

Delivering Solutions for Water and Sanitation

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Health & Humanitarian Logistics Center
A Unit of the Supply Chain & Logistics Institute

**Georgia
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Delivering Water, Sanitation and Hygiene (WASH) Solutions

March 3, 2011



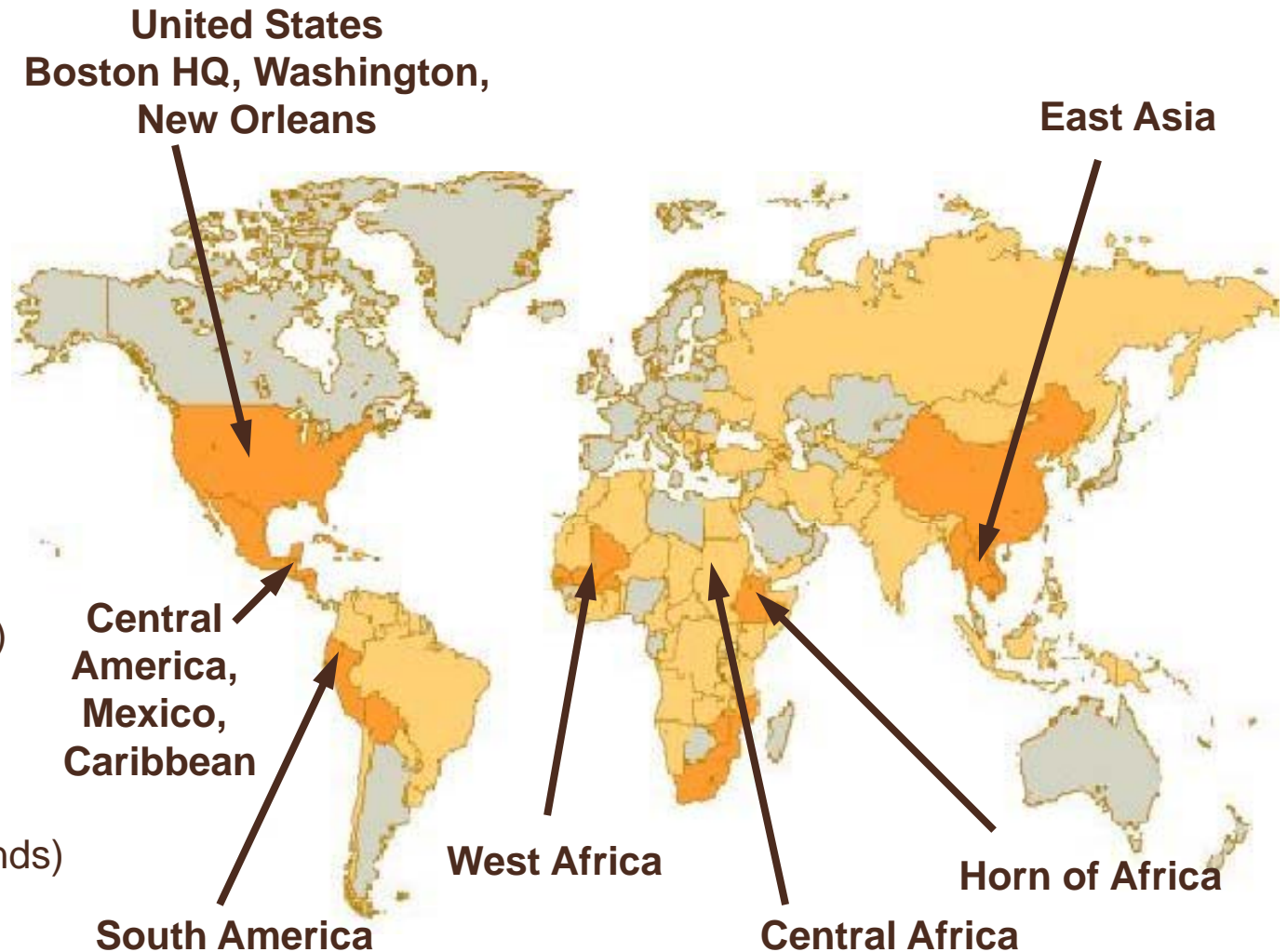
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Overview of Oxfam America

Oxfam International

- Oxfam America
- Oxfam Australia
- Oxfam-in-Belgium
- Oxfam Canada
- Oxfam France
- Oxfam Germany
- Oxfam Great Britain
- Oxfam Hong Kong
- Intermón Oxfam (Spain)
- Oxfam Ireland
- Oxfam México
- Oxfam New Zealand
- Oxfam Novib (Netherlands)
- Oxfam Québec



