

Action C22

Urban Flood Management



Participating countries: CY, CR, FR, DE, GR, HU, LU, NL, NO, PL, SE, SL, ES, UK

Chair of the Action: Prof. Chris Zevenbergen, NL, c.zevenbergen@duravermeerdiensten.nl

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Working Group 1

Flood Probability Assessment

Main activity on models and tools to assess the probability of floods and on measures to reduce its probability (protection against floods (flood defence) and modify flow (water retention and storage). Expertise and experience from different fields of science will be integrated (engineering, climate change, meteorology, geography, geology, GIS techniques, EIA, SEA, economics, ecology, management sciences etc.).

Working Group Leader: Prof. Erik Pasche, pasche@tu-harburg.de

Working Group 2

Flood Impacts Assessment

Applied research on models and tools to assess the impacts (economic, ecological, social and cultural) of flooding. Theoretical research on measures and techniques to assess and decrease flood vulnerability (urban drainage and flood proofing, construction engineering and design)."

Working Group Leader: Andreas Vassilopoulos, vassilopoulos@gcparks.com

Working Group 3

After Flood Rehabilitation

Has focus on flood recovery measures and methods of damage compensation (e.g. construction and maintenance engineering, renovation and reconstruction engineering, real estate appraisal, flood insurance).

Working Group Leader: Stephen Garvin, garvins@bre.co.uk

Working Group 4

Towards integrated approaches to increase resilience and robustness (for the prevention and mitigation of flood risk in urban areas).

Is working towards integration in breadth and depth across COST C22 action, with particular focus and emphasis on policy, process and awareness, socio-economics, natural processes and land use and how use of the various approaches and frameworks from WG 1-3 can help to deliver better urban flood risk management.

Working Group Leader: Prof. Richard Ashley, r.ashley@sheffield.ac.uk

Objectives:

- Increasing knowledge required for prevention and mitigation of potential flood impacts to urban areas by exchanging experiences, developing integrated approaches, promoting the diffusion of best practices in Urban Flood Management.
- Gather and share information on the subject across Europe with respect to theory, methods, and practical experiences.
- Process and present the information in a form that others can learn from it.
- Initiate R&D projects for the EU's 7th Framework programme.
- Stimulate national R&D initiatives, increase awareness of the importance of UFM in general.
- Secure good dissemination of results using seminars, proceedings and papers in journals and a website.

Main Achievements:

- C22 Urban Flood Management conference with call for papers at the International Conference AquaTerra, February 2007.
- C22 Urban Flood Management Proceedings... after conference AquaTerra, February 2007
- Publication 'Advances in Urban Flood Management' 2007. This book addresses a broad spectrum of relevant issues in the emerging field of urban flood management.
- Presentations at international conferences/workshops about urban flood management.