

Online Advanced Course

LIVESTOCK AND CLIMATE CHANGE: ASSESSMENT OF EMISSIONS, MITIGATION OPTIONS AND ADAPTATION STRATEGIES, 19-30 October 2020

Week 0 – Deferred videos (flexible schedule)

Institutional videos from organizers (IAMZ/GRA/FAO/ICARDA/Red REMEDIA/4 per 1000 initiative) Video Technological tools (A. Schlageter)

Week 1 – Livestreaming

Hour	Monday 19	Tuesday 20	Wednesday 21	Thursday 22	Friday 23
15:00-15:30	Programme presentation A. del Prado		Live session for questions A. del Prado		Live session for questions K. Klumpp, F. Estellés, A. Mottet, A. del Prado
15:30-16:00	Context A. Mottet, A. del Prado		Introduction to practical work 1 <u>K Klumpp</u>, A. del Prado		Discussion of practical works 1 and 2 K Klumpp, A. del Prado
16:00-16:30	Discussion based on the situation, perspectives and challenges in participants' countries A. Mottet, A. del Prado, F. Estellés		Introduction to practical work 2 <u>A. del Prado</u>		Introduction to practical work 3 <u>F. Estellés</u>, A. del Prado, K. Klumpp
16:30-17					

Week 1 – Personal work – Recorded sessions (flexible schedule)

Monday 19	Tuesday 20	Wednesday 21	Thursday 22	Friday 23
	Greenhouse gases from livestock systems A. del Prado	Enhancing carbon sinks/offsets K. Klumpp	Practical work 2 Calculating CH4 from slurry systems using new IPCC 2019 spreadsheet Tutorial from A. del Prado	Practical work 3 Livestock GHG National Inventories: basic calculation of Tier I emissions based on a country case Tutorial from F. Estellés
	Productivity gains and efficiency / Better integration of livestock in circular bioeconomy A. del Prado	Practical work 1 Estimation of soil carbon sequestration Tutorial from K. Klumpp and A. del Prado	IPCC National GHG inventories and methodologies and how to improve them A. Mottet, A. del Prado	
		Direct mitigation and optional technologies / Demand-side approaches F. Estellés	New 2019 IPCC inventories guidelines A. del Prado	

Week 2 – Livestreaming

Hour	Monday 26	Tuesday 27	Wednesday 28	Thursday 29	Friday 30
15:00-15:30	Discussion of practical work 3 F. Estellés, A. del Prado, K, Klumpp	Live session for questions F. Estellés, K. Klumpp		Live session for questions G. Pardo, A. Mottet, A. del Prado	Live session for questions S. Pellerin, D. Moran
15:30-16:00		Introduction to practical work 4 S. Ozkan, A. Mottet		Discussion of practical work 4 S. Ozkan, A. Mottet	Round table discussion S. Pellerin, D. Moran, A. del Prado, F. Estellés, A. Mottet
16:00-16:30					
16:30-17					

Week 2 – Personal work – Recorded sessions (flexible schedule)

Monday 26	Tuesday 27	Wednesday 28	Thursday 29	Friday 30
Measuring and monitoring livestock GHG emissions and sinks F. Estellés, K. Klumpp	Life cycle assessment (LCA): products footprints G. Pardo	Climate change adaptation strategies for livestock A. Mottet – S. Ozkan	Socio-economic assessments and policies S. Pellerin, D. Moran	
What should we model and why? / Types of models A. del Prado, K. Klumpp	Practical work 4 Global to subnational scale and LCA approach: FAO Global Livestock Environmental Assessment Model interactive (GLEAM-i) Tutorial from S. Ozkan - A. Mottet			
	Synergies and trade-offs between mitigation and adaptation measures. Examples of successful practices A. del Prado			