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# Challenges of Operating Across Borders

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Debra Dale

Chief, Environmental Division

U.S. Army Installation Management Command – Europe Region

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*Our mission is to provide Soldiers, Civilians, and their Families with a quality of life commensurate with the quality of their service.*

*We are the Army's Home*



# Agenda



- **Operating Challenges**
- **Overseas Requirements: „The Big Picture“**
  - DoD Environmental Executive Agents
  - Environmental Policy: Advantages & Challenges
- **Encroachment**
  - Pressures on military readiness
  - Contending with encroachment
- **Environmental Security Engagement: Building partnerships across borders**
  - Environment is good engagement tool which overlays political borders
- **Implementing Sustainable Solutions**

# Operating Challenges



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- **What governing laws & standards determine requirements?**
  - Operating in European Union (EU) with U.S. Citizens, U.S. equipment & products and Local National employees
  - One size doesn't fit all – DoD policy must balance Host Nation & U.S.
- **Property ownership influences investment/divestment**
  - U.S. military does not own real property overseas
- **Environment doesn't align with political borders**
  - Military fences don't make good neighbors
  - Encroachment pressures
- **Overcoming the 'stigma': military and environmental protection**
  - International Environmental Security engagement required to ensure interoperability & build coalitions
  - U.S. Military training and Natural Resources protection is not mutually exclusive
  - Sustaining military operations requires multi-level partnerships



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# Overseas Requirements: „The Big Picture“



Situation	CONUS Permanent – Army/DoD Owned Installations	OVERSEAS “Enduring” Installations – under the control of U.S. ( e.g., under the authority / command & control of one of the Secretaries of the Military Departments)
<b>Applicable Environmental Guidance</b>	<ul style="list-style-type: none"> <li>- US EPA Regulations;</li> <li>- Executive Orders;</li> <li>- Other applicable laws &amp; regulations</li> <li>- Etc.</li> </ul>	<ul style="list-style-type: none"> <li>- DoDI 4715.5; Final Governing Standards (Compliance overseas)</li> <li>- DoDI 4715.8; Overseas Remediation policy/procedures</li> <li>- International Agreements/Treaties</li> <li>- Applicable* U.S. laws and EOs</li> </ul>
<b>Comments:</b>	<p>Army/DoD installations and sites in the must comply with US environmental laws &amp; regulations, to include state level regulations.</p> <p>Note: Most US environmental laws have <u>no</u> extraterritorial application and should NOT be cited as “requirements” for overseas sites, both enduring and operational.</p>	<p>For permanent, enduring sites overseas <i>under the command / control of a military department</i>, DoD’s overseas policies &amp; procedures apply; additionally, there may be international agreements (e.g., SOFAs, Basel Convention) that must be considered.</p> <p>* There are few U.S. laws and EOs that have extraterritorial application; generally, though not always, criteria from those are incorporated into OEBGD and resulting FGSS.</p>

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# DoD Environmental Executive Agents (EEA)



## in U.S. European Command



**Belgium  
Germany  
The Netherlands**



**Greece  
Italy  
Spain  
Iceland**



**Portugal/Azores  
Turkey  
United Kingdom  
Greenland  
Ascension Islands**



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# Environmental Policy: Advantages & Challenges



- **DoD Overseas Environmental Policy is a balance of:**
  - International Agreements, Executive Orders, DoD/EUCOM Policy, U.S. Statutes & Regulations
  - Revised 2010 DoD Final Governing Standards in BE, GE, NL (also UK)
- **Living under an International Agreement within the European Union (EU)**
  - Balancing NATO Status of Forces Agreement with EU Directives & Host Nation laws
  - Overlaid with multiple sets of national, regional and local laws
- **Leverage advantages**
  - German legislation safeguards activities ‘in the predominate public interest’
    - Military activities ‘trump’ - must apply required compensation measures if they impact ‘survivability’
- **Current challenges**
  - Noise
  - Waste Disposal
    - EU Electronic Waste Manifest requirements – implemented into Host Nation laws with varying procedures (eg: Germany vs. Italy)

