

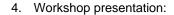


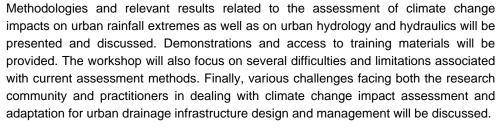
## WORKSHOP 1



- 1. Workshop title: Impacts of climate change on rainfall extremes and urban drainage systems
- 2. Organiser / working group: JCUD International Working Group on Urban Rainfall (IGUR)
- 3. Chair(s):

Patrick Willems (Patrick.Willems@bwk.kuleuven.be) Karsten Arnbjerg-Nielsen (kan@env.dtu.dk) Thomas Einfalt (einfalt@hydrometeo.de) Simon Beecham (simon.beecham@unisa.edu.au)





Workshop topics: Climate change simulation; Modeling of urban rainfall extremes in a stationary context; Study of rainfall and urban runoff variability and trends in a nonstationary context; Statistical downscaling of rainfall extremes; Climate factors and changes in IDF relationships; Climate change impacts on urban drainage: results and regional differences; Needs for adaptation and flexible designs.



Schedule: 10:00am - 4:00pm

Registration rate: 120 €

Language: English

9. Preliminary programme (see below)







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## Programme

Time slot	Workshop Activity / Topic	Presenters
9:30 - 10:00	Registration	
10:00 - 10:15	Introduction: workshop overview	Patrick Willems
10:15 – 11:00	State-of-the art review on climate change & urban drainage: general overview of different aspects involved	
11:00 – 11:45	Statistical downscaling methods	Karsten Arnbjerg-Nielsen & Patrick Willems
11:45 – 12:00	Interactive discussion of downscaling needs and methods with participants	
12:00 – 12:30	Role of radar data in climate change impact analysis (e.g. spatial downscaling)	Thomas Einfalt
12:30 - 12:45	Interactive discussion of radar use with participants	
12:45 - 13:45	Lunch break	
13:45 – 14:30	Climate change impacts on urban drainage: experiences from Denmark and abroad	Karsten Arnbjerg-Nielsen
14:30 – 15:00	Need for adaptation and flexible design	Simon Beecham
15:00 – 15:15	A catalogue of best practice measures for climate adaptation in urban areas	Thomas Einfalt
15:15 – 15:30	Interactive discussion on climate change impacts and adaptation needs with participants	Karsten Arnbjerg-Nielsen & Simon Beecham
15:30 – 16:00	Presentation of training materials	Patrick Willems
16:00	Closure	