



ASSOCIATION OF
METROPOLITAN
WATER AGENCIES



“W- SMART” 2011 International Workshop

Eco-Risks & Contingency Management

Featuring 10 years of post-9/11 Water Security Alliance
for Security – Safety – Sustainability

**W-SMART Goals & State of Current
Initiatives**

Bruno Nguyen

May 11 – 14, 2011, The Hague

W-SMART – Metropolitan Water Security Alliance

1st W-SMART
Workshop
Oct 02, 2001

Terrorism
9/11/01

Post TSUNAMI Workshop
W-SMART- IWA-AMWA-
UNICEF- Sept-2006

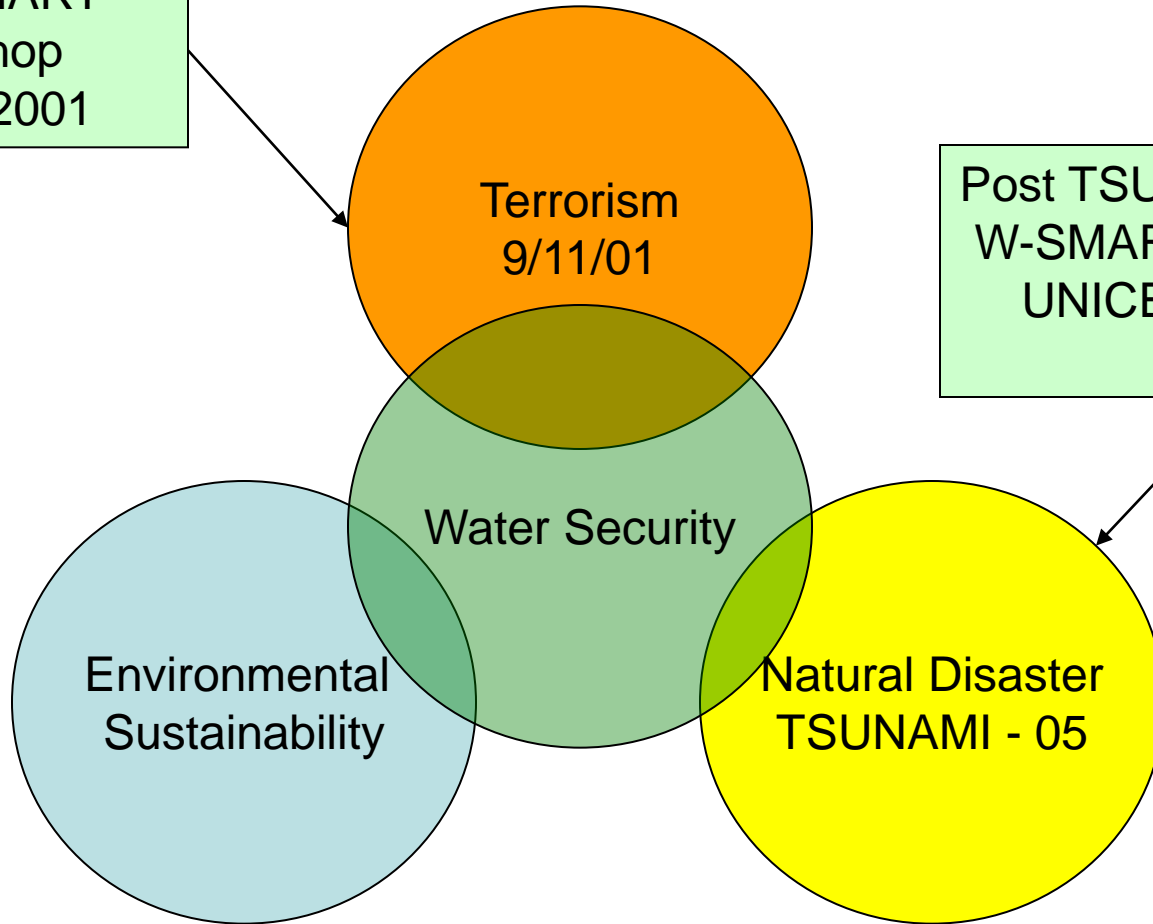
Water Security

Environmental
Sustainability

Natural Disaster
TSUNAMI - 05

Water Sustainability & Climate Change
March 2010

Security – Safety – Eco-Sustainability



W-SMART Activities

- **Annual W-SMART Workshops**

- NETHERLANDS – VEWIN - 2011
- WASHINGTON DC – AMWA - 2010
- LISBON - EPAL, 2009
- TEL AVIV- MEKOROT, 2008
- PARIS - EAU DE PARIS, 2006
- MONTREAL, 2005