# Encroachment Pressures on Mission



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**... Cumulative erosion of ability to  
deploy combat ready forces**

Source: SECDEF Senior Readiness Oversight Council Report to Congress 2001

# Contending with Encroachment



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- **Diverse encroachment pressures in Europe**
  - Smaller U.S. installations scattered across established communities
  - Differing political climates & requirements across borders
  - Endangered species management by ecosystems vs. single species

- **Can't stop or fight it alone...engage!**

- Tell the story: benefits to shared environment & economy
  - Scientific study shared on 'paradoxical' theory - military training enhances biodiversity
  - U.S. DoD programs to manage and conserve natural & cultural resources
- Engage local community to protect shared resources
  - Public Relations campaigns 'open' borders



# It is a Global Problem...



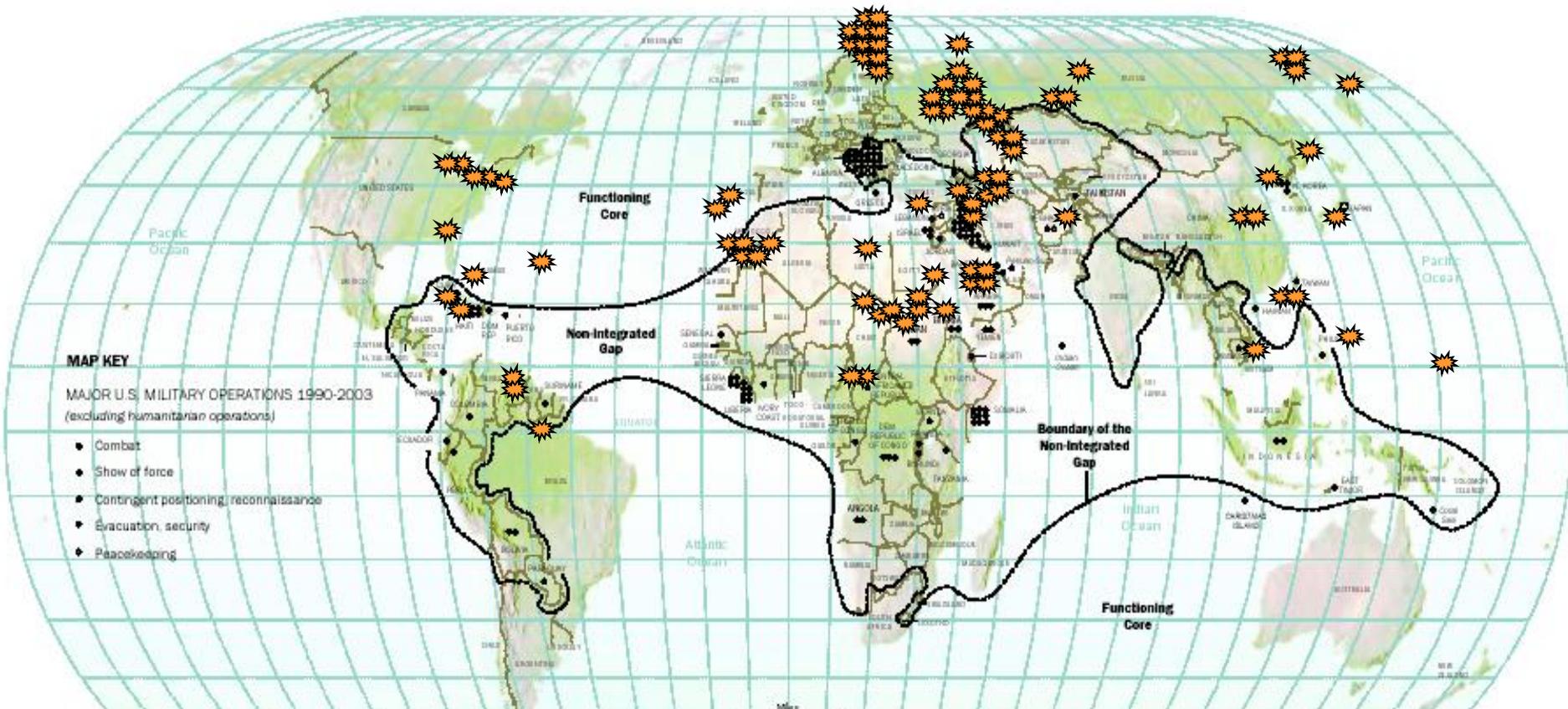
# Scarcity and Instability



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## The Pentagon's New Map: War and Peace in the Twenty-First Century

