

## Workshop 1: Introduction course (Professional development)

Place: Surrey University

Dates: April 28- 30, 2014

Training event	Topic/subtopic		Day	Length [hrs]	Responsibility	
S1	<b>Introduction to bio-renewables &amp; bio-refineries:</b>		1 (April 28)			
	S1.1a	Introduction to RENESENG project: 1. Welcoming introduction 2. Introduction to the project: aim, structure, individual/institution responsibility, expectations		1	UoS	
		Industrial perspective of bio-refining and bio-renewables – external/industrial speaker: 1. Commercial needs and opportunities 2. Real-life challenges and (perceived) solutions		2	NTUA/Imperial	
	<b>Introduction to bio-refining and bio-renewables (related fundamentals and topics):</b>					
	S1.2a	1. Introduction to bio-renewables and bio-refinery technologies (gasification, digestion, fermentation ....) 2. Systems engineering approach 3. Introduction to process flow-sheeting		2	NTUA	
S1.2a	4. Introduction to biorenewables value chain optimisation 5. Case study and tools for biorenewable SCs optimisation	2	Imperial			
<b>Personal skills:</b>						
T1	T1.1	Organising & managing research	2 (April 29)	1	UoS	
	T1.2	Project & personal time management				
<b>Research methods and principles:</b>						
T2	T2.1	General research principles: defining the project requirements, organising experiments, organising and conduction literature review	2 (April 29)	2	UoS	
	T2.2	Writing research/project proposals, reporting and presenting the research outcomes		2		
	T2.3	Group work: organising research of RENESENG project (in parts)		3		
	T2.4	Presentation to RENESENG project team: organisation of research on RENESENG project (4 x 15 minutes)	3 <b>(April 30)</b>	1	UoS	