- **Projects / Research:**

- BIOCOM Sponsor: French Government
- Preparation of Emergency Response Procedures, Training and Exercises - EPAL, Portugal
- Sustainable and Resilient Sanitation Service Chains in Maputo Province, Sponsor: Swiss Federal Department of Foreign Affairs,
- **BIOCOM phase 2 – utility beta testing**

- **Taskforces:**

- Emergency Response Training – Eric ADAMSE, VITENS
- Global Solidarity facing Natural Disasters – Dr. Joao FIDALGO, EPAL
- Technology Assessment & Demonstration - Dr. Mike FARRIMOND, UKWIR
- SMART Utility Management – Ido ROSOLIO, MEKOROT



Montreal 2010

BIOCOM PROJECT

Industry – University – Water Utility Consortium

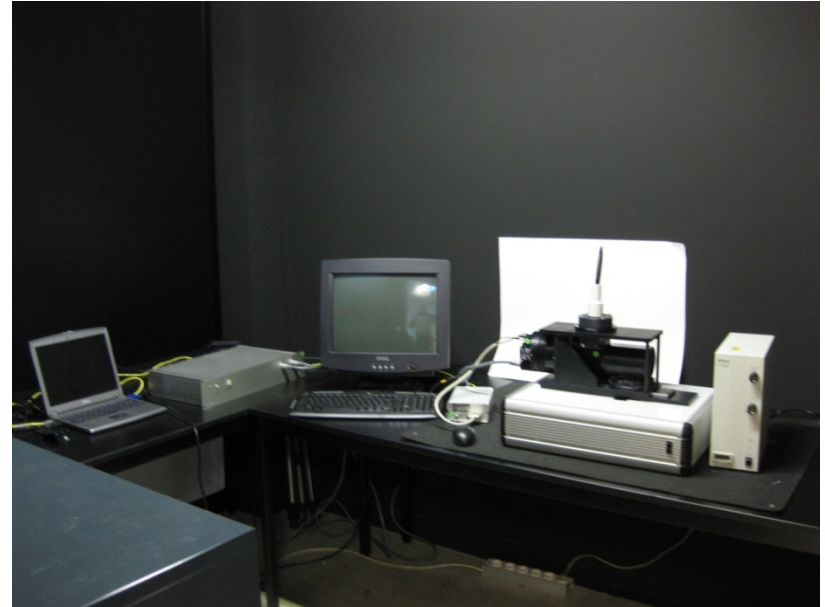
EAU DE PARIS: Water Utility
W-SMART

INERIS – National Industrial
Risk Institute

LILLE UNIVERSITY

KWR: Dutch Utilities' Research
Institute

LHERITIER SAS: French SME,
optics



Integrated technology solution & risk management system
to reduce specific microbial contamination identification
and enumeration from days to less than 3 hours

BIOCOM - *Technology Assessment*

Phase I - Beta Prototype Development

Bio-Detection sensor for rapid (<3.0 hrs), affordable, on-site detection

- **Beta testing at utility sites** EauDeParis + W-SMART
- **Decision support system**
- Severity Assessment & Zoning
INERIS + W-SMART+ EauDeParis

Selected pathogens:

- Anthrax – Univ. Lille
- E coli - KWR

Phase II- Beta testing at utility sites

Objectives

- Updated user requirements
- Improving Detection protocol & Imaging capabilities
- Selecting beta sites
- Developing data analysis support system
- Developing QMRA risk model
- β testing in utility sites
- End users' assessment
- Professional training

Towards Integration for deployment of the early detection systems in risk assessment of bio- contamination



The Urban Disaster Resiliency Forum

Environmentally Sustainable Urban Development

Multi-agency cooperation in exploring with local governments & operators the best strategies to support:

1. **Capacity Building** for planning and building environmentally sustainable water supply and sanitation systems.
2. **Global public awareness** and local educational programs to promote disaster risk management culture
3. **Implement pilot projects** with local governments and operators for upgrading urban disaster resiliency
4. **Financing resources** to support local governments and operators in responding to local priority needs.