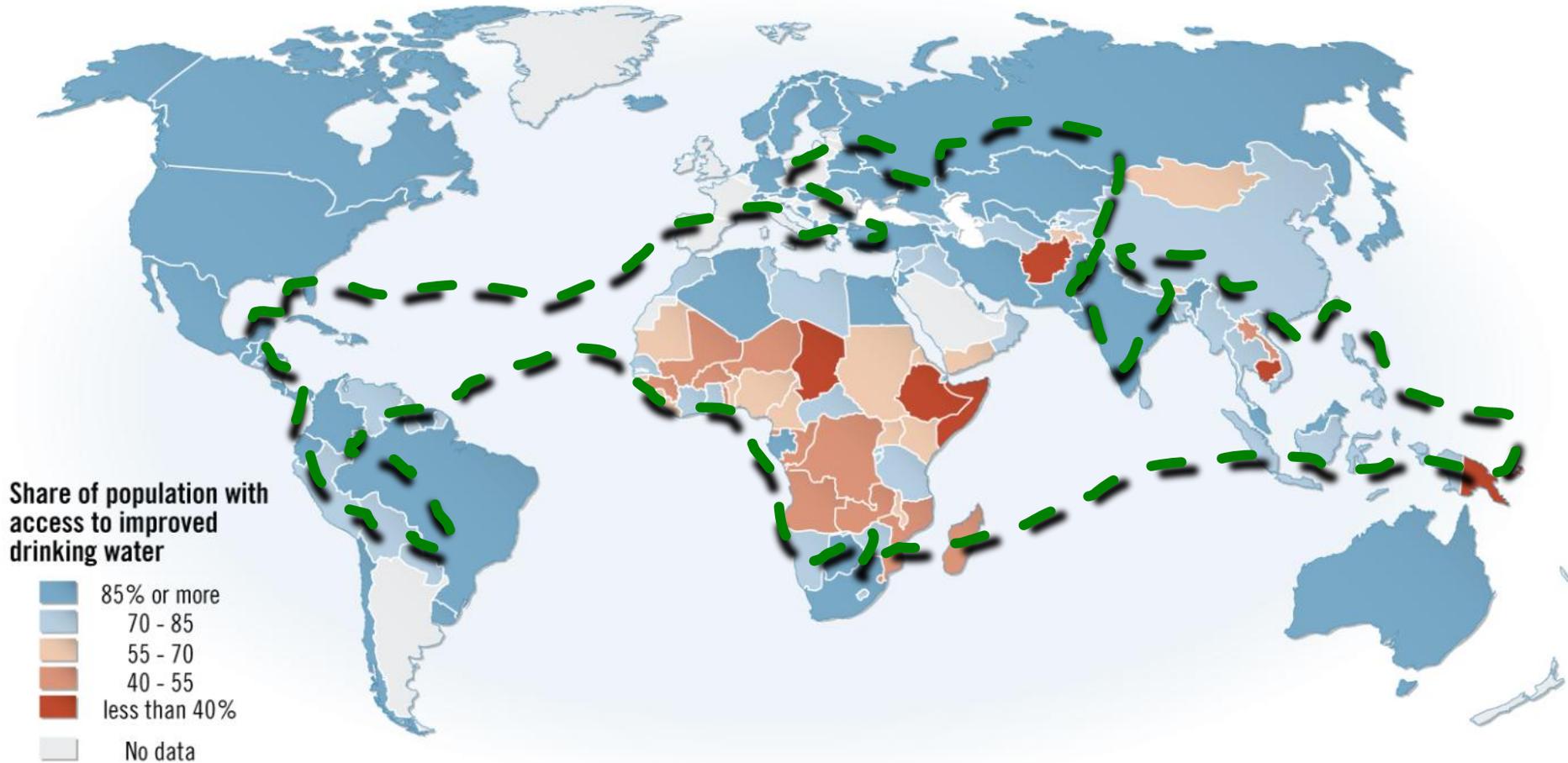


**THE PENTAGON'S NEW MAP: EXPLAINS WHY WE'RE GOING TO WAR, AND WHY WE'LL KEEP