

POSTGRADUATE SPANISH-MOROCCAN COURSE ON ORGANIC WASTE RECOVERY

Tuesday, 13th Dec.		Wednesday, 14th Dec.		Thursday, 15th Dec.		Friday, 16th Dec.	
9:00-10:00	Delivery of documents	Prof. Dr. Arturo Chica Pérez. University of Cordoba – Spain. “ <i>Management of organic waste in Europe</i> ”				Prof. Dra. Elizabeth Duarte and Lopo Carvalho. Instituto Superieur de Agronomia, Lisboa – Portugal. “ <i>Waste Management – the role of Anaerobic Digestion. Case studies</i> ”	
10:00-11:00	Opening act Arturo F. Chica and Hassan El-Bari, coordinators for the cooperation project UCO-Kenitra	Prof. Afilal Mohamed Elamin. Mohamed Premier, University of Oujda – Morocco. “ <i>The total yearly theoretical biogas energy potential of northern Morocco</i> ”				Prof. Dr. Jose Luis Garcia Morales. University of Cadiz - Spain. “ <i>Wastewater sludge: main characteristics and treatment technologies. Characterization and treatments for sludges of WWTPs</i> ”	
11:00-11:30	<i>Coffee Break</i>	<i>Coffee Break</i>		Technical visit to the biomethanitation plant of MSW and composting palnt "Sierra Sur Jaén" and Technical visit to the Heineken Factory		<i>Coffee Break</i>	
11:30-12:30	Prof. Dr. Antonio Martín Martín. University of Cordoba – Spain. “ <i>Fundamentals of Anaerobic Digestion</i> ”						
12:30-13:30	Prof. Dr. Rafael Borja Padilla. Instituto de La Grasa, CSIC, Sevilla – Spain. “ <i>Anaerobic digestion of two phases olive mill solid residue by one and two stage processes</i> ”	Technical visit to the center treatment, recovery and composting of Cordoba				Prof. Dr. Joaquin Moreno Casco. University of Almeria – Spain. “ <i>Microbiological aspects of composting</i> ”	
13:30-14:30	Prof. Dra. Maria Angeles Martín Santos. University of Cordoba – Spain. “ <i>Anaerobic co-digestion for agroindustrial wastes</i> ”						
15:00-16:00	<i>Lunch</i>	<i>Lunch</i>		<i>Lunch</i>		<i>Lunch</i>	
16:00-19:00	Prof. Dr. Hassan El Bari . President of Moroccan Association of Solid Waste (AMADES-Morocco), Ibn Tofail University, Kénitra – Morocco. “ <i>The Anaerobic Digestion and the Mass Balance Models</i> ”	Prof. Dr. Hassan Chouaouta. Président de l’Association des Experts en Gestion des Déchets Municipaux au Maroc (AMEDE). “ <i>The waste sector in Morocco. Legal and economic challenges for a sustainable treatment of organic waste</i> ”		Tourist Visit to Medina Azahara		Conclusions and evaluation End of course	
	Discussion Forum <i>What technologies exist to the best treatment of organic waste? The news challenges for Morocco in energy field and the potential with the organic waste</i>	Nabil Baamrani .Commune de Kénitra - Morocco. “ <i>The project of waste transfert station in Kénitra and organic waste fraction sorting and recovery</i> ”					
				Gala dinner (21:00)		Tourist Visit in Córdoba (20:00)	