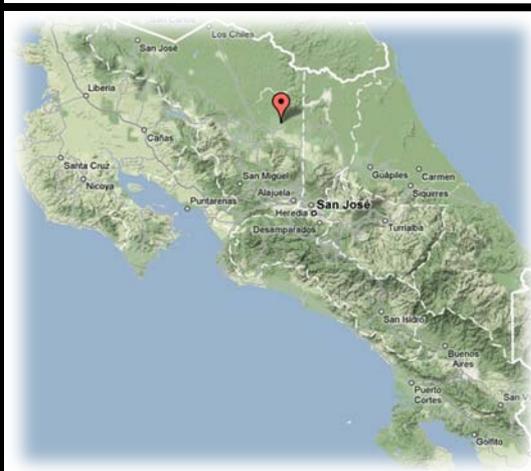


Sustainable Coffee San Luis, Costa Rica

Block 3: 25 Jul – 8 Aug

- Environmental science
 - Cultural immersion
 - Travel with a group to one of the most biologically diverse regions in North America
- *requires language training prior to departure**

POC: MAJ Rayfield
938-4265
travis.rayfield@usma.edu
WH5400

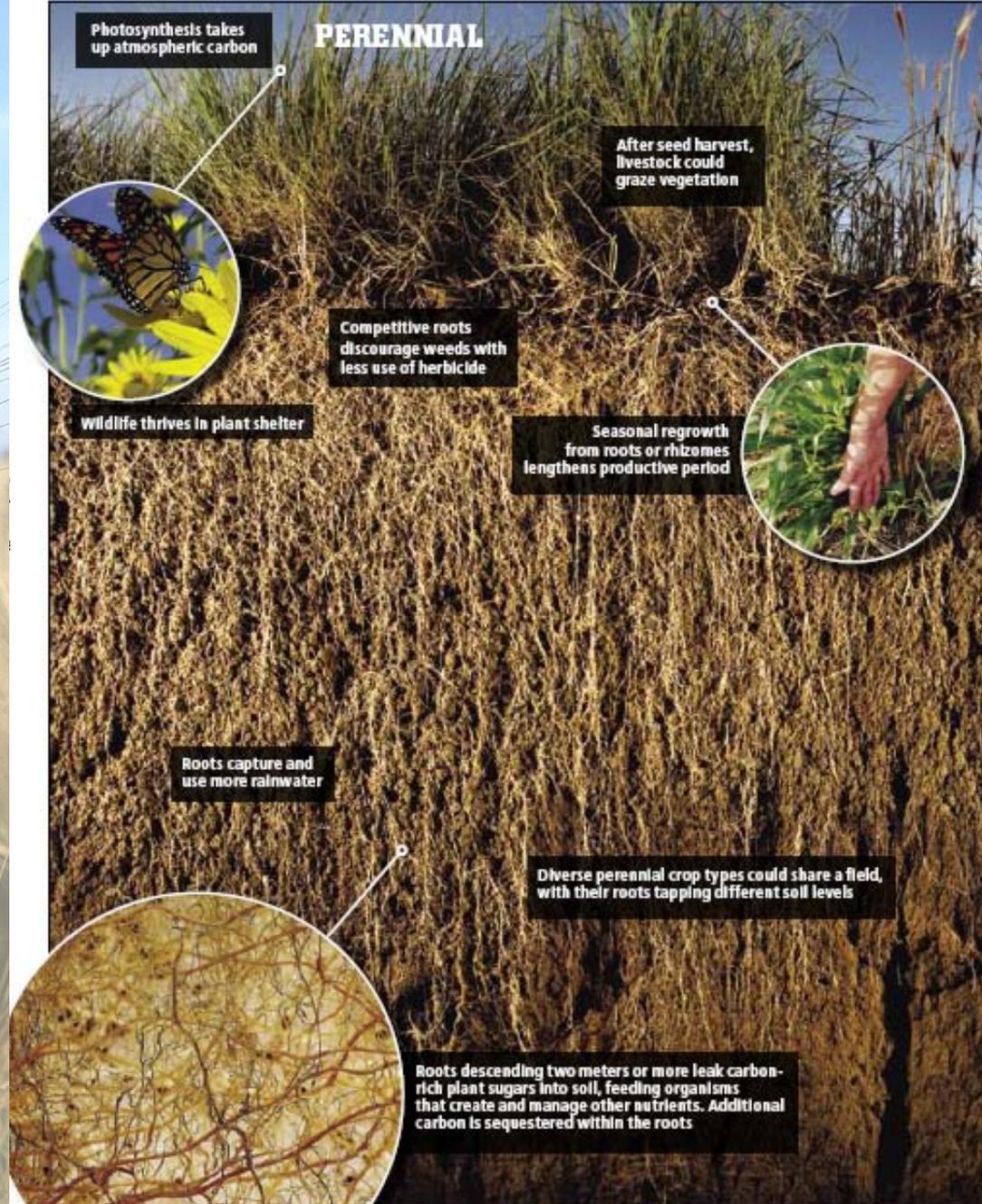




Study with agrarian experts at the Land Institute in Salina, KS

- Learn about hybridized perennial and annual grain crops
- What is the best rotation to meet human needs and support long term land use?
- Block II: 20 June to 11 July 2009

POC: MAJ Rayfield
938-4265
travis.rayfield@usma.edu



Glover, Jerry D., Cindy M. Cox, and John P. Reganold. 2007. Future Farming: A Return to Roots? Scientific American. (August).

Geography AIADs



Israel - IAD#4973

Jewish Institute for National Security Affairs
Service Academy Trip

Cadets will visit Israel for approximately three weeks. Cadets will tour historical, cultural, and religious sites. Additionally, the group will travel to various military bases to observe training exercises and participate in staff rides. The first week consists of touring military and biblical sites in the Negev Desert and Dead Sea Valley. The second week is spent exploring Jerusalem and the surrounding areas. The final week is spent working with Israeli Defense Force (IDF) and touring various IDF installations. Cadets will complete special readings and attend lectures/briefings given by members of the Hebrew University, Israeli Defense Force and the U.S. Embassy in order to gain a better insight to relevant social, economic, cultural and political issues. Each cadet is required to produce a 2-3 page paper on an approved topic to forward to JINSA upon return. Tentative dates of travel are 31 May to 18 June 2008. Prerequisites for this IAD are an interview and country clearance. There is no academic grade associated with performance on the post-trip language testing. For more information, contact MAJ Verell, WH5321, 938-3540, E-mail:

Benefsheh.Verell@usma.edu.



Uzbekistan - IAD#8268

Transition in the former Soviet Republic

