



**IG-WDRR**

**International Thematic Group for  
Wind-related Disaster Risk Reduction**

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# IG-WRDRR

*Pressing needs of concerted cooperative actions of academic associations, international organizations and local communities.*

## Goals and Objective

*Establish linkages and coordinate various communities to serve as **inter-agency coordinators** with a charter to work with international organizations involving agencies of the UN and involved NGOs, and to embolden their activities that help to serve as a bridge between policy makers and agencies responsible for actually carrying out the DRR at the local community level.*

**HP of IG-WRDRR:**

<http://www.iawe.org/WRDRR/index.html>

## Organization

*IG-WRDRR is a thematic group under the umbrella of UN/ISDR.*

**Iawe**, WMO, TPU, IFRC, ICHARM, UNESCAP, UN-Habitat, UNU, ADRC, BDPC, SEEDS Asia, ADRRN .....

**Iawe**: promotes international co-operation among scientists, engineers and other professionals for advancement of knowledge in the broad field of wind engineering.



# Major Achievements

***Professional activities*** that aimed at capacity building for WRRR, including environmental problems, directly or indirectly.

## Wind Related Damage

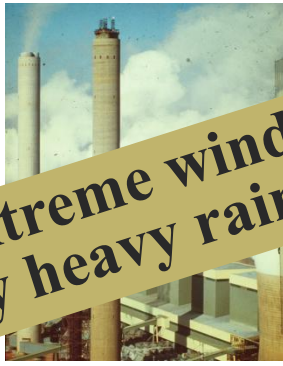


## Resistance Design Method



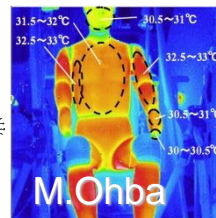
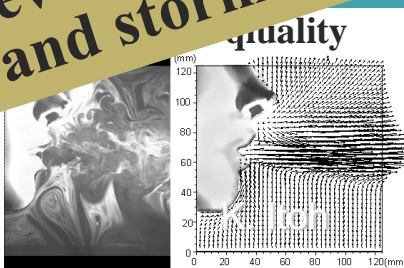
## Pedestrian wind

## Air pollution



## Environmental Problem

**Extreme wind events are almost always accompanied by heavy rain and storm surge and others.**





# Major Achievements

## *Social activities*

### Conferences

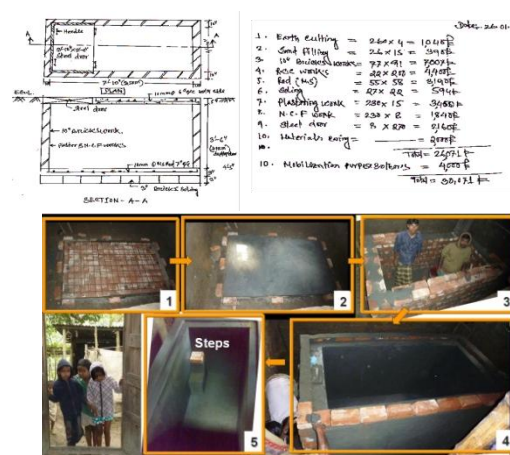


### Conference Hosts

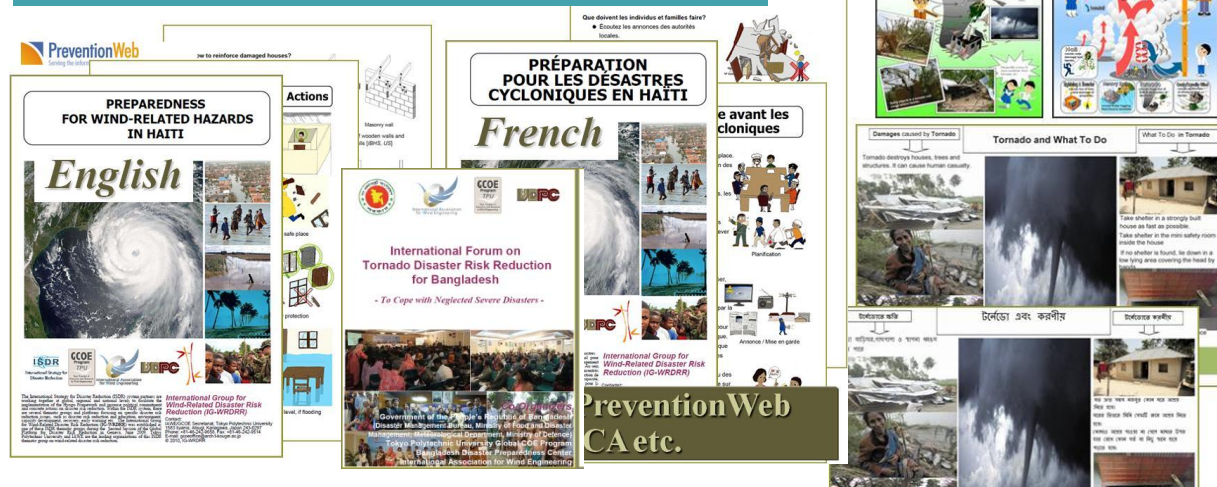


## Initiatives in WRRDRR

- Preparedness for Wind-Related Hazards in Haiti
- Recommendations on Tornado DRR for Bangladesh
- Mini-Safe Room (MSR) Project



## Knowledge Dissemination and Education



# **Future Goals and Contribution to post-HFA**

**WRRR is a big long-term challenge to  
our society !**

- **to implement the Hyogo Framework for Action and post-HFA in the area of wind-related disaster risk reduction;**
- **to establish a database/warehouse of the latest information/technologies relevant to wind-related effects and their mitigation;**
- **to facilitate technology transfer that attends to the needs of local communities exposed to disasters around the world;**
- **to provide assistance to international organizations in the preparation of guidelines to manage the impact of wind-related disasters including evacuation, recovery and reconstruction;**

# Future Goals and Contribution to post-HFA

- to establish an international consensus for extreme winds based on damage relevant to different construction practices;
- to establish international guidelines to prepare for wind-related disaster reduction activities;
- to harmonize wind-loading codes and standards including environmental specifications;
- **to encourage more involvement to a global Engineering Virtual Organization (EVO) for WR DRR; and**
- to hold international workshops/conferences on WR DRR irregularly.

# **Possible Synergies and Overlaps with other networks**

■ **Hazard itself is multi-level and multi-discipline. Synergies and overlaps with other networks are inevitable; However,**

■ **Mutual Knowledge/Technology/Information Exchange between Academic Organizations and International Organizations/Local Communities/NGOs for DRR is very important.**

**Insufficient communication has been made.**



***International Concerted Actions  
for WRRR!***

***We count on your keen  
collaborations!  
Thank you!***