GOING TO WAR. THOMAS P.M. BARNETT, 2003**

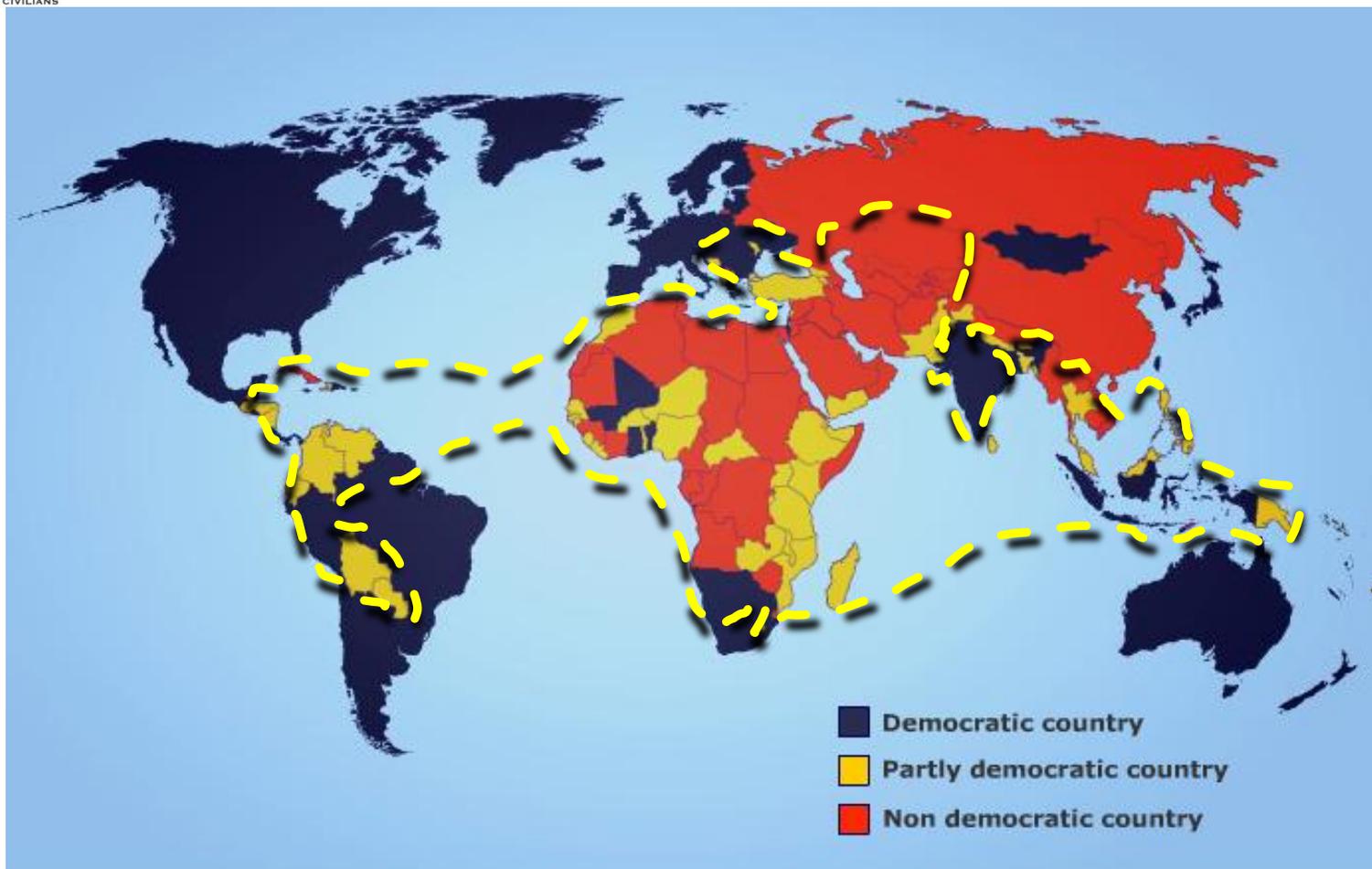
# Access to Safe Water (2008)