This AIAD will be a 22 day trip to Uzbekistan during block two. We will visit most of the major regions of the country, including Tashkent, Nukus, Muynak (Aral Sea Basin), Khiva, Bukhara (ancient Silk Road Cities), Camel riding in the Kyzil-Kum desert, Samarkand, Termiz, the Ferghana Valley and possibly the Uzbek Military's Tank Academy at Chirchik. The trip will show you many eras of history and culture in Uzbekistan from the ancient Silk Road and Islamic history of the region, to the Soviet era through the modern era of independence. Basic Language, Culture and geographical instruction and assessment will be conducted by Dr. Wolfel prior to departure. For more information, contact Dr. Richard Wolfel, WH 5100c, 938-8798, e-mail: richard.wolfel@usma.edu.



India- IAD# 7397

India

This trip focuses on the language, culture, and geography of India. Cadets will travel the length of the country, from Mumbai to Delhi. In addition to visiting the major cultural sites of India, cadets will travel to locations well off the familiar tourist routes to encourage linguistic and cultural immersion. Destinations within the country include Mumbai, Bhavnagar, Lothal, Ahmedabad, Udaipur, Chittorgarh, Pushkar, Jaipur, Agra (Taj Mahal), Gwalior, Orcha, and Delhi. The academic framework for the trip will draw on concepts from both human and environmental geography to help cadets understand and better appreciate India's physical and human geographies. India is a key country to explore due to its physical and cultural connections to Asia and the Middle East. For more information, contact MAJ(P) Brian Dunmire, WH 5319, 938-0207, e-mail: brian.dunmire@usma.edu



Morocco - AIAD#8066

The Moroccan Experience

This IAD will immerse cadets into the North African culture and region. Cadets will live with a Moroccan host family and receive daily language training in group classes. This IAD will increase both cultural and regional awareness of a Muslim society and region. Initial tentative dates have yet to be determined, however, the dates are flexible depending upon location. The Morocco AIAD requires cadets to participate in structured language training prior to the trip's departure, and possible testing upon return. Language training will be coordinated by the IAD OIC. Enrolling and participating in the Rosetta Stone course will meet this requirement. Any language testing will also be coordinated by the IAD OIC. There is no academic grade associated with performance on the post-trip language testing. For more information, contact MAJ Clark, WH5332, 938-3986; E-mail: william.clark@usma.edu.

