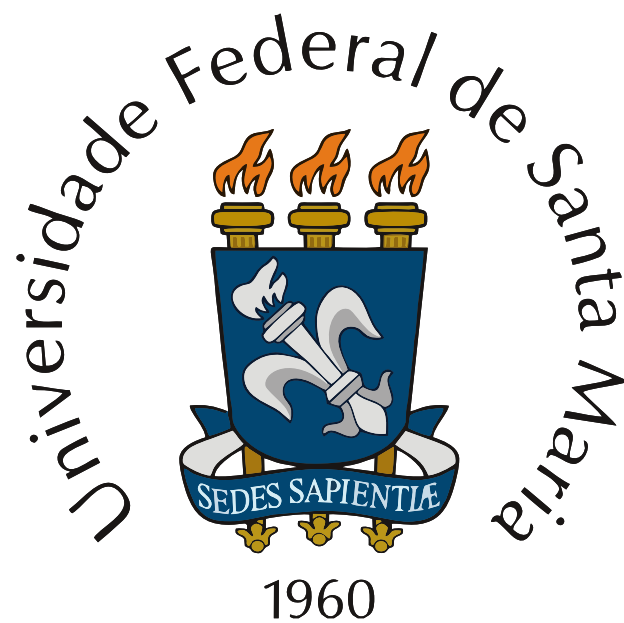


**IV Seminar on Catchment Monitoring
and Assessment of the Southern Cone**

III Forum of Geo-Bio-Hydrology



In 2012, 2013 and 2014, was held the Seminar on the Impacts of Agriculture on Water Resources and in 2014 concomitantly also the II Forum of Geo-Bio-Hydrology. The purpose of these meetings was to integrate research groups who use the catchment as study unit and explore techniques of environmental monitoring and mathematical modeling. The activities involved presentations of the research carried out by each group, highlighting the different monitoring and modeling strategies to understand the hydrological dynamics and associated processes (water quality, erosion, sediment yield, productivity, etc.).

In 2018 we will be again organizing the meeting with the expectation of bringing together research groups not only from Southern Brazil, but from all the Southern Cone (regions in South America that are around and south of the Tropic of Capricorn). The event will focus again on studies in river basins that address different but complementary strategies, such as:

- *tracing and tracking techniques*
- *hydrosedimentometry*
- *scale effect*
- *environmental monitoring*
- *effects of land use and management on hydrological components*
- *modeling the production of sediments*

Activities

In the first two days (26 & 27) the different groups will present their research to the mutual knowledge of the participants. In these two days there will be also lectures on key aspects of Catchment Monitoring and Assessment. There are 21 groups confirmed from different regions of Brazil, Uruguay, Argentina, France and the USA. At the end of each day we will compile ideas and strategies for referrals (protocols, cooperation networks, ...)

The attendees are encouraged to present in English or at least prepare their PowerPoint presentations in English in order to help understanding among groups of different countries.

On the third day there will be a trip to the Arvorezinha experimental basin. In this activity we will visualize in the field strategies of monitoring in different scales. Departure will be at 7am and expected return at 9pm (limited vacancies).

On the fourth day there will be a modeling workshop with prof. Dr. Olivier Cerdan (BRGM - France) on the model WATERSED.

On the fifth day there will be various workshops according to the interest of the participants. Suggested themes (and models) are: Fingerprinting, SWAT and LISEM.

Objectives

1. Integration of knowledge on pedology, hydrology, sedimentology, geomorphology, ecology, among others, in soil and water management.
2. Improve the understanding of soil and water degradation processes from erosion on the basin scale.
3. Discuss environmental monitoring strategies at different scales and conditions.
4. Encourage the integration of research groups for the development of networking in the Southern Cone.

Target Audience

Researchers, professors and students interested in environmental monitoring and modeling in watersheds

Important information

- Presentations should be planned for 20 minutes only;
- Posters with additional information are welcome;
- Presentations slides must be in English;
- Each group will make an expanded summary of 3 to 5-pages including figures and tables;
- For those who wish to receive a certificate, we will consider only the presence in the first two days. In this case, participation in workshops and travel is optional and by adhesion.

e-mail



catchment.monitoring.seminar@gmail.com

subscription



<https://goo.gl/a3LjbR>



ORGANIZING COMMITTEE

UFSM

Jean Minella | Daniel Allasia | Rutinéia Tassi

UFRGS

Masato Kobiyana | Gean Michel | Claudia Barros | Tales Tiecher

CNRS (France)

Olivier Evrard

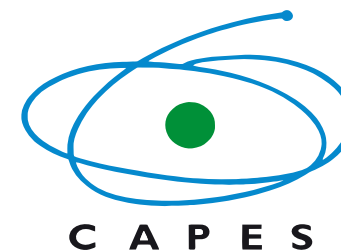


PROGRAMME - NOVEMBER, 2018

Day	26		27		28	29	30
07:00–8:00	Registrations				Visit to the experimental catchments		
08:00-09:00	Lecture: Mario Mendiondo (EESC-USP)		Lecture: Fernando Meirelles (Depto. de Recursos Hídricos do RS)			Workshop I	Workshop II, III ou IV
09:00-09:30	Karla Campagnolo e Gean Michel	UFRGS - IPH	Yuri Jacques	UFPI - Solos			
09:30-10:00	Sílvio Luís Rafaeli Neto	UDESC-Ambiental	María G. Ares	UN Buenos Aires (AR)			
10:00-10:30	Edivaldo Thomaz	UNICENTRO - Geog	José Miguel Reichert	UFSM - Solos			
10:30-11:00	Interval		Interval				
11:00-11:30	Tales e Danilo	UFSM e UFRGS - Solos	Paulo Tarso	UFMS - Eng. Amb.			
11:30-12:00	Olivier Evrard	CNRS-LSCE (FR)	Pedro Chaffe	UFSC - Eng. Amb			
12:00-12:30	Olivier Cerdan	BRGM (FR)	Gilberto Collares	UFPEL-Eng. Hídrica			
12:30-14:00	Lunch		Lunch			Lunch	Lunch
14:00-14:30	Daniel Allasia e Ruti Tassi	UFSM - Eng. Amb.	Gustavo Merten	Univ. Minnesota Duluth		Workshop I	Brainstorming
14:30-15:00	Latif Kalin	Auburn University (EUA)	Graziela Barboza e André Pellegrini	IAPAR e UFTPR			
15:00-15:30	Nilza Castro	UFRGS - IPH	Silvio Ferraz e Lara Garcia	USP - LCF			
15:30-16:00	Interval		Interval				
16:00-16:30	Marcos Tassano	Univ. de Montevidéu (UR)	Irani dos Santos	UFPR - Geog			
16:30-17:00	Eberval Marchioro	UFES	Fabício Sutili	UFSM - Eng Florestal			
17:00-18:00	Jean Minella e Cláudia Barros	UFSM e UFRGS - Solos	Brainstorming			Confraternization	
19:00							

Workshop	Subject	Organizer
I	Runoff and Erosion Modeling with WATE	Olivier Cerdan
II	Modeling with SWAT.	Latif Kalin and Daniel Allasia
III	Fingerprinting (Sediment Source Identification)	Tales Tiecher and Olivier Evrard
IV	Modeling with LISEM.	Jean Minella and Cláudia Barros

Sponsorship



Support

