

# Urban Hydrological Sustainability Workshop

## Enviropolis

Enhancing Urban Environmental Education



Henry David THOREAU FOUNDATION

Sponsored by the Henry David Thoreau Foundation

### Description:

Urban sustainability is the ability for urban areas to maintain the quality of life for future generations by integrating legal, economic, ecological, and social components. The present role of urban water management consists of flood control, sufficient and safe drinking water, and adequate disposal of treated wastewater. These current roles of urban water management are not sustainable hydrologically, ecologically, hydrologically, nor economically. This workshop will contribute to the enhanced understanding of the urban sustainability issue by addressing surface water base flow and groundwater flow depletion solutions, "greening" remedies to landscape planning, and societal solutions.

The workshop will also include Northeastern University student presentations as part of the MTV-GE Ecomagination Challenge.

<http://www.ecocollegechallenge.com/>

### Agenda:

8:30	Registration
	<b>Welcome &amp; Workshop Overview</b>
9:00	– Vladimir Novotny (Northeastern University, CDM Chair Professor, Department of Civil and Environmental Engineering) – Ferdi Hellweger (Northeastern University, Assistant Professor, Department of Civil and Environmental Engineering)
9:15	<b>Keynote Presentation: Restoring the Charles River watershed using flow trading</b> – Kate Bowditch (Charles River Watershed Association, Director of Projects)
9:55	<b>MTV/GE Ecomagination Challenge</b> – Team Planeteers (J.Hafensteiner, A. Parkinson, K. Maxfield, B. Pailles, and C. Eva, NEU Students )
10:20	<b>MTV/GE Ecomagination Challenge</b> – The Green Mean Fighting Machine (C. Motto, S. Mackey, K. O'Brien, M. Stringer, and J. Tamburrini, NEU Students )
10:45	Coffee Break
11:05	<b>Keynote Presentation: Ground Water and cities</b> – Peter Shanahan (MIT Department of Civil and Environmental Engineering, Senior Lecturer)
11:45	<b>MTV/GE Ecomagination Challenge</b> – Team Payne (M. Payne, K. Crowder, J. Fosbrook, R. McGlaulin, and J. Roy, NEU Students)
	Lunch (served)
12:10	<b>Keynote Presentation: Green Infrastructure for cities: the spatial dimension</b> – Jack Ahern (UMass-Amherst, Chairman of the Department of Landscape Architecture and Regional Planning)
1:20	<b>Keynote Presentation: Ecosystem Resilience and Institutional Change</b> – Lee Breckenridge (Northeastern University, Professor of Law)
2:00	<b>MTV/GE Ecomagination Challenge</b> – Team MacDougall (D. MacDougall, S. Brunner, R. Hayes, J. Kharivala, and R. Khatib, NEU Students )
2:25	<b>MTV/GE Ecomagination Challenge</b> – Team Renaudo (E. Renaudo, J. De Wolfe, J. Hersh, J. Hurley, and E. Schroth-Nichols, NEU Students)
2:50	Coffee Break
3:05	<b>MTV/GE Ecomagination Challenge</b> – The Flowmakers (A. Fitzpatrick, S. Alleva, M. Barry, D. Doran, and C. Reardon, NEU Students)
3:30	<b>MTV/GE Ecomagination Challenge</b> – Team Marshall (J. Marshall, T. Caisse, G. Douillard, S. Forrest, and A. Molina, NEU Students)
3:55	<b>MTV/GE Ecomagination Challenge</b> – Team Miller (W. Miller, M. Alsumait, J. Appleton, A. Campo, and R. Salomon, NEU Students)
4:20	<b>Closing Remarks</b> – Vladimir Novotny (Northeastern University, CDM Chair Professor, Department of Civil and Environmental Engineering)

**Location:** Northeastern University, Boston, Massachusetts (90 Snell Library)

**Dates:** December 1, 2006

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Center for Urban Environmental Studies



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