Geography AIADs



Theater Missile Defense - IAD#8543 Fort Belvoir, VA

This is an opportunity to do a multi-disciplinary project with the Defense Threat Reduction Agency in Ft. Belvoir, VA. A team of five cadets from different departments (Physics, Systems, Ops Research, Terrorism Minor, and Geography and Environmental Engineering) will work on a project to “modeling potential nuclear detection capabilities in support of its campaign to defeat the threat of lost or stolen nuclear weapons.” The Geography major will focus on helping the team develop a realistic JSAF environment for any scenarios which the team will develop to execute model runs for the sensor that they are investigating. As such, that cadet will need to be able to do some basic research on the geography and sociological background of the area being modeled to help enhance the quality of the model in those terms. It is likely that the activity on the transportation networks will play an important roll in the quality of our analysis so it will be important that we get a fairly accurate representation of the background (white) traffic. In addition, the research done by this cadet could also help enhance the data available for the cadet responsible for developing hostile (red) force reactions. For more information, contact MAJ Matthew CuvIELLO, 938-5421, WH5400, matthew.cuviello@usma.edu.



Alaska - IAD#8317 Icelandic & Alaskan Glacier

This research based trip focuses on environmental science and geomorphology. The trip consists of an intense three week field expedition on the Bering Glacier, Alaska. Topics of research include glacial geomorphology, geophysics, climate change, and native Alaskan cultures. Cadets will get hands on experience in field sampling techniques, data analysis, report writing, and will work alongside other researchers associated with the Bering Glacier Research Group (BERG). One of the lead researchers in this group is a former USMA professor who led cadets on a similar AIAD in the early 1990's. Cadets will also visit the Ilanka Cultural Center in Cordova to study the tribal life of the Eyak natives. A multitude of human geography related research topics ranging from impacts of the Exxon-Valdez oil spill on the native fishing industry and unemployment, community development projects, and the search for viable alternative energy for the village. At the conclusion of the trip, cadets will visit and tour the Alaskan Native Heritage Center museum in Anchorage. Tentative dates are from 18 June - 15 July. For more information, contact MAJ Clark, WH5332, 938-3986; E-mail: william.clark@usma.edu.



Macedonia - IAD#TBD Culture and Language Immersion, Disaster Relief Training

The Svetlina Summer Institute in Disaster Relief and Humanitarian Assistance is a two-week intensive training program that brings together American and Macedonian students working in teams to plan, prepare and conduct a complex humanitarian relief operation in a simulated post-conflict environment. This AIAD is formed around a two-week humanitarian and cultural immersion experience whereby cadets will develop cross-cultural competencies and practice planning, executing, and evaluating humanitarian relief operations. In-country training will consist of language and cultural immersion, bilateral negotiation skills, disaster rescue skills, triage and mass casualty response, mine/UXO awareness, convoy operations, IED and ambush reaction, radio communications, and land navigation. Throughout the two week experience, cadets will put their training to work conducting search and rescue, negotiating with government forces and insurgents, conducting convoy operations, and conducting mass casualty exercises. Prior to departure from West Point cadets will prepare by conducting individual readings in humanitarian operations and limited language training in Russian and Macedonian. This AIAD is facilitated by the Center for Disaster Relief and Humanitarian Assistance, Indian River State College, Institute of Peace and Defense Studies (Skopje), and the Ministry of Defense of the Republic of Macedonia. Tentative dates: 17 May – 3 June. For more information, contact LTC Thompson, WH5303A, 938-4035; wiley.thompson@usma.edu.

