

## Joint Expert Meeting on Pasture Analysis and Remote Sensing

### 3rd Workshop of the GEO Rangelands and Pasture Productivity Monitoring (GEOGLAM RAPP) Community of Practice

#### PROGRAM

#### JULY, 20<sup>th</sup> – DAY ONE (MONDAY)

- 8:30 **REGISTERING**
- 9:00 **WORKSHOP OFFICIAL WELCOME**  
*Rubens Lamparelli, University of Campinas - Unicamp (Brazil) moderator*  
 Alex Held, Commonwealth Scientific and Industrial Research Organisation - CSIRO (Australia)  
 Lee Lynd, Dartmouth University (USA)  
 Luís Augusto Barbosa Cortez, Director – International Relations Office – University of Campinas – Unicamp (Brazil)  
 Telma Teixeira Franco, Coordinator – Interdisciplinary Center of Energy Planning (NIPE) – University of Campinas – Unicamp (Brazil)  
 Carlos Henrique de Brito Cruz, Scientific Director – São Paulo Research Foundation, FAPESP (Brazil)
- 9:15 **The São Paulo Research Foundation (FAPESP) And Bioenergy Research In São Paulo, Brazil**  
 Carlos Henrique de Brito Cruz, Scientific Director – São Paulo Research Foundation, FAPESP (Brazil)
- 9:40 **GEOGLAM Overview**  
 Michel Deshayes, Group on Earth Observations Global Agricultural Monitoring Initiative - GEOGLAM (Switzerland)
- 10:00 **Rationale for Rangelands and Pasture Productivity task, global context and workplan**  
 Alex Held, Commonwealth Scientific and Industrial Research Organisation - CSIRO (Australia)  
*Luiz Gustavo Antonio de Souza, University of Campinas - Unicamp (Brazil) rapporteur*
- 10:30 **COFFEE BREAK**  
*Juan-Pablo Guerschman, Commonwealth Scientific and Industrial Research Organisation - CSIRO (Australia) moderator*
- 10:50 **Status of GEOGLAM Dashboard**
- 11:05 **Audience discussion and refine/clarify workshop objectives**  
 Rubens Lamparelli, University of Campinas - Unicamp (Brazil)  
 Alex Held, Commonwealth Scientific and Industrial Research Organisation - CSIRO (Australia)  
 Lee Lynd, Dartmouth University (USA)
- 12:00 **Existing regional, national or global rangeland and pasture monitoring projects:**  
**\*Rangeland & pasture monitoring: activities of in Brazil & Rangeland & pasture monitoring: activities of in Argentina**  
 Laerte Guimarães Ferreira, Goias Federal University - UFG (Brazil)  
 Mariano Oyarzabal, Agricultural Plant Physiology and Ecology Research Institute - IFEVA (Argentina)  
 Carlos Di Bella, Instituto Nacional de Tecnología Agropecuaria – INTA (Argentina) *remote presentation*
- 12:30 **Productivity And Mapping Of Cultivated Pastures From Cerrado: Existing Data, Difficulties And Possibilities**  
 Edson E. Sano, Brazilian Agricultural Research Corporation – Embrapa Cerrados (Brazil)  
*Walter Rossi Cervi, University of Campinas - Unicamp (Brazil) rapporteur*
- 13:00 **LUNCH**  
*John Sheehan, Colorado State University (USA) moderator*
- 14:00 **Existing Regional Global or National Rangeland and Pasture monitoring projects**  
 \*Toward a Coordinated Rangelands Observations and Monitoring System for South Africa  
 Clement Adjorlolo, South African National Space Agency - SANSA (South Africa)  
 \*Current status of grassland above ground biomass estimation in China  
 Dan Zhao, Institute of Remote Sensing and Digital Earth (RADI), Chinese Academy of Sciences (CAS) (China)  
 \*The Global Calculator: A new approach to model pasture dynamics  
 Alexandre Strapasson, Imperial College London (UK)  
 \* Remote sensing monitoring of forage production in uruguayan ranchers: state of the art and challenges  
 Marcelo Pereira, *Instituto Plan Agropecuario* (Uruguay)  
 \* Rangeland & pasture monitoring: Activities in Colombia  
 Mauricio Alvarez de Leon, Corporación Colombiana de Investigación Agropecuaria – Corpoica (Colombia)  
*Ricardo Baldassin Jr., University of Campinas - Unicamp (Brazil) rapporteur*

