

Kyoto University Global COE Program

**Global Center for Education and Research on Human Security Engineering for
Asian Megacities**

3rd Workshop of GCOE-HSE Mumbai Base on

**Managing and Reducing Social Vulnerability in the Context of Flood Risks
in Mumbai**

In Collaboration with
School of Planning and Architecture, New Delhi, India
Municipal Corporation of Greater Mumbai, Mumbai, India

Supported by
Sir J.J. College of Architecture, Mumbai, India

21 – 22 January, 2011
Mumbai, India

Introduction:

Kyoto University GCOE-HSE Mumbai Program organizes its third workshop in Mumbai on 'Managing and Reducing Social Vulnerability in the context of Flood Risks in Mumbai' on January 21 and 22, 2011

In the increasing globalised world, megacities are emerging as very complex systems. They offer and render economic wealth, asset and opportunities and at the same time they are also increasingly challenged by natural and manmade disasters. Loss of life, livelihood, and infrastructure systems due to disasters are frequent paralyzing the cities.

Mumbai, a mega city of twenty million people is the financial capital of India and the land of opportunity for millions. It is also highly prone and vulnerable to various disaster risks exacerbated by high density, extensive unplanned development and persistence of slums and poverty. The high risk scenario threatens sustainable development and competitiveness of the city.

The 2005 flood disaster of Mumbai took the life of hundreds, damaged and destroyed thousands of residential and commercial buildings, roads, household and public properties, paralyzed the suburban railway system, the life line of the city. The financial cost of the flood was unprecedented and the flood halted the entire commercial, trading and industrial activities for days. The regional and national importance of the city is so great and vital that the city could not afford to lag behind efforts toward risks reduction and risk management including promotion of disaster resiliency in communities and ensuring participatory pro-active action at all levels within a frame for Integrated Disaster Risk Management. A growing number of national and international bodies, governments, academics, and civil society organizations, in the context, are searching for better ways, particularly applicable and implementable solutions and prescriptions, for better risk management and preparedness in large cities.

This workshop focuses on flood risks vulnerability of megacity Mumbai and is aimed to discuss reduction of flood risks vulnerability at the city and sub-city levels and how best to prepare for, respond to and recover from flood disaster. This necessitates a multidisciplinary approach, involving not only scholars in multiple disciplines (e.g. from engineering to social sciences, urban and land use planning to economics and finance), but also practitioners in the different fields, public policy makers at the national and community level, and community and NGO representatives.

Conference Aims and Scope

- 1) Sharing experience, ideas and knowledge among different stakeholders including city government, research institutes, civil society and practitioners dealing with Mumbai disaster risks issues
- 2) Progress of GCOE-HSE Mumbai Base program
 - a) What GCOE-HSE Mumbai Base intended to achieve
 - b) What GCOE-HSE Mumbai Base has done so far
 - c) What GCOE-HSE Mumbai Base should look for
 - d) To develop a road map for GCOE-HSE Mumbai Base
- 3) Building networks with and among different stakeholders and institutions

Date

Date: January 21 and 22, 2011

Venue

Sir J.J. College of Architecture
78/3 JJ College
Mumbai G.P.O (Fort),
Mumbai,
Maharashtra-400001, India

Registration

No Registration Fee

Participating Intuitions / Organizations

Name of the Intuitions / Organizations
Disaster Prevention Research Institute (DPRI), Kyoto University, Japan
GCOE-HSE Mumbai Base, Kyoto University, Japan
Municipal Corporation of Greater Mumbai (MCGM) School of Planning & Architecture, New Delhi Sir J.J.College of Architecture, Mumbai Jamsetji Tata Centre for Disaster Management, Mumbai (TISS)

Indian Institute of Technology (IIT), Mumbai
Mithi River Development Authority, Mumbai
Mumbai International Airport Authority
Mumbai Port Trust Authority
Civil Defence, Mumbai
MASHAL (NGO) , Mumbai
United Way of Mumbai (NGO), Mumbai
YUVA India(NGO), Mumbai

PROGRAM SCHEDULE

DAY 1 (JANUARY 21, 2011)

<p>Registration 10:00 – 10:30</p>
<p>Session 1</p> <p>Welcome and Inauguration</p> <p>Time: 10:30 – 11:00</p>
<p>Norio Okada Director, Disaster Prevention Research Institute, Kyoto University, Japan</p> <p>Hirokazu Tatano Leader, GCOE Mumbai, Kyoto University, Japan</p> <p>M.M. Dalvi Professor, Sir J.J. College of Architecture, Mumbai, India</p>

