

GREENHOUSE GAS ASSESSMENT AND MITIGATION IN AGRICULTURE: CONCEPTS, METHODS AND SIMULATION TOOLS

Zaragoza (Spain), 16-20 October 2023

Hour	Monday 16	Tuesday 17	Wednesday 18	Thursday 19	Friday 20
9:15-10:15	Opening	3.1. Direct and indirect GHG emissions: general concepts 3.2. Options for reducing direct N ₂ O and CH ₄ emissions	5. GHG estimation tools 5.1. Process-based models 5.1.1. Overview, data requirement, limitations and opportunities, applications	5.1.4. Challenges of scaling up K. Paustian	5.3.2. Practical work: (continuation) R. Teixeira, A. Del Prado
10:15-11:15	1. Context M. Bernoux	3.3. Options for reducing indirect GHG emissions: N leaching and atmospheric reactive N A. Sanz-Cobeña	5.1.2. Field-scale models for GHG estimation J. Álvaro-Fuentes, A. del Prado	5.2. Life cycle analysis (LCA) R. Teixeira	
Coffee break					
11:45-12:45	1. (Continuation) M. Bernoux	3.3. (Continuation) 3.5. Barriers and opportunities for GHG mitigation in agriculture A. Sanz-Cobeña	5.1.3. Regional and global models K. Paustian	5.2. Life cycle analysis (LCA) R. Teixeira	7. Carbon farming challenges and opportunities 7.1. Is carbon farming a realistic solution to climate change? E. Milne
Lunch break					
14:00-15:00	2. Measuring agricultural GHG emissions and SOC changes K. Klumpp	4. National GHG inventories 4.1. IPCC-based methods 4.2. Overcoming drawbacks, limitations and uncertainties in different national conditions	4.3. Improving national inventories: national case studies: Chile To be decided	6. Decision-making oriented tools E. Milne	7.2. Carbon market opportunities in agriculture M. J. Sanz
15:00-16:00	2. Measuring agricultural GHG emissions and SOC changes K. Klumpp	4.3. Improving national inventories: national case studies: UK L. Cárdenas	4.4. Practical work (continuation) L. Cárdenas, A. del Prado, J. Álvaro-Fuentes	6. Decision-making oriented tools E. Milne	Coffee break
Coffee break					
16:15-17:15	3. GHG mitigation options for cropping systems 3.4. Options for enhancing CO ₂ removals J. Álvaro-Fuentes	4.3. Improving national inventories: national case studies: UK L. Cárdenas	5.3.1. Practical work: field-scale process-based models J. Álvaro-Fuentes, A. del Prado	6. Decision-making oriented tools E. Milne	Moderator: B. Sánchez
17:15-18:15		4.4. Practical work on GHG NI based in a case study L. Cárdenas, A. del Prado, J. Álvaro-Fuentes		5.3.2. Practical work: LCA R. Teixeira, A. Del Prado	Closing session
18:15-19:15					