The New Orleans Experience

Marcia St. MARTIN (W-SMART, 09)

Emergency Response Training Taskforce

Planning & Assessment of Crisis Management Exercises

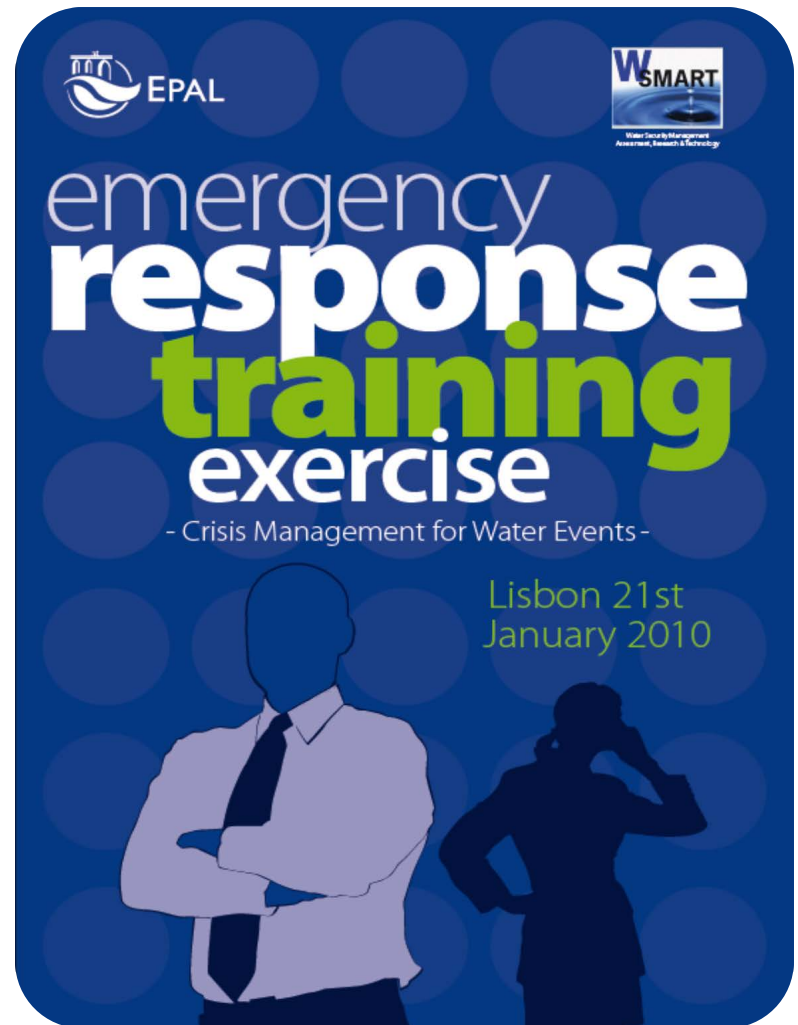
Learning Alliances - Observers Sharing Experiences

- *Sharing observations regarding the practice used for the planning, execution, assessment, and debriefing*
- *Benchmarking assessment methodology for planning and evaluation of water security emergency drills*

Building Upon the Collective Experience

- *Guidelines*
- *Training the trainers*
- *Planning, execution, debriefing and assessment of crisis management exercises*

Flooding Exercise at VITENS, May 11, 2011



W-SMART INFORMATION SYSTEM

The screenshot shows a Mozilla Firefox browser window displaying the W-SMART website. The browser's address bar shows the URL <http://www.w-smart.fr/>. The website has a dark blue header with the W-SMART logo and a navigation menu with the following items: Home, Missions & Organisation, Workshops & Conferences, News, Members, and Contacts.

On the left side, there is a sidebar with the following sections:

- LOGIN**: A link to the login page.
- JV COUNTER**: A digital counter showing 00017. Below it is a table of activity counts:

Today	1
Yesterday	7
Week	14
Month	17
All	17

Below the counter, there is a section for user statistics:

- Your IP: 62.23.237.90
- Total: 1
- Members: 0
- Guest Online: 1
- No member

The main content area is titled "Home" and contains a post published on Monday, 09 May 2011 at 15:36 by "Super User". The post is an announcement for the "W-SMART 2011 International Workshop on Eco-Risks & Contingency Management". The announcement text reads:

W-SMART 2011 International Workshop
on
Eco-Risks & Contingency Management
Featuring 10 years of post-9/11 International Water Security Alliance for Security – Safety – Sustainability
Hosted by Vewin 11 – 14 May 2011
The Hague, The Netherlands

At the bottom of the announcement, there is a link: [>> Final Announcement link <<](#). Below the link is a small image of a building in The Hague, The Netherlands.

The browser's taskbar at the bottom shows the Windows Start button, several open applications (Novel GroupWise, Message De: Genev..., Sans titre (100%) - P...), and the Mozilla Firefox browser window. The system tray shows the date and time as FR, 06:30.