

## **TC303 Coastal and River Disaster Mitigation and Rehabilitation (Floods)**

**設立趣旨:**国際地盤工学会 TC として、新たに TC303 Coastal and River Disaster Mitigation and Rehabilitation (略称 Floods)が設立され、井合進教授（京大防災研）がその Chair を引き受けることになった（2009-2013 期）ことに伴い、JGS としてその活動をサポートするために国内委員会を設置するものである。当該分野での第一人者として活躍中の専門家が協力し、TC 活動を実質的に推進する母体としての国際的視点に立った活動を行う。なお、活動費用は年間 20 万円を予算計上している。

### 1. General

Technical Committee 303 (TC303) ‘Coastal and River Disaster Mitigation and Rehabilitation’ (short name ‘Floods’) is a new Technical Committee (TC) of the ISSMGE created for the period 2009-2013 under the wider theme of ‘Impact on Society’. TC303 continues the work of the former TC39 ‘Geotechnical Engineering for Coastal Disaster Mitigation and Rehabilitation’, which was focused on tsunami risk following the 2004 Sumatra earthquake in Indonesia. TC303 on Floods will build on the work of TC39 by addressing disaster mitigation and rehabilitation measures not only for tsunami but also for other sources of catastrophic flooding including hurricane, rainstorm and storm surge induced riverine and coastal flooding events, such as the 2005 Hurricane Katrina disaster in New Orleans, USA or Typhoon Morakot, which devastated parts of Taiwan in 2009.

TC303 will provide a forum for active participation by individual members of ISSMGE to improve understanding of the geotechnical engineering issues surrounding catastrophic flooding events. The TC will achieve this objective through three task forces, which will assimilate and disseminate geotechnical engineering knowledge relevant to coastal and river disaster mitigation and rehabilitation through publications and a major conference to be held in Indonesia in 2011.

### 2. Terms of Reference (Tentative)

- 1) Disseminate knowledge and practice on coastal and river disaster mitigation and rehabilitation to the membership of the ISSMGE.
- 2) Establish guidelines and technical recommendations on coastal and river disaster mitigation and rehabilitation.
- 3) Assist with technical programs of international and regional conferences organized by the ISSMGE through promotion to present the findings of the TC in main and discussion sessions.
- 4) Interact with industry and other relevant organizations working on coastal and river disaster mitigation and rehabilitation.

### 3. Task forces and deliverables (Tentative)

Task Force 1: Completion of a book on ‘Geo-disasters in Coastal Areas: Processes, Rehabilitation and Case Histories’, a continuing project from TC39;

Task Force 2: Preparation of guidelines and recommendations for geotechnical engineering practice in coastal and river disaster mitigation and rehabilitation;

Task Force 3: Organisation of the 3rd International Conference on Geotechnical Engineering for Disaster Mitigation and Rehabilitation, Semarang, Indonesia, May 2011.

Note: TC guidelines (excerpt from the ISSMGE president message: 180 days report, April 4, 2010)

New guidelines have been developed and I ask the new Chairs to read them carefully. They are attached. There will be a Chair, a Vice Chair, and a Secretary for each TC. In addition there will be 4 members chosen by TOC and 4 members chosen by the Chair. Each TC is asked to identify a number of Tasks to work on, with a schedule and deliverables. The Tasks will be handle by subcommittees of the TC which will be chaired by Task Leaders. The Task Leaders along with the Chair, the Vice chair, and the Secretary will form the Executive Group of the TC. Note that Core Members no longer exist. All National Societies can now nominate up to 2 members for each TC.