Geography AIADs



Vietnam - IAD#7060 Geography of Vietnam

This trip focuses on the language, culture, and geography of Vietnam. Cadets will travel the length of the country, from Hanoi to Ho Chi Minh City, lodging in homestays with Vietnamese families wherever possible. In addition to visiting the major cultural sites of Vietnam, cadets will travel to locations well off the familiar tourist routes to encourage linguistic and cultural immersion. The academic framework for the trip will draw on concepts from both human and environmental geography to help cadets understand the country and culture from a geographic perspective. Destinations within the country include Sa Pa, Hanoi, Ha Long Bay, Hue, Da Lat, Ho Chi Minh City, and the Mekong Delta. Cadets will be required to do a small amount of research related to Vietnam within their academic specialties prior to departure. Destinations and instruction will be tailored to the specific backgrounds of the participating cadets. Instruction will center around the idea of globalization, and cadets will learn how Vietnam is transforming from an insular, command-oriented economy to a "Baby Tiger." The environmental and cultural consequences of this change will be highlighted. Language instruction will begin in the spring semester with a limited number of internet language training sessions to introduce cadets to the pronunciation and structure of the language. Cadets will be required to complete a limited number of Rosetta Stone courses in conjunction with this training. This IAD will occur during Block II with exact dates still being determined. For more information, contact MAJ Matthew CuvIELLO, 938-5421, WH5400, matthew.cuviello@usma.edu.



Democratic Republic of the Congo - IAD#TBD

Two trips consisting of two cadets apiece will travel during blocks yet to be determined to the Democratic Republic of Congo (DRC). The cadets will fly to Kinshasa, DRC and will be met in country by the Defense Attaché (DAT). The cadets will spend a day or two in Kinshasa and then travel to Lubumbashi where they will intern for the Tenke Fungurume Mining Company. As an intern for the mining company, the cadets will take part in the initial environmental assessment that the company will use in order to open new lands for mining. The experience will last three weeks in the heart of Africa. The internship with the company will last 2 weeks. For an additional week the cadets will volunteer for the United Methodist Committee on Relief in Lubumbashi. This internship will expose the cadets to the environmental, political, technical, and societal implications of mining in the DRC. Cadets will have the opportunity to interact on a personal level through relief work and on a professional level with a foreign company. They will see the more modern capitol city of Kinshasa and more rural setting around Lubumbashi. The cadets will study French as part of their language preparation prior to departure. The cadets will be required to complete an instructor driven course in French and complete modules specified by the OIC in the Rosetta Stone program. While in country the cadets will be able to test comprehension and speaking especially when volunteering with the relief organization. For more information, contact MAJ CuvIELLO, WH5410, 938-5421, matthew.cuviello@usma.edu



Woods Hole, MA- IAD#TBD Ecosystems Survey Branch, NOAA

An opportunity for two cadets to travel to Woods Hole Massachusetts from 21 June to 15 July in order to participate in off shore research with the Ecosystems Survey Branch of NOAA. For more information about the program follow this link: <http://www.nefsc.noaa.gov/femad/ecosurvey/mainpage/>. The selected cadets will participate in the culminating exercise of the 2009 Sea Scallop Dredge on the Research Vessel Hugh R. Sharp. The cadets will be members of a 14-person scientific party collecting scientific data for 12 days on sea scallop resources and environmental conditions off the coast of Massachusetts. Cadets will also participate in a shore based project after returning from sea. Woods Hole is located near Martha's Vineyard.

For more information, contact MAJ CuvIELLO, WH5410, 938-5421, matthew.cuviello@usma.edu

ISRAEL ZOO

THE CULTURAL IMMERSION EXPERIENCE OF A LIFETIME!



AIAD HIGHLIGHTS:

- TEL AVIV
- JERUSALEM
- THE DEAD SEA
- THE NEGEV DESERT
- THE RED SEA
- HAIFA
- NAZARETH
- THE SEA OF GALILEE
- THE ISRAELI-LEBANESE BORDER
- THE JORDAN RIVER
- CAPERNAUM
- THE GOLAN HEIGHTS
- HOLOCAUST MUSEUM
- ISRAELI DEFENSE FORCE BASES
- MASADA
- THE WEST BANK