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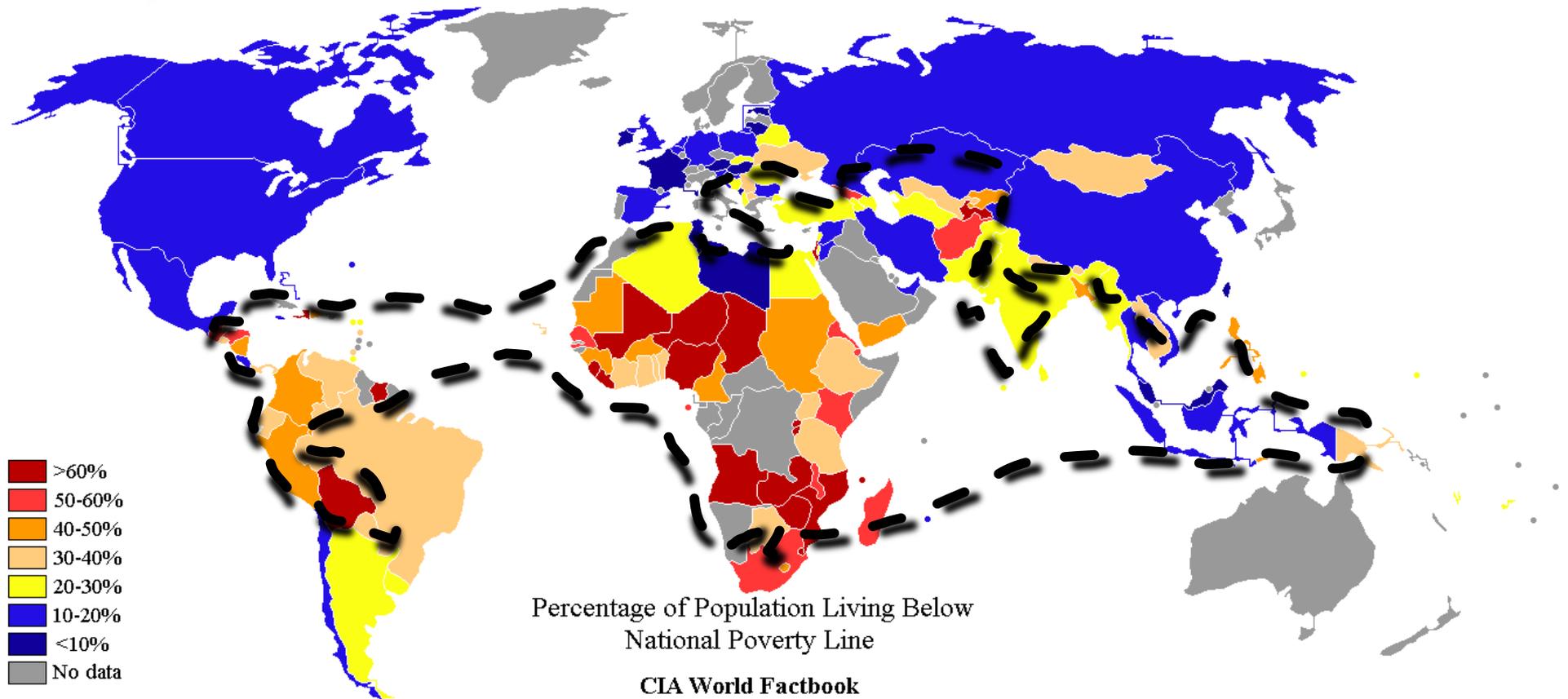
# World Democracy



