

LIVESTOCK AND CLIMATE CHANGE: ASSESSMENT OF EMISSIONS, MITIGATION OPTIONS AND ADAPTATION STRATEGIES, Zaragoza (Spain), 11-15 February 2019

Hour	Monday 11	Tuesday 12	Wednesday 13	Thursday 14	Friday 15
9:00-10:00	Opening	Greenhouse gases from livestock systems <b>A. del Prado, D. Styles</b>	What should we model and why? Types of models <b>A. del Prado, K. Klumpp</b>	Climate change adaptation strategies for livestock <b>V. Blanfort</b>	Socio-economic assessments and policies <b>S. Pellerin, D. Moran</b>
10:00-11:00	Context <b>A. Mottet, A. del Prado</b>	Measuring and monitoring livestock GHG emissions and sinks <b>F. Estellés, K. Klumpp</b>	Life cycle assessment (LCA): products footprints <b>D. Styles</b>		
<b>Coffee break</b>					
11:30-12:30	Context <b>A. Mottet, A. del Prado</b>	Measuring and monitoring livestock GHG emissions and sinks <b>F. Estellés, K. Klumpp</b>	Mitigation: Productivity gains and efficiency <b>A. del Prado</b>	Discussion on climate change adaptation opportunities <b>V. Blanfort, A. del Prado, F. Estellés, D. Styles, K. Klumpp, A. Mottet</b>	Socio-economic assessments and policies <b>S. Pellerin, D. Moran</b>
12:30-13:30	Discussion based on the situation, perspectives and challenges in participants' countries <b>A. Mottet, A. del Prado, F. Estellés</b>		Better integration of livestock in circular bioeconomy <b>D. Styles</b> Demand-side approaches <b>F. Estellés</b>	Synergies and trade-offs between mitigation and adaptation measures. Examples of successful practices <b>A. del Prado</b>	
<b>Lunch break</b>					
15:00-16:00	Greenhouse gases from livestock systems <b>A. del Prado, D. Styles</b>	Measuring and monitoring livestock GHG emissions and sinks <b>F. Estellés, K. Klumpp</b>	Enhancing carbon sinks/offsets <b>K. Klumpp</b>	Practical work Global to subnational scale and LCA approach: FAO Global Livestock Environmental Assessment Model interactive (GLEAM-i) <b>A. Mottet, V. Blanfort, A. del Prado, F. Estellés, D. Styles, K. Klumpp</b>	Round table discussion <b>S. Pellerin, D. Moran, A. del Prado, F. Estellés, A. Mottet</b>
16:00-17:00		Practical work Livestock GHG National Inventories: basic calculation of Tier I emissions based on a country case <b>D. Styles, A. del Prado, F. Estellés, D, K. Klumpp</b>	Practical work Estimation of soil carbon sequestration <b>K. Klumpp, A. del Prado</b>		
17:00-18:00	Practical work A simple field scale model for grassland systems: NCYCLE <b>A. del Prado, F. Estellés</b>				
18:00-19:00					