ENJOY THE PHYSICAL AND HUMAN GEOGRAPHY OF ISRAEL



FOR INFORMATION REGARDING 2009'S AIAD
CONTACT MAJ VERELL AT 3540



Uzbekistan IAD: Gateway to the Silk Road

Summer, 2009
Block 2

Contact:
Dr. Richard Wolfel
Washington Hall 5100C
X8798
richard.wolfel@usma.edu

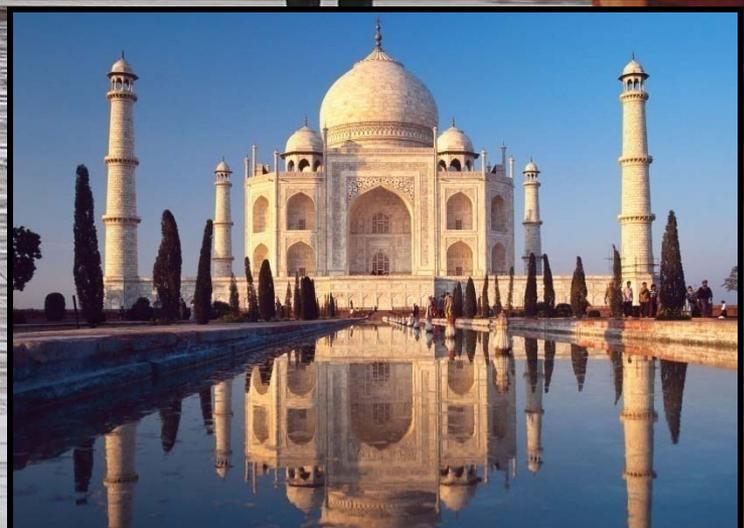


INDIA 2009

24 May to 6 June 2009

Contact:
MAJ(P) Brian Dunmire, x3042
Brian.dunmire@usma.edu

• The India AIAD requires cadets to participate in structured language training prior to the trip's departure, and proficiency testing upon return. Language training and testing will be coordinated by MAJ Dunmire. There is no academic grade associated with performance on the post-trip language testing.

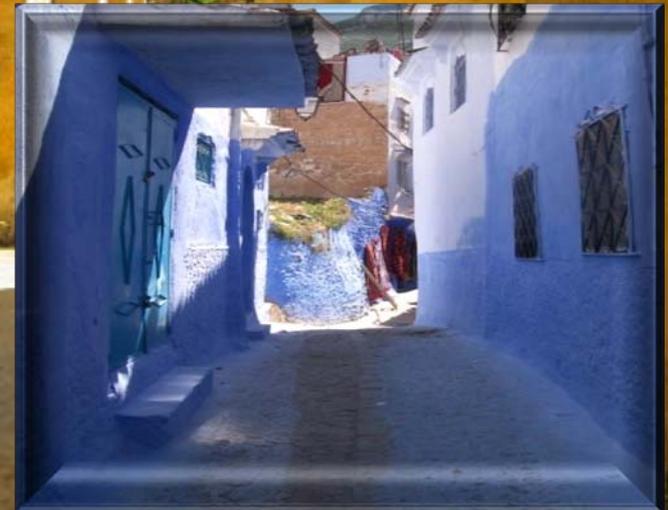
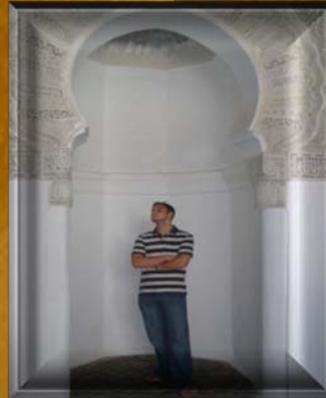


MOROCCO IAD

POC: MAJ Clark x3986

Email: william.clark@usma.edu

LEARN ARABIC IN RABAT
A 3 WEEK CULTURAL
IMMERSION EXPERIENCE



IAD #8543

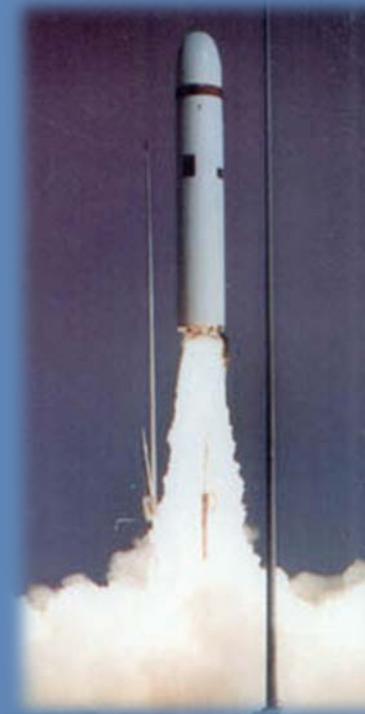
**Multi-Disciplinary Project with
Physics, Systems Engineering, Ops
Research and Terrorism**

