



Training workshop on greenhouse gas flux measurements in agricultural systems

October 8, 2012
Porto Alegre, RGS, Brasil
Sheraton Hotel

In collaboration with the
International Symposium on Integrated Crop-Livestock systems 2012
(www.icls2012.com)

Workshop Agenda

8h30-8h40: Workshop Introduction (Prof. Paulo de Faccio Carvalho, UFRGS, Brasil)

8h40-9h00: Introduction to Global Research Alliance on agricultural greenhouse gases and to the 'AnimalChange' project funded by the European Commission
(Dr. Jean-Francois Soussana, INRA, France)

9h00-9h20: Major challenges regarding agricultural greenhouse gas measurements in South America
(Dr. Luis Gustavo Barioni, EMBRAPA, Prof. Paulo de Faccio Carvalho, UFRGS, Brasil)

9h20 -9h30h: Questions/Discussion

9h30-10h00: Estimating soil carbon sequestration from eddy flux measurements of CO₂ in agricultural systems (Dr. Jean-Francois Soussana, INRA, France)

Questions/discussion

Coffee Break

10h30-11h00: Eddy flux covariance methods for measuring carbon balance and CH₄ emissions from grazed pastures and from arable crops (Dr. Katja Klumpp, INRA, France)

Questions/discussion

11h15-11h45: Measurements of nitrous oxide fluxes by eddy covariance and by chambers (Dr. Gary Lanigan, TEAGASC, Ireland, t.b.c.)

LUNCH BREAK

13h00-14h30: Three break out groups. Measuring agricultural greenhouse gases with flux methods in:

- Livestock and pastures with Katja Klumpp
- Arable crops with Jean-François Soussana
- Integrated Agro-Sylvo-Pastoralism with Gary Lanigan

Each group will discuss potential for application of these methods in future research projects

14h30-15h00: Reports from Breakout groups

15h00-16h00: Demonstrations of greenhouse gas flux equipments and of eddy flux softwares

16h 00: End of meeting, start of the ICLS2012 meeting