

## TEACHING AND SITE VISITS PROGRAM

The Spring School accepts 25 participants.

### BEFORE THE SPRING SCHOOL

Each registered participant will be requested to [FILL UP A SPECIFICALLY DEVELOPED SWM CHECKLIST](#) provided in advance by the organizers.

Filled up CHECKLISTS will be used to prepare discussion on a few selected 'case studies'.

### SPEAKERS

Classes are to be provided by highly qualified SWM professionals and university professors.

### PROGRAMME

MONDAY, MAY 20TH 2019		
<b>9:00 – 13:00</b>	<p>The principles of SWM planning in situations where the current system is ineffective.</p> <p>The Integrated Sustainable WM approach.</p> <p>Definitions relevant for legislation: types and origin of waste; the EU waste catalogue; SWM activities and operations.</p>	LECTURE
<b>LUNCH</b>		
<b>14:30 - 17:30</b>	<p>Work-groups discussion of the <a href="#">CHECKLIST</a> previously filled up by participants.</p> <p>The technical and organizational elements of an Integrated SWM system.</p>	PARTICIPANTS DISCUSS THEIR ABILITY TO FILL UP THE CHECKLIST  LECTURE

TUESDAY, MAY 21TH 2019		
<b>9:00 – 13:00</b>	<p>The legal and institutional framework necessary to an effective and efficient SWM.</p> <p>Illustration of the structured design method and of the practical tools to be used in writing a SWM National Strategy or City Action Plan.</p> <p>How to describe a SWM system: the WASTE FLOW ANALYSIS.</p>	LECTURE
<b>LUNCH</b>		
<b>14:30 - 17:30</b>	<p>The chain for the recovery of materials from municipal and industrial waste.</p> <p>The importance of segregated collection.</p> <p>The criteria to develop full collection coverage and to activate the segregated collection of selected fractions.</p>	LECTURE

<b>WEDNESDAY, MAY 22TH 2019</b>		
<b>9:00 – 13:00</b>	<p>The application of the WASTE FLOW ANALYSIS approach to improve ineffective SWM systems.</p> <p>The Life Cycle Assessment of alternative WM scenarios to define environmental impacts and support WM planning.</p> <p>Application of the WASTE FLOW ANALYSIS to design the evolution of an ineffective SWM system. Examples could be derived from participant's country if sufficient data were provided with the entrance Checklist.</p>	LECTURE
<b>LUNCH</b>		
<b>14:30 - 17:30</b>	Visit to a plant for the sorting of waste dry fractions from segregated collection.	SITE VISIT

<b>THURSDAY, MAY 23TH 2019</b>		
<b>9:00 – 13:00</b>	Description of the WASTE FLOWS of the current situation of 'case studies' submitted by participants.	LECTURE
<b>LUNCH</b>		
<b>14:30 - 17:30</b>	<p>The economics of SWM: criteria of costs-revenues accounting to keep a city budget for SWM.</p> <p>SWM private sector strategies: decision drivers to invest in projects.</p> <p>Bankability and affordability in SWM: definition and drivers for improvement for cities.</p> <p>Analysis of cost and revenue flows for various Waste treatment technologies (LF, WtE, AD, Pyrolysis...) = impact on contractual risks, notion of interface and risk allocation.</p> <p>Contractual models for SWM: Management contract, O&amp;M, DB, DBO, DBFO....</p>	LECTURE

<b>FRIDAY, MAY 24TH 2019</b>		
<b>9:00 – 13:00</b>	<p>The actors of an integrated SWM system.</p> <p>How to build an inclusive decision making process.</p> <p>Strategies for dealing with the challenges of community engagement.</p>	GROUP-WORK
<b>LUNCH</b>		
<b>14:30 - 17:30</b>	Review of CHECKLIST and WASTE FLOW ANALYSIS CASES to assess how participation to the Spring School has provided understanding of SWM design.	LECTURE PARTICIPANTS HANDS-ON

<b>SATURDAY, MAY 25TH 2019</b>		
<b>9:00 – 13:00</b>	Anaerobic digestion plant: treating organic waste from segregated collection.	SITE VISIT
<b>LUNCH</b>		

CERTIFICATE OF ATTENDANCE WILL BE PROVIDED BY ISWA.