



2nd meeting
Working Group Water and Health
Protocol Water and Health to the UNECE Water Convention



Geneva, Switzerland, 2-3 July 2009

Task Force *Extreme Weather Events*
under the framework of Protocol Water and Health (Lead: MoE Italy)

**The WORK DONE
and
the FUTURE:
Water supply and sanitation in extreme weather
events**

**Luciana Sinisi , ITALY,
Chair TF Extreme Weather Events**

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Mandate

Share experience safe operation of WSS in critical conditions and develop guidance

*Draft a Strategy paper to cope with **CC***

WORK DONE

April 2008- May 2009

- **Rome april 2008 – TF 1st meeting** (*1st year work programme*)

1) Development Guidance Water Supply Sanitation (WSS) in Extremes

- **Guidance Outline and Drafting group establishment - Oct.2008**
- **DG 2nd meeting – Febr. 2009**
- **1st guidance draft ready for transl MAY 2009**

2) Partnership with UNECE Water Convention TF Water & Climate

- **Water and Adaptation Guidance development**
- **International Workshop on Water and adaptation / Amsterdam, july 2008**

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Draft a Strategy paper to cope with CC

Future WORK

July 2009 – fall 2010

July 2009 – presentation of the Guidance WSS to WG Water & Health

July. Sept 2009 – Guidance Review and Drafting process

Oct. 2009 , Geneva– TF 2st meeting : 2nd draft of the guidance discussion,
future work planning

March 2010 – Guidance WSS presentation E&H Ministerial Conference

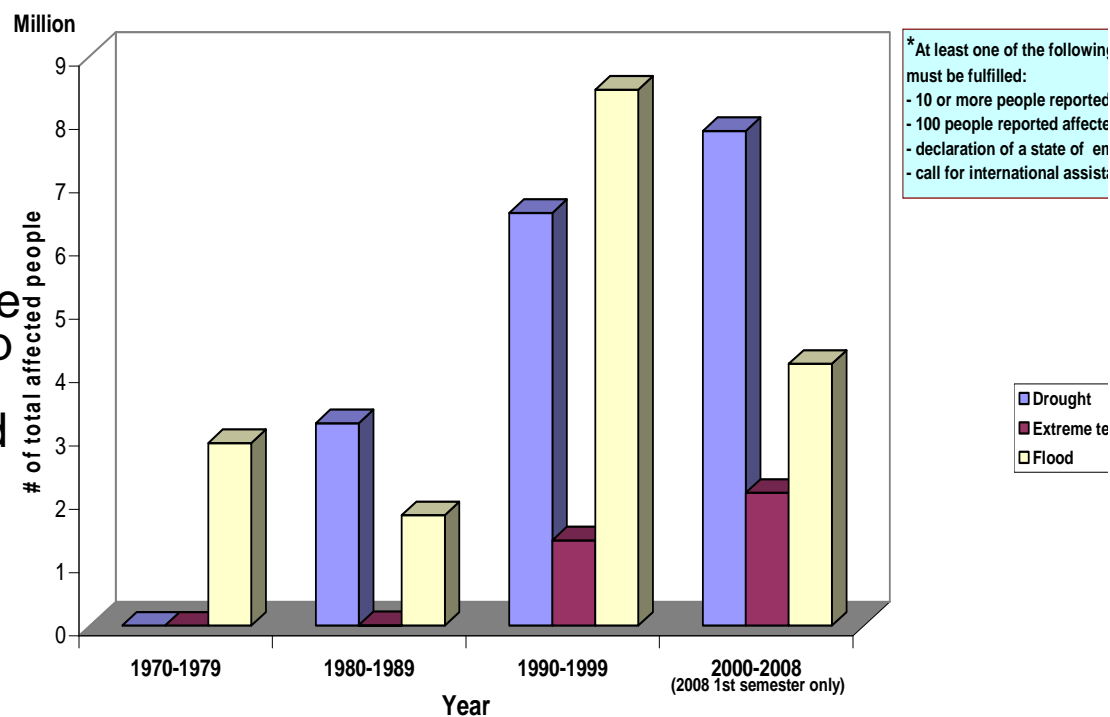
Fall 2010 – 2nd Protocol MoP Guidance finalization for adoption

Guidance on Water Supply and Sanitation in Extreme Weather Events (GL WSS)

Why Climate Change in the Protocol

- Growing concern for Climate Change and Adverse meteorological Events in the Region
- Huge vulnerability of water supply and – specially- sanitation in the Region and transboundary
- Adaptation measures are a chance to improve coping capacities, coop among sectors and between Countries, techn development and **INVOLVEMENT of STAKEHOLDERS**
- WSS are key health determinant and their risk management are generally not included in water management, although they may improve safe water availability

Number of total affected people by drought, extreme temperatures and flood disasters*
in UNECE Region (1970-2008)



* At least one of the following must be fulfilled:
- 10 or more people reported
- 100 people reported affected
- declaration of a state of emergency
- call for international assistance

Source: EM-DAT database by CRED adapted by ISPRA
(CRED= Centre for Research on the Epidemiology of Disasters - Université Catholique de Louvain)

Guidance on Water Supply and Sanitation in Extreme Events

Development and main structure

Current challenges review:

- **Drafting Group**

Several MS and organization but special thanks to Czech Republic, Italy, UK, WECF, WMO and WHO

- **Target**

Water utilities managers
Decision makers

- **AIM**

what do you need to know to be ready (and motivated) to cope with emerging risk raising from recurrent extreme events; link with E&H
Prevention of WBD and disasters
risk reduction management

- Increase number and E&H impacts of extremes in the Region;
- WSS and emerging diseases, water security, safe use of new sources, vulnerability of coastal areas
- High vulnerability of our prevention system in terms of communication, training, multidisciplinary approach, sharing of early warning informations

Adaptation measures

(floods / water scarcity)

- Vulnerability WSS systems and network, specially sanitation;
- Support Technology improvement & dev, training

Task Force Extreme Weather Events invite WG Water and Health

- **GUIDANCE WATER SUPPLY AND SANITATION IN EXTREMES**
- Support expert review and drafting process (July. Sept 2009) by end of august 2009

- **INPUTS FOR FUTURE WORK:**
- TF 2nd meeting discussion (TBD):
 - Pilot (?) for WSS guidance
 - Review of adaptation measures in the Region
 - UNECE Water Convention cooperation
 - Link with other Protocol activities

MAIN QUESTION FOR FUTURE PLAN :

Water Supply and Sanitation & Climate Change:

WHAT IS THE RELEVANCE FOR FUTURE PROTOCOL WORK PROGRAMME?