**Defense Threat
Reduction Agency
Ft. Belvoir, VA**

Blocks TBD

**Develop a real world model to defeat the
threat of lost or stolen nuclear weapons.
The geographer will assist in the input of
transportation networks and human
activity.**

POC: MAJ CuvIELlo, WH5410, x5421



ALASKA IAD

SUMMER 2009



POC: MAJ CLARK X3986
EMAIL: WILLIAM.CLARK@USMA.EDU



Macedonia AIAD

Disaster Relief and Humanitarian Assistance

- Block 1 AIAD
- Learn humanitarian skills
- Live and work with college students from around the world
- Enjoy a language and cultural immersion experience



This AIAD is conducted in partnership with the Center for Disaster Relief and Humanitarian Assistance, Indian River State College, Institute of Peace and Defense Studies, and the Ministry of Defense of the Republic of Macedonia.

Interested cadets contact:
LTC Wiley Thompson
X-4035, WH5303A



Vietnam

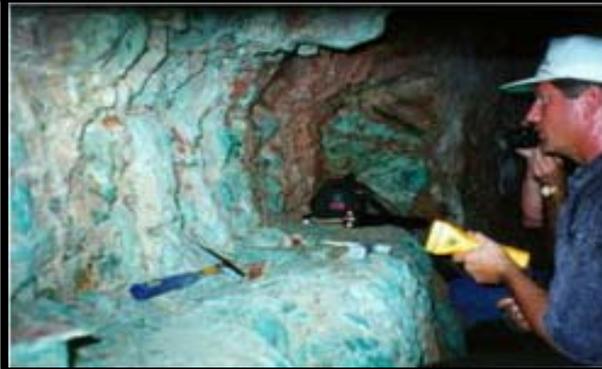
GEOGRAPHY IAD
Block II

POC: MAJ CUVIELLO, WH5410, x5421

Tenke Mining Corp.



Tenke Fungurume



Intern in
the Democratic Republic of Congo

Blocks To be determined

Travel to Kinshasa and Lubumbashi

Work with the Tenke Fungurume
Mining Company

Volunteer with the United Methodist
Committee on Relief

POC: MAJ Cuviallo, WH5210, x5421

NOAA
Ecosystems Survey Branch
Woods Hole, MA
21 June – 15 July 2009



POC: MAJ CuvIELlo, WH5410, x5421

Geospatial Information Science (GIS) AIADs



Battle Creek, MI - IAD#5034

Defense Logistics Information Service

Cadets will work with geospatial analysts at the Defense Logistics Information Service (DLIS) using GIS technology to produce the Defense Logistics Agency (DLA) Map Catalog, a monthly application used by all military personnel that allows the user to locate, identify and order all of the geospatial products available through DLA. DLIS is located in Battle Creek, MI. Cadet could attend AIAD any time during the summer. There are no prerequisites for this AIAD; however, Remote Sensing, GIS, Surveying or Photogrammetry would be useful for this AIAD. For more information, contact LTC Hendricks, WH5303B, (845) 938-2472, E-mail: michael.hendricks@usma.edu.



West Point, NY - IAD#5033

Independent Study

The cadet will participate in a individually supervised research and study program designed to provide the opportunity to pursue advanced study of topics in the mapping, charting, and geodesy realm. The cadet and/or instructor will set forth the objectives, scope and anticipated accomplishments from AIAD work performed at USMA or at an outside agency location. Depending on the final program design and requirements, a paper and oral presentation may be required. This AIAD is not for credit; however, there are unlimited slots available. Prerequisite for this AIAD is to be a GIS Major. For more information, contact LTC Fleming, WH6006, (845) 938-2326, E-mail: steven.fleming@usma.edu.

FT Belvoir, VA - IAD#5774

Topographic Engineering Center (TEC)

Topographic Engineering Center (TEC) is the Army's premier research and support center for geospatial technology. It is a research and development lab whose role is to test, field, and support geospatial equipment and concepts for the Army. They work with state-of-the-art technologies and equipment related to mapping, surveying, GIS, GPS, and remote sensing. TEC is located just 20 minutes south of Washington, D.C. at Fort Belvoir, VA. Cadet could attend AIAD at any time during the summer. Prerequisites for this AIAD is that the cadet must have successfully completed Remote Sensing, GIS, and Cartography. For more information, contact LTC Hendricks, WH5303B, (845) 938-2472, E-mail: michael.hendricks@usma.edu.



