

Linked initiatives to Stoutenberg

Working group 8 - SuSanA

Conference proceedings: www.susana.org

www.susana.org/lang-en/library/conferences

Open access

Contribute to the blog

<http://susanawg8.wordpress.com>

As active contributor or send item to Åse

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Join the wg 8 mailinglist

Info available on the blog page

Proposal to MSB – The Swedish Contingency Agency

**WASH & RESCUE - Water, Sanitation and
Hygiene in RESilient Cities and Urban areas
adapting to Extr^em^e waters**

*Preventing risk to human health and security
taking a holistic, environmental and socio-
economic approach*

Public Health Goals

-A wide definition including ecological & psychological health priorities

PUBLIC HEALTH
Improvement

Perceived RISK =
Hazard &
vulnerability

RIVER BASIN
SCALE: Focus on
ecosystem services
and coordination

LOCAL URBAN LEVEL:
Municipality/ Local government
with focus on planning

TECHNICAL LEVEL:
Technical system and its service, operation
and management components

The 3 LEVELS of
FOCUS in this
research
proposal

Mechanism
OF SOCIAL
LEARNING
AT ALL
LEVELS

(vertical &
horizontal)

Main focus

- Holistic risk assessment (eg water safety plans, sanitation safety plans but also including broader governance and environmental factors) for DRR - preparedness phase.
- Reducing the risks with participatory social learning processes, institutional mechanisms used in the WASH sector, ecosystem and river basin management

5 Case studies:

- Kristianstad municipality, Swe (SL process for flood mitigation and urban planning)
- Maputo, Mozambique (SL learning process for sanitation & urban adaptation)
- Bihar, India (Sida-funded research by SEI & WASH Institute - flood proof sanitation)
- Haiti – (SEI support to DINEPA, MSB social mobilization and sanitation)
- Design of Emergency Shelter Unit (Shelter, Energy, Water & Sanitation) (Formens Hus Foundation and IKEA Foundation, collaboration with UNHCR, MSB, Chalmers)

Results

Good urban planning for resilient cities

- D1.1.1 Holistic risk assessment tool (institutional , social , environmental, cultural, political, economical) to human health (handbook, publications).
- D1.1.2 Concept for GIS tool - interactive, Internet-based, open source.
- D1.2. Socio-economic benefit and potential synergies between the humanitarian and development sector (report, webpage, paper).
- D1.3. Identification of **key ingredients in social learning processes** which improve a society's resilience in preparation for or in response to a disaster, e.g. governance, leadership, coordination, communication, and integration mechanisms (report, policy paper, webpage)

Technology systems for resilient WASH services

- D2.1. Overview of resilient sanitation service chains components and their health impacts
Analysis of factors which are important for sustainability and resilience (report, policy paper,)
- D2.2.1. Survey; documentation and analysis of best practices, challenges and opportunities for scaling up of suitable solutions. (report)
- D2.2.2. Analysis of ways of making technical emergency solutions long lasting and beneficial for long term development (report, policy paper, webpage).

The link to ecosystem management in the river basin:

- D3.1. Overview of synergies with ecosystem management and ecosystem services with basin disaster risk management (report, publications, policy paper)
- D3.2. Analysis of governance and coordination of the river basin required for increased resiliency (report, publications,)