Tea Break

11:00 – 11:10

Session 2

Keynote Speech & Opening Dialogue

Time: 11:10 – 12:00

11:10 – 11:35

Norio Okada

Director, Disaster Prevention Research Institute, Kyoto University, Japan

11:35 – 12:00

Hirokazu Tatano

Professor, Kyoto University, Japan

Session 3

“Conceptual and Methodological Approach to Social Vulnerability Assessment” – Part 1

Time: 12:00 – 12:55

Chair: Norio Okada

12:00 – 12:20

B. Misra

Senior Advisor & Coordinator, KU-GCOE Mumbai Project

12:20 – 12:40

Kavas Kapadia

Professor & Dean of Studies, School of Planning & Architecture (SPA), New Delhi, India

12:40-13:00

Discussion

Lunch Break
13:00 - 14:00

Session 3

“Conceptual and Methodological Approach to Social Vulnerability Assessment” – Part 2

Time: 14:00 – 15:00

Chair: Hirokazu Tatano

14:00 – 14:20 Jacquleen Joseph
Professor, Jamsedji Tata Centre for Disaster Management (JTCDM), Mumbai, India

14:20 – 14:40 Rajiv Mishra
Professor and Principle, Sir J.J. College of Architecture, Mumbai, India

14:40 – 15:00 Discussion

Tea Break
15:00 - 15:15

Session 4

“Perception of Social Vulnerability” – Part 1

Time: 15:15 – 16:05

Chair: Joshi civil defense

15:15 – 15:30 Sharad Mahajan
Head, MASHAL, Mumbai, India

15:30 – 15:45 Ajay Govale
Program Director, United Way of Mumbai, Mumbai, India

15:45 – 16:05 Discussion

DAY 2 (JANUARY 22, 2011)

Session 4

“Perception of Social Vulnerability” – Part 2

11:00-12:15

Chair: Dange

11:00 – 11:15 Devendra Kumar P. Jain
Assistant Municipal Commissioner, G-North Ward, Municipal Corporation of Greater
Mumbai (MCGM), Mumbai, India

11:15 – 11:30
Civil Defense, Mumbai, India

11:30 – 11:45 M.M. Dalvi
Professor, Sir J.J. College of Architecture, Mumbai, India

11:45 – 12:15 Discussion

Session 5

“Integrated Disaster Risk Management (IDRiM) & Critical Infrastructure”

Time: 12:15 – 13:30

Chair: Kavas Kapadia

12:15 – 12:30 Nitin Sawant (Tentative)

Emergency Planner, Mumbai International Airport Authority, India

12:30 – 12:45

Suhas Sawant (Tentative)

Safety Officer, Mumbai Port Trust, India

12:45 – 13:00

P. V. Suresh

Mumbai Civil Defense, India

13:00 – 13:30

Discussion

Lunch Break

13:30 - 14:30

Session 6

“Technical Options for Better Risk Reduction”

Time: 14:30 – 15:45

Chair: Prof. B.Misra, GCOE Mumbai

14:30 – 14:45

Kapil Gupta (Tentative)

Professor, Indian Institute of Technology (IIT), Mumbai, India

14:45 – 15:00

Hirokazu Tatano

Professor, Kyoto University, Japan

15:00 – 15:15

Sanjukta Bhaduri

Professor & Head of the Urban Planning Department, School of Planning & Architecture (SPA), New Delhi, India

15:15 – 15:45

Discussion

Tea Break
15:45 – 16:15

Session 7

“Policy Options for Better Risk Reduction and the Possible Role of the Local Communities, Mumbai”

Time: 16:15 – 17:00

Chair: Norio Okada

16:15 – 16:35 S.S. Shinde
Joint Municipal Commissioner, Municipal Corporation of Greater Mumbai (MCGM),
Mumbai

16:35 – 16:55 B. Misra
Senior Advisor & Coordinator, Ku-GCOE Mumbai Project

16:55 – 17:15 Open Discussion

Session 8

Closing remarks

Time: 17:20 – 17:40

Chair

17:20 – 17:30 Rajiv Mishra
Professor and Principal, Sir J.J. College of Architecture, Mumbai, India

17:30 – 17:40 Hirokazu Tatano
Professor, Kyoto University, Japan

Vote of Thanks

17: 40-17:50

17: 40-17:50

S. Samaddar

GCOE, Mumbai

Group photo – 18.05

Dinner – 19. 00