

## Summer School in Wastewater Management (WWSS15)

### Monday

<b>08:45 - 9:00</b>	Welcome and introduction	I. Kalavrouziotis
<b>09:00 - 10:00</b>	Wastewater management	D. Vayenas
<b>10:00 - 11:00</b>	Introduction to new technologies	D. Vayenas
<b>11:00 - 11:15</b>	Coffee Break	
<b>11:15 - 12:00</b>	Wastewater flows: challenges for ecosystems and human health	G. Cisse
<b>12:00 - 13:00</b>	Wastewater management under climate change: adaptation challenges	G. Cisse

### Tuesday

<b>09:00 - 10:00</b>	Phosphorus recovery from wastewater	H. Steinmetz
<b>10:00 - 11:00</b>	Biological nitrogen removal: microbiology and energetics	G. Lyberatos
<b>11:00 - 11:15</b>	Coffee Break	
<b>11:15 - 12:00</b>	Conventional and emerging configurations for biological nutrient removal from wastewaters	G. Lyberatos
<b>12:00 - 13:00</b>	Phosphorus removal processes in wastewater treatment	A. Brenner
<b>13:00 - 14:00</b>	Application of the sequencing batch reactor (SBR) for wastewater treatment	A. Brenner

### Wednesday

<b>10:00 - 11:00</b>	Sludge reduction approaches in wastewater treatment plants. The Patras case study	M. Sklyvaniotis
<b>11:00 - 11:15</b>	Coffee Break	
<b>11:15 - 12:00</b>	Dewatering technologies in sludge and biosolids treatment	N. Galil
<b>12:00 - 13:00</b>		
<b>16:00 - 19:00</b>	Mine water management and treatment	K. Komnitsas

### Thursday

<b>09:00 - 10:00</b>	Advanced oxidation processes for wastewater treatment	D. Mantzavinos
<b>10:00 - 11:00</b>	Tannery wastewater treatment by advanced oxidation processes	G. Lofrano
<b>11:00 - 11:15</b>	Coffee Break	
<b>11:15 - 12:00</b>	Principles of membrane technology: ultrafiltration, nanofiltration and reverse osmosis in regards to energy consumption	G. Oron
<b>12:00 - 13:00</b>	Case studies of membrane technology application for wastewater treatment and reuse	G. Oron

### Friday

<b>09:00 - 10:00</b>	Wastewater reuse	M. Salgot
<b>10:00 - 11:00</b>	Reuse case studies in Spain	M. Salgot
<b>11:00 - 11:15</b>	Coffee Break	
<b>11:15 - 12:00</b>	The safe reuse of the TMWW in agriculture	I. Kalavrouziotis
<b>12:00 - 13:00</b>	Health impact of wastewater reuse in agriculture: a case study from an African urban context	G. Cisse
<b>13:00 - 14:00</b>	Anaerobic (co)digestion and digestate post-treatment in municipal WWTP	F. Fatone
<b>14:00 - 14:30</b>	Closing Remarks	I. Kalavrouziotis

<b>Saturday</b>		
<b>09:00 - 13:00</b>	Technical tour to the WWTP of Patras	M. Sklyvaniotis D. Vayenas I. Kalavrouziotis