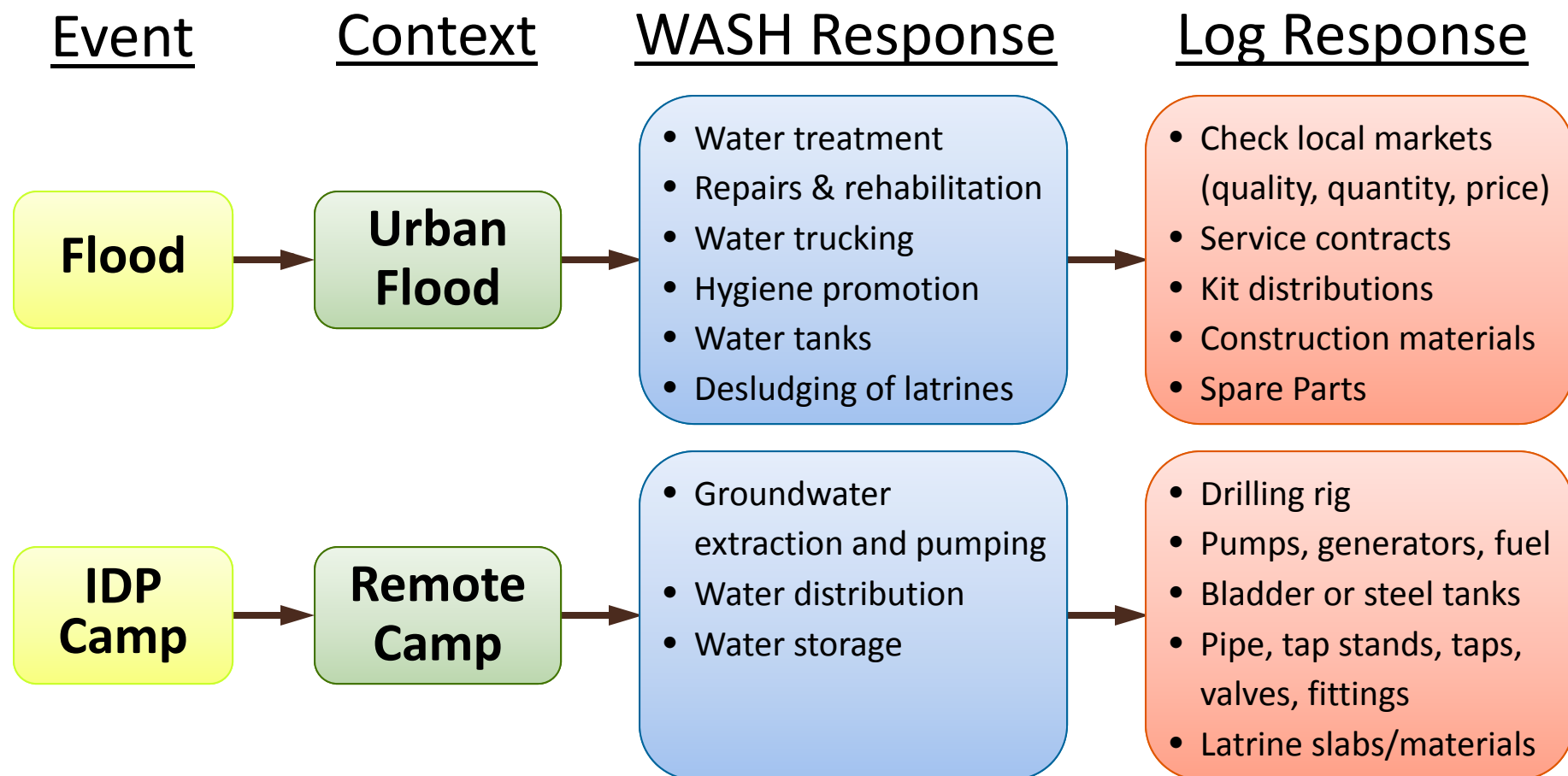
Logistics & Supply Elements



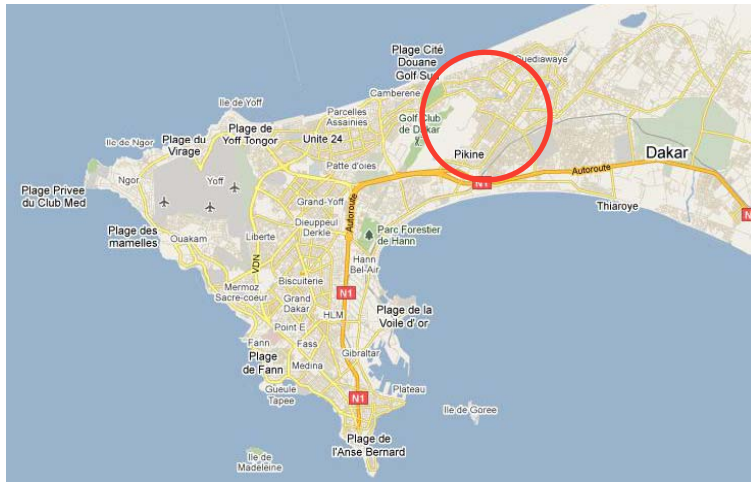
- All elements occur for any humanitarian response
- WASH responses are unique because:
 - Critical timelines
 - Technical equipment (may require import)
 - Special handling needs
 - Maintenance & repair

From Logistics Cluster's Logistics Operational Guide

Typical WASH & Log Responses in Different Contexts – Examples



Urban Flood – Pikine, Senegal (1/2)



