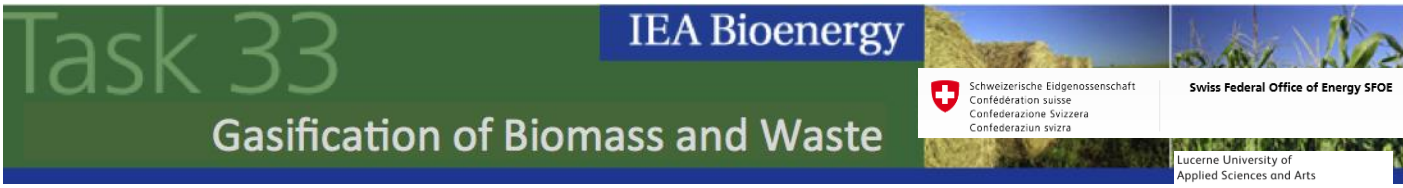

Workshop IEA Bioenergy Task 33
26. October 2016 @ HSLU Lucerne University of Applied Sciences, room C201

Gas Sampling, Measurement and Analysis (GSMA) in Thermal Gasification Processes

09:00	Welcome	Sandra Hermle, SFOE / Kevin Whitty, University of Utah, task leader IEA Bioenergy Task 33 / Martin Rüegsegger, T33 ETECA
9:15	General overview for Energy Gas Applications	
	9:15	Overview energy gas specifications Oliver Stankiewitz, Nordur Power Grid Association, Switzerland
	9:40	Just add hydrogen - Making the most out of a limited resource Ilkka Hannula, VTT Finland
	10:05	Gasification and combustion, comparison of the potential Thomas Nussbaumer, Verenum, IEA Task 32 Bioenergy
10:30	Coffee 15’	
10:45	Gas Sampling, Measurement and Analysis Science	
	10:45	Gas Analysis Working Group (GAW): Status and perspectives York Neubauer, TU-Berlin; Serge Biollaz, PSI
	11:10	Measurement and characterization of tars using the SPA method On-going developments on tar analysis Kevin Whitty, University of Utah, USA
	11:40	Synergies in gas sampling research T32 and T33 Thomas Nussbaumer, Simon Roth, Peter Zotter, Bioenergy Research Group, Lucerne University of Applied Sciences
	11:55	Short Walk to Combustion Lab HSLU
	12:00	Lab tour: Gas Measurement, Lucerne University of Applied Sciences, Horw
12:30	Lunch	
14:00	Gas Sampling, Measurement and Analyses on Pilot, Demonstrations and early Commercials	
	14:00	GSMA on the bioliq process Mark Eberhard, KIT Karlsruhe
	14:20	GSMA in Güssing Reinhard Rauch, TU-Wien
	14.40	GSMA at the CHP-Plant Stans Bernhard Boecker-Riese, BR-Engineering
15:00	Coffee 20’	
	15:20	Laws and proof of legal emissions from biomass conversion installations Christoph Baltzer, BECO (Dep. Environment Bern Switzerland)
	15:40	Gas quality and conversion of biogas (Gas turbines Gas engines) Jürgen Karg Siemens AG Power and Gas Division, Erlangen Germany
	16:00	Discussions Wrap up by Kevin Whitty, University of Utah, task leader IEA Bioenergy Task 33
17:00	Closure	