FT Belvoir, VA - IAD#5776

The Geospatial Intelligence School (TGS)

The Geospatial-Intelligence School (TGS) is a subordinate element of the National Geospatial-Intelligence Agency (NGA). The school is responsible for training all branches of the military services in geospatial-related topics along with the large workforce of NGA. Normally, all officers with a topographic engineer unit assignment will attend TGS. All enlisted personnel in the topographic field attend this school for producing their MOS. All warrant officers also attend this school for their professional development. DGIS is located 20 minutes south of Washington, D.C. at Fort Belvoir, VA. Cadet could attend this AIAD at any time during the summer. Prerequisites for this AIAD is that cadets must have successfully completed Remote Sensing, GIS, Surveying and/or Photogrammetry. For more information, contact LTC Hendricks, WH5303B, (845) 938-2472, E-mail: michael.hendricks@usma.edu.

Panama City, Panama - IAD#7669

Tropic Regions Test Center

Cadets will use GPS, GIS and other geospatial data collection tools in support of the Tropic Regions Test Center while they assist in building a comprehensive test and evaluation geospatial database. They will travel with faculty and scientists to field sites in Panama and possibly Costa Rica. Two cadets will work and travel together with one faculty advisor during July or August. Exact dates remain flexible based on cadet availability. Cadets participating in this IAD must be able to speak Spanish – not fluently – but with some proficiency. Cadets must have successfully completed EV203. Remote Sensing, GIS, Surveying and/or Photogrammetry would be useful for this IAD. For more information, contact LTC Fleming, WH6006, 938-2326, E-mail: steven.fleming@usma.edu or MAJ Irmischer, WH5414, 938-4620, E-mail: ian.irmischer@uams.edu.

Geospatial Information Science (GIS) AIADs



Redlands, CA - IAD#7900

Environmental Systems Research Institute

Cadets will work with software developers at Environmental Systems Research Institute (ESRI), the world's leader in GIS. ESRI software is heavily used in defense and intelligence applications and is the core software tools used to develop the military's command and control software. Cadets will have the opportunity to interact with geospatial developers and be exposed to the process of developing commercial GIS software. Cadet can attend AIAD at any time during the summer.

Prerequisites for this AIAD require cadets to have successfully completed GIS and Computer Science. For more information, contact LTC Hendricks, WH5303B, (845) 938-2472, E-mail: michael.hendricks@usma.edu.



Fort Collins, CO - IAD#7901

i-Cubed

Internship with I-Cubed Inc. in Ft. Collins, Colorado. Cadets will be working with company engineers on the evaluation and refinement of the DataDoors software package. I-Cubed is the industry leader in the development of software utilized to manage and display remotely sensed image databases. DataDoors is used throughout the DoD community and is available for use at the USMA. Two positions are available for this AIAD; timing for this AIAD is flexible. To be eligible for this AIAD cadets must have completed either EV377-Remote Sensing, EV378-Computer Cartography or EV398-Geographic Information Systems. For more information, contact Dr. Brockhaus, WH5302, (845) 938-2063, E-mail: john.brockhaus@usma.edu.



Fairbanks, FT Greely, Alaska - IAD#8056

U.S. Army Cold Regions Test Center

Cadets will use GPS, GIS and other geospatial data collection tools in support of the Cold Regions Test Center while they assist in building a comprehensive test and evaluation geospatial database. Some environmental data collection will also be incorporated into the mission. They will travel with faculty and scientists to field sites primarily on Fort Greely, Alaska. Two cadets will work together with one faculty advisor during the months of July or August. Exact dates remain flexible based on cadet availability. Prerequisite for this IAD is that the cadet has successfully completed EV203. Remote Sensing, GIS, Surveying and/or Photogrammetry would be useful for this IAD. For more information, contact LTC Fleming, WH6006, 938-2326, E-mail: steven.fleming@usma.edu or MAJ Didier, WH5400, 938-3253, E-mail:

Hannon.Didier@usma.edu.