**15:30 COFFEE BREAK**

*Alex Held, Commonwealth Scientific and Industrial Research Organisation - CSIRO (Australia) moderator*

**16:00 Pasture Intensification for a sustainable future**

Ben Henderson, Commonwealth Scientific and Industrial Research Organisation - CSIRO (Australia)

**16:20 INPE's satellite data available for agriculture and pasture monitoring**

João Viane Soares, National Institute for Space Research - INPE (Brazil)

**16:40 Group discussion**

Key technical characteristics and GEO data needs for an operational RAPP System. Example: "The NASA GEO GLAM interface". Use as discussion starter \*Comment on Draft Summary Work Plan, meeting expectations and additional feedback based on what they have seen \*Data gathering exercise: Additional national examples/technical approaches. Stakeholders, what other groups are missing and should be approached \*Group discussion about what a community practice looks like, how do we want to share information and interact within the group? Website, wiki options. \*What's next opportunities, risks, funding, things to avoid  
All attendees

*João Guilherme Dal Belo Leite, University of Campinas - Unicamp (Brazil) rapporteur*

**18:30 DINNER****JULY, 21<sup>st</sup> – DAY TWO (TUESDAY)**

*Ben Henderson, Commonwealth Scientific and Industrial Research Organisation - CSIRO (Australia) moderator*

**9:30 Recap of Day 1**

Alex Held, Commonwealth Scientific and Industrial Research Organisation - CSIRO (Australia)

**10:00 Current status of global rangelands and livestock models and integration with remote sensing**

Marcelo Galdos, Brazilian Bioethanol Science and Technology Laboratory - CTBE (Brazil)

**10:20 National Australian rangelands monitoring activities**

Juan-Pablo Guerschman, Commonwealth Scientific and Industrial Research Organisation - CSIRO (Australia)

**10:40 COFFEE BREAK**

*Rubens Lamparelli, University of Campinas - Unicamp (Brazil) and John Sheehan, Colorado State University (USA) moderator*

**11:00 GEOGLAM RAPP Communication and Coordination Strategy**

Flora Kerblat, Commonwealth Scientific and Industrial Research Organisation - CSIRO (Australia)

**11:20 Group discussion and update on global pilot and demonstration sites, data and groups**

*Simone P. Souza, University of Campinas - Unicamp (Brazil) rapporteur*

**12:30 LUNCH****13:30 GEOGLAM Satellite Data Acquisition Strategy and additional satellite datasets for RAPP**

Alyssa Whitcraft, University of Maryland (USA) *remote presentation*

**14:00 Group discussion on ground-based information needs, field protocols, data-sharing via eg GEOWiki**

*Laerte Guimarães Ferreira, Goiás Federal University (Brazil) moderator*

**15:30 COFFEE BREAK****16:00 Group discussion on next-steps**

*Alex Held, Commonwealth Scientific and Industrial Research Organisation - CSIRO (Australia) moderator*

**17:30 End of meeting**

*Marcelo Galdos, Brazilian Bioethanol Science and Technology Laboratory - CTBE (Brazil) rapporteur*

**JULY, 22<sup>nd</sup> – DAY THREE (WEDNESDAY)**

*Lee Lynd, Dartmouth University (USA) moderator*

**8:30 Opportunities and challenges for incorporating territorial intelligence approaches to support policy actions and the sustainability of Brazilian pastoral systems**

Geraldo B. Martha Jr., Brazilian Agricultural Research Corporation - Embrapa (Brazil)

**9:00 Assessing regional GHG mitigation in grassland-based beef production in Brazil: interactions and emerging behavior**

Luís Barioni, Brazilian Agricultural Research Corporation - Embrapa (Brazil)

**9:30 Rangeland Decision Support System Implementation in the South-western USA: Progress and Challenges**

Stephen Hagen, Applied GeoSolutions (USA)

**10:00 Group discussion****12:00 End of meeting**

*Diego Dalla Justina, University of Campinas - Unicamp (Brazil) rapporteur*

**12:30 LUNCH**