- Pikine (near Dakar) flooded in 2010 for second year in a row
- Impoverished area built on a flood plain
- Oxfam America and Partner (EVE) worked with local communities to:
 - Pump water (fuel & rehabilitation of pumps)
 - Distribute Hygiene kits
 - Latrine desludging, backfilling, etc
 - Community cleanup

Urban Flood – Pikine, Senegal (2/2)



WASH Challenges

- Pump & hose maintenance
- “Swimming pool” effect
- Clean-up & rehabilitation



Logistics Challenges

- Customs/taxes
- Access for distributions
- Quality of local supplies
- Skilled labor
- Logistics capacity of partner staff

IDP Camp – Darfur, Sudan (1/2)



- In 2010, some 2 million people – a quarter of Darfur's total population – remained displaced from their homes
- Oxfam America is providing WASH to ~ 300k beneficiaries in North and South Darfur
 - Direct implementation and working through partners
 - Maintaining WASH equipment installed by Oxfam GB
 - Expanding into new areas

IDP Camp – Darfur, Sudan (2/2)



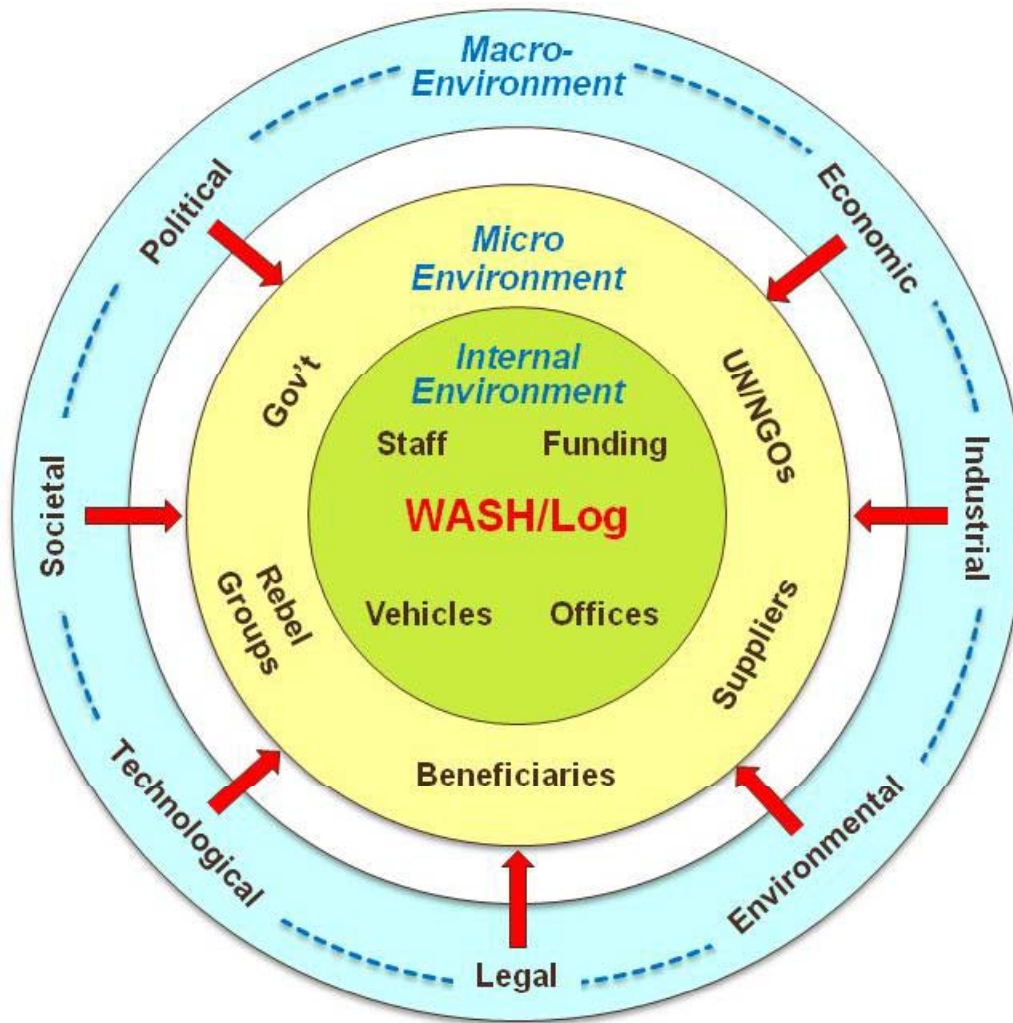
Log Challenges

- Spare parts
- Maintenance & repair staff
- Insecure transport corridors
- Complex risk environment

WASH Challenges

- Groundwater depletion
- Unfavorable geology
- Non-drinking uses of water
- Availability of drilling rigs

WASH & Logistics Research = Systems Approach



- New WASH technologies must make sense within the larger system
 - Impact on local community and environment
 - Logistics & supply needs considered upfront
 - Supportability & operability as design drivers
 - Culturally appropriate
 - Understand context and causalities