



1st UNESCO IHPVI WORKSHOP
INTEGRATED URBAN WATER MANAGEMENT
IN COLD CLIMATE
 NTNU, Trondheim, Norway, 3 – 4 November 2005



PROGRAM

The site for the workshop is on NTNU campus at Gløshaugen. The first day of the workshop is to be held in Kjelhuset, the boiler house, at Gløshaugen campus just behind the main building. The second day is to be at Department of hydraulic and environmental engineering at Valgrinda in the south outskirt of the campus.

Thursday 3rd November 2005.

08:30 – 09:00 REGISTRATION
 09:00 – 09:30 OPENING SESSION
Chairman Sveinn T. Thorolfsson

Welcome from NTNU
 Welcome from city of Trondheim
 Welcome from UNESCO

Hallvard Ødegaard, Head of Department.
 Mrs Rita Ottervik, The mayor of Trondheim
 Wilf V. Gilbrich

SESSION A: INTRODUCTION LECTURES
Chairman Sveinn T. Thorolfsson

09:30 – 10:00 Opening speak
 Haakon Thaulow, Norwegian Institute for Water Research (NIVA)

10:00 – 10:30 Coffee brake

10:30 – 12:00 Invited papers.
 Cedo Maksimovic, Sveinn T. Thorolfsson, John Sansalone

12:00 – 13:00 Lunch

SESSION B: INTRODUCTION TO THE WORKSHOP
Chairman Alvina Reihan

13:00 – 14:30 Introduction to the Workshops. Setting stage by the reporters of the 4 groups

Group no.	Theme	Room no	Chairperson	Reporter
1	Sewer networks and transport	B 24	Alvin Reihan	Sveinn T. Thorolfsson
2	Drinking water supply and treatment	Kjel 2	Asle Aasen	Fredrik Ording
3	Model development and data collection	Kjel 121	Cedo Maksimovic	Bernt Matheussen
4	Stormwater transport and melt processes	Kjel 123	Maria Viklander	John Sansalone
5	Low Impact Development and Natural treatment systems	Kjel 124	Kaija Puhakka	Ørjan Stål

14:30 - 15:00 Coffee brake

15:00 – 16:45 Work in groups continue
 Presentations of the group work so far and a summary for the day.

16:46 – 17:00 Presentation on the excursion next day.
Finn Bjørgum

19:00 Dinner at Tyholt tårnet (Tower of Tyholt) 68 meters above ground.
 You see it from almost everywhere in Trondheim



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Friday 4th November 2005

- SESSION C: THE EXCURSION**
Chairman: Finn Bjørgum.
 08:00 – 12:30 Excursion, see programme
- SESSION D: WORKSHOP CONTINUES**
Chairman: Cedo Maksimovic
- 12:30 – 14:15 Workshops continue with groups from yesterday.
 14:15 – 14:35 Coffee brake
 14:35 – 15:45 Work in one group
 Presentations for the workshops
- 15:45 – 16:30 Discussions – summary on; “The working group proceeding”.
 16:30 – 17:00 Conclusions and closing.
- 17:00 – 17:45 Walking through the university campus, “Gløshaugen”, including the Main building and the Realfags building on the way to the hotels downtown.
- 17:45 Finished
- Evening session for invited and interested persons:
 Discussions on a book on; “Urban Water Management in CC”.
 Proposal to the content , see enclosure

EXCURSION

08:00 – 12:30, 4th November 2005

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| 08:00 | Departure from the hotels by bus to Ladehammeren Sewage Treatment plant. Presentation on the sewerage systems. Pollution situation of brooks and rivers. Pipe rehabilitation projects. Underground excursion to the treatment works and intake. | 11:00 | The Water Treatment Plant VIVA. Introduction on the raw water quality in Jonsvatn (Jon’s Lake). Hydrological challenges. Intake structure. Treatment facilities |
| 09:30 | Site visit to reopening of the stream “Ilabekken” | 11:30 | Lunch at VIVA. |
| 10:15 | Risvollan urban hydrological measuring station and field laboratory | 12:20 | Return to NTNU |

Co-organizers:



Sponsors:





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