Source: [http://nobelprize.org/educational/peace/democracy\\_map/](http://nobelprize.org/educational/peace/democracy_map/); 6 December 2010



# World Poverty



# Environmental Security Engagement



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## Building partnerships across borders - environment is natural engagement tool – overlays political borders

- **Engagement promotes U.S. security interests**
- Democratization
- Regional stability
- Strong alliances
- Develops competent coalition partners
- **Engagement builds partnerships**
- Non-Threatening
- Finds commonalities / Shared goals
- Improves military image
- Low cost / low tech
- Promotes Interagency / International cooperation
- Supports access





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# Environmental Security Engagement

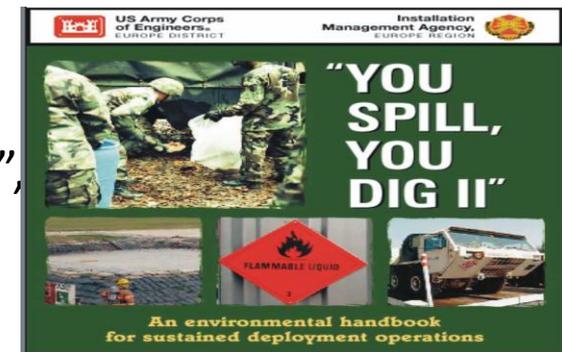


## Building partnerships across borders – environmental engagement focused on improving bilateral cooperation

- Environmental Auditing cooperation with Hungarian, Polish and South African Ministries of Defense
- Military Training Enhances Biodiversity cooperation with German, Estonian, Latvian and Slovakian Forces



- Shared Innovative Remediation Technology with Ukrainian Forces
- Developed field soldier handbook “You Spill, You Dig”, languages for use by NATO forces





# Installation Management: Sustainable Way Ahead



**IMCOM *must think, act* Sustainable to achieve ...**

***Mission Excellence***

***Environmental Stewardship***



***Community Collaboration***

***Economic Benefit***



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# Implementing Sustainable Initiatives



Dal Molin is one of largest IMCOM-E construction projects to obtain LEED Silver certification - includes over 25 buildings considered a large urban project, comparable to university campus designed/built with sustainable criteria.

## Sustainable Sites

- Pedestrian/bike friendly campus to reduce POV use
- Consolidated parking at the entrance
- Internal perimeter road for service & emergency traffic
- Removed 50 USTs & preserved archeological resources



## Energy and Atmosphere

- Co-generation power plant: natural gas engines increase efficiency & optimize energy re-use
- State-of-Art energy monitoring & control system enhances efficiency
- 30% total reduction of estimated energy consumption
- Use of Zero CFC based refrigerants



## Materials and Resources

- Maximized construction recycling & recyclable materials from local sources
- Enhanced construction waste management recycled up to 50% of materials
- On-site EcoCenter for storage and differentiated collection of recyclables

## Quality of Indoor Environment

- "Green Seal" certified materials w/low VOC emission improves indoor work quality

## Water Savings

- Reduced water consumption in buildings
- Water-saving (low-flow) plumbing fixtures
- Reduced water amount to be treated by the township
- Stormwater reuse to decrease water demand for irrigation & fire protection





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# INSTALLATION MANAGEMENT COMMAND



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*“Sustain, Support and Defend”*