



RIO18
21st World Congress
of Soil Science

21 WORLD CONGRESS OF SOIL SCIENCE
Sunday 20 – Friday 25 November 2016
Rio de Janeiro, Brazil

Rio de Janeiro August | 12 - 17

FIELD TRIP TO PADDY SOIL OF RIO GRANDE DO SUL

Summary: Field trip to the paddy soils of the State of Rio Grande do Sul with the purpose of knowing the main institutions involved with the research of rice crops under waterlogged condition, the main production systems and the main paddy soils cultivated with rice from a pedological point of view (soil classification, parent material, mineralogy).

Period:

Post event; 19 to 21 of August, 2018; 1,012 km in three days.

Guides:

Prof. Alberto V. Inda (Pedologist/Mineralogist of Soil Science Department of The Federal University of Rio Grande do Sul - UFRGS);

Prof. Andre Freire Cruz - Translator (Kyoto Prefectural University - Japan)

Contact:

Flávio A.O. Camargo; e-mail: fcamargo@ufrgs.br; Skype: fcamargo2; Phone/Whatsapp: +5551 98422 3773

Attention:

All participants are responsible for their travel to the meeting point at the beginning of the tour;

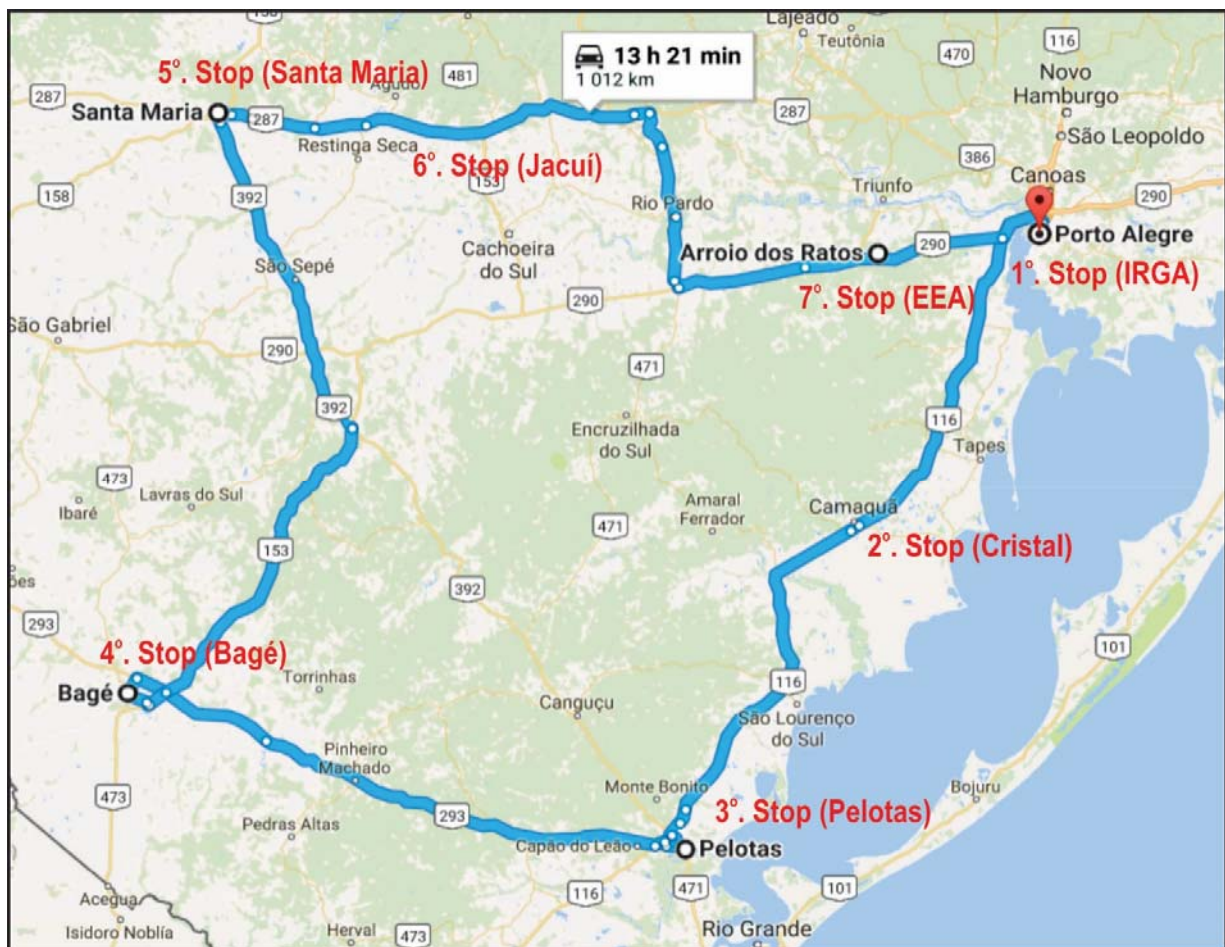
Itinerary:

