Sustainability Assessment of Urban Water

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10 de setembro de 2018
10h00
Auditório da Biblioteca
Universidade de Trás-os-Montes e Alto Douro

10h - Abertura
Presidente da ECT-UTAD
Direção do departamento de Engenharias, ECT-UTAD
Prof. Cristina Matos

10h15- Prof. Sandra Pereira- UTAD

Apresentação do projeto "ENERWAT: Water to energy: characterization, modelling and measures for the reduction of urban and rural household consumption."

10h45 - Prof. Eran Friedler- Faculty of Civil and Environmental Engineering in the Technion – Israel

"A multi-objective LCA-based model for sustainability assessment of urban water reuse alternatives at various centralization scales"

11h30 - Debate
Moderador: Prof. Isabel Bentes- UTAD

Enerwat Nexus

Sandra Pereira is researcher in the fields of energy efficiency and building energy consumption, has also some experience in budgets in the construction sector and in projects investment analysis. Currently she is IR of the project ENERWAT - Characterization, modeling and measures for the reduction of urban and rural household consumption.

Friedler develops concepts of integrated urban water systems where alternative water sources are interlaced with existing infrastructure as means to increase sustainability. He is a leading researcher on greywater reuse. He co-authored the book Greywater Reuse and some 80 peer-reviewed journal papers. He is an Assoc. Editor of Urban Water J.

Seminário no âmbito do projeto "ENERWAT : Water to energy: characterization, modelling and measures for the reduction of

urban and rural household consumption. “com a presença do Professor Eran Friedler da Faculty of Civil and Environmental Engineering in the Technion – Israel.

Eran Friedler is a Professor in the Faculty of Civil and Environmental Engineering in the Technion – Israel Institute of Technology. He is also a Visiting Professor at Shantou University, China. He is a member of several national steering committees on environmental regulation, science and education. He is a member of the Urban Storm Water Harvesting group of the Joint Committee of Urban Drainage of IWA & IAHR, and an Associate Editor of Urban Water Journal. In 2017 he was chosen as an International Honorary Member of The American Academy of Environmental Engineers and Scientists.
Friedler devotes much of research efforts to conceive, investigate and develop sustainable future urban water regime. He develops new scientific and applied concepts for the establishment of an integrated urban water cycle where alternative water sources are interlaced with existing urban water and wastewater infrastructure as means to increase the sustainability of urban water use. Among these, his research on various facets of greywater reuse puts him among the leading researchers on the subject. He is a co-author of the book “Greywater Reuse” (CRC Press & IWA Publishing). He has authored more than 80 papers in peer-reviewed journals, given invited talks in conferences and many other publications.