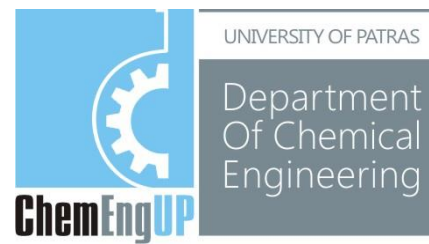


## OBJECTIVES

- Introduction of environmentally-friendly sustainable technologies and processes to manage wastewater disposal systems.
- Improvement of actual wastewater plants using environmentally friendly technologies with pilot and demonstration projects in the field of the reduction of marine pollution
- Reduction of marine pollution with the introduction of reusing treated water for civil use
- Enhancement of knowledge and awareness of the stakeholders in the field of reduction of water pollution and of treated water management with cross-cutting measures.
- Comparison, in terms of cost and effluent quality, of a classical tertiary treatment train with a final UVC/H<sub>2</sub>O<sub>2</sub> treatment with the ultrafiltration.
- Design of new STPs or modernization of already existing STPs, which discharge their effluents in a marine environment sensitive as the ones of Ionian and Adriatic seas.
- RE-WATER aims to prevent marine pollution, will guarantee the quality of STP effluents, will reuse treated effluents, according to European regulations.



## Re-water - Eco technologies for the wastewater management Interreg V-A Greece-Italy 2014-2020

**WORKSHOP 24<sup>th</sup> & 25<sup>th</sup> February 2020**  
**Chemical Engineering Department, University of Patras**

**"Alkiviades C. Payatakes" Library**



## 24<sup>th</sup> February -1<sup>st</sup> part

Time	Agenda	Speakers
9:00- 9:15	REGISTRATION	
09:15 – 09:45	Welcoming speech	<b>A. Papanikitas</b> , President of Municipal enterprise of water supply & sewage of Patras. <b>Prof. G. Angelopoulos</b> , Vice Rector for Students care and infrastructures, Energy and Sustainability, University of Patras. <b>Prof. N. Aspragathos</b> , Vice Mayor of Municipality of Patras, <b>V. Aivalis</b> , President of Technical Chamber of West Greece
09:45-10:00	RE-Water Project	<b>Dr. V. Sygouni</b> , Dep. of Chemical Eng., UPatras
10:00-10:30	Installation of the pilot membrane system- Testing phase results	<b>Prof. C.A. Paraskeva</b> , Dep. of Chemical Eng., UPatras
10:30– 11:00	Coffee break	



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## 24<sup>th</sup> February -2<sup>nd</sup> part

11:00-11:30	Wastewater Recycling. Cases of application studies in Greece	<b>Prof. M. Leotsinides</b> , Medical School, UPatras
11:30-11:50	Decision Making System on the Safe Reuse of urban wastewaters and biosolids in agriculture	<b>S. Kyritsis</b> , Informatics, Member of the Research Team of Sustainable Waste Management Technologies Laboratory HOU
11:50-12:10	Wastewater treatment with high organic load using anaerobic digestion	<b>K. Tsigkou</b> , Chemist, Ph.D. Candidate. Lab. of Biochemical Engineering and Environmental Technology (LBEET) Dept. of Chemical Eng., UPatras.
12:10-12:30	Biological treatment and utilization of waste using microalgae	<b>Dr. E. Koutra</b> , Lab. of Biochemical Engineering and Environmental Technology (LBEET) Dep. of Chemical Eng., UPatras.
12:30-13:00	Proposal for a regulation of the European Parliament and of the council on minimum requirements for water use. Current situation and basic issues.	<b>Dr. M. Sklivaniotis</b> , Chemical Engineer, DEYAP, former Head of the Quality and Water and Wastewater Treatment departments.
13:15	Lunch	

## 25<sup>th</sup> February

Time	Agenda
10:00 – 10:30	REGISTRATION
10:30 – 13:00	<b>Tour at the wastewater treatment plant of Patras</b>
13:00-13:30	Lunch
15:00-16:00	Discussion with students, at the Dep. of Chemical Eng. UPatras

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