Day/Month	Description
18/08 Saturday	<i>Afternoon:</i> Arriving at Porto Alegre international Airport and transfer to the hotel
19/08 Sunday	<i>Morning:</i> meeting at the hotel (7:30) in Porto Alegre and a short travel to the State Rice Research Institute – IRGA (Cachoeira do Sul City) to visit rice breeding experiments, soil profile, production systems and the plan plus 10 (plan to increase the rice state production to 10 ton/ha) and depart to the south of the state at 11hs (1º. Stop); <i>Lunch:</i> 13:30 in Cristal city (120 km) <i>Afternoon:</i> Cristal city: visit to the UFRGS experiment of integrated crop-livestock system in paddy soils (2º. Stop); travel to Pelotas city (140 km); paddy soils landscapes all over the trip; <i>Night:</i> Arriving in Pelotas at the Hotel and dinner



<p>20/08 Monday</p>	<p><i>Morning:</i> meeting at the hotel (7:30) in Pelotas and a short travel to the Brazilian Agriculture Research Corporation to visit experiments, soil profile and production systems and depart to the south of the state at 11hs (3°. Stop); <i>Lunch:</i> 12:00 in Pelotas <i>Afternoon:</i> Trip to Bagé city to visit paddy soils profiles at Federal University of Pampa and depart to Santa Maria (4°. Stop). <i>Night:</i> Arriving in Santa Maria at the Hotel and dinner</p>
<p>21/08 Tuesday</p>	<p><i>Morning:</i> meeting at the hotel (7:30) in Santa Maria and a short travel to Federal University of Santa Maria and their rice experimental station and depart at 11hs (5°. Stop); <i>Lunch:</i> Di Paolo restaurant (Italian food) Restinga Seca (27km from 5°. Stop) <i>Afternoon:</i> Visit paddy soils profiles at Jacuí River (Restinga Seca city) (6°. Stop) at regular farm production and visiting paddy soils profiles at the UFRGS Agronomic Experimental Station (7°. Stop). <i>Night:</i> Arriving in Porto Alegre and dinner at the Harmonia barbecue.</p>

Travel map:



Cost per person: around 500 USD (not defined yet)

Tour includes: Bus transportation, hotel, breakfast (at the hotel), lunch, dinner and water, technical guide and staff to assist in the logistics (organization of the trip).

Group: 20-25 people. In case we don't reach the minimum number of participants the excursion will not be held and the values will be reimbursed.

Accommodation:

Day	Hotels
19	Hotel in Porto Alegre (to be defined)
20	Hotel in Pelotas (to be defined)
21	Hotel in Santa Maria (to be defined)
22	Hotel in Porto Alegre (to be defined)

Places to be visited

State Rice Research Institute – IRGA – Experimental station (**1º. Stop**)



Integrated crop-livestock system in paddy soils – Cristal Experimental Farm (2°. Stop)



Brazilian Agriculture Research Corporation – EMBRAPA – Pelotas (3°. Stop)



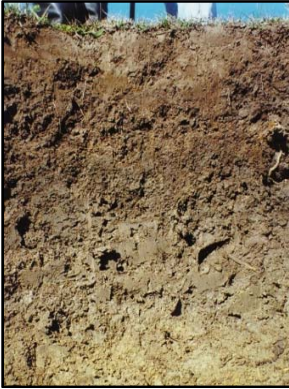
Rice Experimental Station - Federal University of Santa Maria (5°. Stop)



Regular rice production by farmers – Land Leveling (6°. Stop)



Landscape/Soil profile description:



1º. Stop

City: Porto Alegre (POA) – Cachoeirinha

Distance from POA: 12 km

Institution: IRGA - Rice State Research Institute.

Soil: Gleysol Eutric Arenic

Parent material: recent quaternary sediments



2º. Stop

City: Cristal city

Distance from 1º. Stop: 120 km

Institution: Federal University of Rio Grande do Sul;

Experiment of integrated crop-livestock system in paddy soils

Soil: Chernozem Vertic Siltic

Parent material: siltite sedimentary rock



3º. Stop

City: Pelotas

Distance from 2º. Stop: 140 km

Institution: Universidade Federal de Pelotas (UFPEL) and
Brazilian Agriculture Research Corporation – Temperate

Soil: Planosol Eutric Sodic

Parent material: granite sediments



4º. Stop

City: Bagé

Distance from 4º. Stop: 189 km

Institution: Federal University of Pampa (UNIPAMPA)

Soil: Planosol Eutric Vertic

Parent material: siltite sedimentary rock



5°. Stop

City: Santa Maria

Distance from 4°. Stop: 239 km

Institution: Federal University of Santa Maria (UFSM)

Soil: Planosol Albic/Dystric Arenic

Parent material: recent alluvial sediments



6°. Stop

City: Dona Francisca, Agudo – Lowlands of Jacuí River

Distance from 5°. Stop: 70 km

Institution: Federal University of Santa Maria (UFSM)

Soil: Planosol Fluvic/Eutric Colluvic

Parent material: basalt sediments



7°. Stop

City: Arroio dos Ratos

Distance from 6°. Stop: 150 km

Institution: Agronomic Experimental Station – UFRGS

Soil: Planosol Dystric

Parent material: recent alluvial sediments and granite sediments