How to arrive

Howard Civil Service International House

No. 30, Sec. 3, XinSheng S. Rd., Taipei, 10660, Taiwan

CORFU
FP7 Collaborative research on flood resilience in urban areas

Public Transport:

THSR
Taoyuan (Airport) →Taipei

MRT Xindian Line
G9 Taipower Building Station
(Exit 2)

Invitation letter:
mhhsu@nuu.edu.tw

Free registration

Limited capacity

Register 13th-23th May

The event will be held in Chinese but some speeches will be in English. A simultaneous translation service will be available if needed.

For more information:

Wen-Cheng, Liu
wcliu@nuu.edu.tw

This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no: 244047
This study was also funded by the Ministry of Science and Technology under grant no. 101-2923-I-239-001-MY2

www.corfu7.eu

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FINAL WORKSHOP
TAIPEI CASE STUDY
26th to 28th May 2014

CORFU
FP7 Collaborative research on flood resilience in urban areas

Collaborative Research on Flood Resilience in Urban areas
Taipei Case Study Team

ORGANIZATION

Ministry of Science and Technology

UNIVERSITY OF EXETER

www.corfu7.eu

CORFU at a glance

Title: Collaborative research on flood resilience in urban areas

Instrument: FP7-ENV, CP-SICA

Total Cost: 4,711,598 €

EC Contribution: 3,490,000 €

Duration: 48 months

Start Date: 01/04/2010

Consortium: 17 partners from 10 countries

Project Coordinator: Slobodan Djordjević, University of Exeter, UK

Key Words: Flood resilience, urban flooding, rainfall patterns, climate change, hazard assessment, risk management, resilience measures

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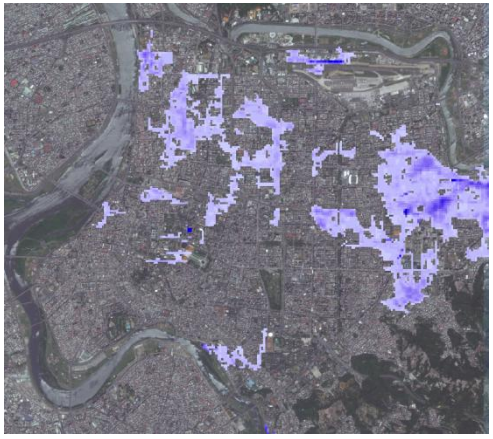
The Challenge

In Europe and Asia, hundreds of severe floods in the first decade of 21st century led to more than one thousand deaths, displacement of half a million people and damage and economic losses amounting to tens of billions of Euros. Projections of climate change and urban growth indicate that flood risk will be exacerbated in many regions.

Consequently, governments, policy makers and communities worldwide are forced to review flood management strategies and invest more in portfolios of measures. The EU Floods Directive and the wider EU Flood Action Programme call for improved flood forecasting and early warning systems as well as for flood risk mapping.



25yr inundation map in Taipei city

Project objectives

Collaborative research on flood resilience in urban areas (CORFU) is an interdisciplinary international project that looks at advanced strategies and measures for improved flood management in cities. Through a four-year collaborative research programme, the latest technological advances will be cross-fertilised with traditional and emerging approaches to living with floods.

Project objectives include determination of the interactions between economic and urban growth, societal trends and the urban structure; real time urban flood forecast systems development; assessment of health impacts of flooding by combining hydraulic modelling with QMRA; enhancement of existing flood risk management strategies, all through a series of case studies.

The overall aim of CORFU is to enable European and Asian institutions to learn from each other through joint investigation, development, implementation and dissemination of strategies that will enable more scientifically sound management of the consequences of urban flooding in the future.

The advancements of the project have been demonstrated in several case studies: Barcelona, Beijing, Dhaka, Hamburg, Mumbai, Nice, Taipei, Incheon/Seoul. In this workshop, the results of the Barcelona case study, focusing on the Raval District, are presented.

FINAL WORKSHOP
26th to 28th May 2014

27th May 9:00-9:30	Reception of the participants Venue: Howard Civil Service International House No. 30, Sec. 3, XinSheng S. Rd., Taipei, 10660, Taiwan
9:30-10:30	Welcome and introduction • Workshop introduction (Prof. Ming-Hsi, Hsu) • The CORFU project (Prof. D. Slobodan) • The CORFU movie
10:30-11:00	Taipei case study within the CORFU project WP1-Driver and WP2-Modelling (Prof. Tsang-Jung, Chang)
11:00-11:15	COFFEE BREAK
11:15-11:45	Taipei case study within the CORFU project WP3- Damage and WP4-Adaptive (Prof. Wen-Cheng, Liu)
11:45-12:15	Barcelona case study (X. Llort)
12:15-13:30	LUNCH
13:30-14:00	Integrated flood simulation on basin scale and its application in emergency response Dr. Jiun-Huei, Jang (National Science and Technology Center for Disaster Reduction, NCDR)
14:00-14:30	Early warning system for disaster preparedness using ensemble precipitation system Dr. Tsun-Hua, Yang (Taiwan Typhoon and Flood Research Institute, TTFRI)
14:30-14:45	COFFEE BREAK
14:45-15:15	Monitoring and simulation of flood water stage for early warning in the storm-sewer system Dr. Jihn-Sung, Lai (Hydrotech Research Institute, National Taiwan University)
15:15-15:45	Dr. Chi-Ming, Chen (Sinotech Engineering Services, Ltd)
15:45-16:30	Discussions Wrap-up and conclusions of the workshop (Prof. Ming-Hsi, Hsu)