McLean, VA - IAD#8267

GeoIntelligent Location Analysis with SPADAC

Cadets work with a leading edge private industry organization that focuses on geospatial predictive analysis solutions such as: where border tunnels might be found or where suicide bombers are most likely to strike. In addition cadets will work with SPADAC's high end spatial index server, EarthWhere, which West Point employs to manage terrabytes of image and map data. SPADAC is located just 20 minutes west of Washington, D.C. in McLean, VA. Cadet could attend this IAD at any time during the summer. For more information, contact LTC Hendricks, WH5303B, 938-2472, E-mail: michael.hendricks@usma.edu.



Vicksburg, MS - IAD#8304

Geospatial Support to the Engineer Research and Development Center (ERDC)

Cadets will use GIS applications and other geospatial data investigation tools in support of the ERDC's GIS Branch while they assist in collecting data for CONUS data sites and/or evaluating new geospatial data collection devices. They will work with scientists and engineers from the ERDC command. Study will occur in June, July or August. Exact dates are flexible based on cadet availability. Prerequisite for this IAD is that the cadet has successfully completed EV203. Remote Sensing, GIS, Surveying and/or Photogrammetry would be useful for this IAD. For more information, contact LTC Fleming, WH6006, 938-2326, E-mail: steven.fleming@usma.edu or MAJ Day, WH5413, 938-3124, E-mail: Allison.Day@usma.edu.

Geospatial Information Science (GIS) AIADs



Hanover, NH - IAD#8305

Cold Regions Research & Engineering Laboratory (**CRREL**)

Cadets will work on a project dealing with environmental aspects during IPB development in Hanover, New Hampshire. Cadets should have a basic familiarity with geographic concepts and ESRI products and or computer languages (depending on abilities and interest, may have opportunity to assist with application development in Oracle with PL/SQL and web development). During June there will be an intermediate GIS course for 3 days that the cadet could sit in on (if the cadet would want credit in the form of a certificate then they would have to go through the process of signing up and paying the fees). For more information, contact LTC Fleming, WH6006, 938-2326, E-mail: steven.fleming@usma.edu.



Colorado Springs, CO - IAD#8273

GIS Support to NORTHCOM

Internship with the Geospatial Analysis Division of Northern Command at Peterson AFB, Colorado Springs, Colorado. Cadets will be working with staff analysts in the enhancement of geospatial analysis tools currently available within the Northern Command Geospatial Information website. The Geospatial Analysis Division is a Joint Operations unit that deals not only with the DoD but also with the Office of Homeland Security. Two positions are available for this AIAD; this AIAD will take place during the last week of June and first two weeks of July or the first three weeks of July. To be eligible for this AIAD cadets must have completed either EV378-Computer Cartography or EV398-Geographic Information Systems. A security clearance at the SECRET level is required for this AIAD. For more information, contact Dr. Brockhaus, WH5302, (845) 938-2063, E-mail: john.brockhaus@usma.edu.



Orlando, FL - IAD#8321

Geospatial Support to the Simulations and Training Technology

Center (STTC)

Cadets will use GIS applications and other geospatial data investigation tools in support of the RDECOM's Simulation-Training-Instruction (STRI) Branch while they assist in building a modeled database of West Point. They will work with other cadets from other departments, scientists and students from the University of Central Florida. Study will occur in June or July. Exact dates are flexible based on cadet availability. Prerequisite for this IAD is that the cadet has successfully completed EV203. Remote Sensing, GIS, Surveying and/or Photogrammetry would be useful for this IAD. For more information, contact LTC Fleming, WH6006, 938-2326, E-mail: steven.fleming@usma.edu.



Chantilly, VA - IAD#8322

National Reconnaissance Office

Internship with the National Reconnaissance Office located at Ft. Meade. Cadet will be working with an Army officer assigned to the NRO tracking and locating intelligence information and assets. One position is available for this AIAD; timing for this AIAD is flexible. To be eligible for this AIAD the cadet must have completed EV377-Remote Sensing and EV398-Geographic Information Systems. A security clearance at the SECRET level is required for this AIAD; the NRO will then process an interim TOP SECRET clearance for the cadet selected for this AIAD. For more information, contact Dr. Brockhaus, WH5302, (845) 938-2063, E-mail: john.brockhaus@usma.edu.