



RIO18
21st World Congress
of Soil Science

21 WORLD CONGRESS OF SOIL SCIENCE

August 12-17, 2018

Rio de Janeiro, Brazil

Rio de Janeiro August | 12 - 17

E6 - FIELD TRIP TO PADDY SOILS OF RIO GRANDE DO SUL

Summary: A field trip to visit paddy soils in the State of Rio Grande do Sul with the purpose of knowing the main institutions involved with research of rice farming under waterlogged conditions, their production systems and observation of paddy soils, from a pedological point of view (soil classification, parent material, mineralogy, processes).

Period:

Post event; 19 to 21st 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.

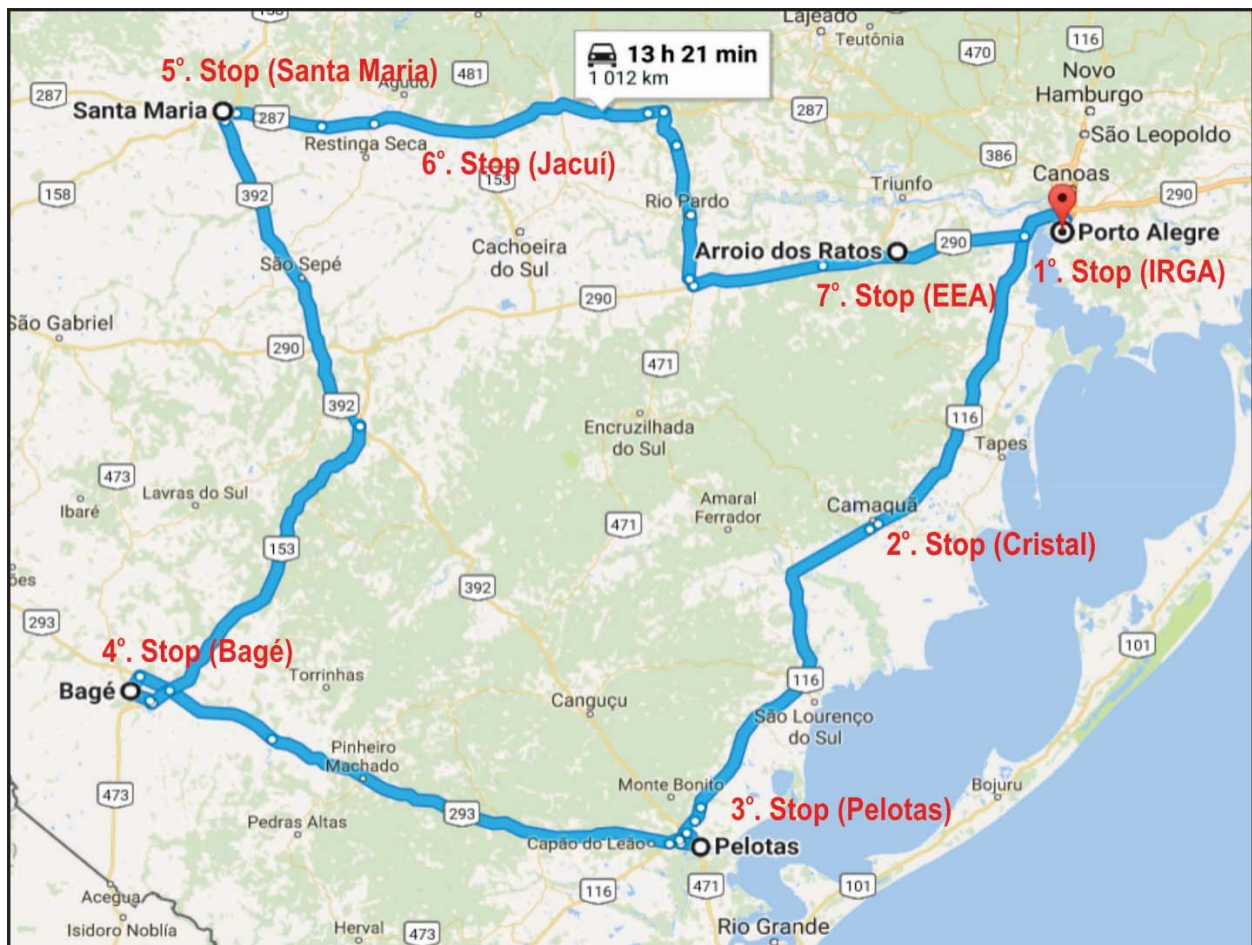
Itinerary:

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 am) in Porto Alegre and a short trip to the State Rice Research Institute – IRGA (Cachoeira do Sul City) to visit experiments with rice breeding, a soil profile, and production systems. Also discussion of the plan Plus 10 to increase the rice production in the State to 10 t/ha. Departure to South of the State at 11hs (1º. Stop); <i>Lunch:</i> 13:30 am at Cristal city (120 km) <i>Afternoon:</i> Cristal city: visit the UFRGS experimental system for integrating crop-livestock in paddy soils (2º. Stop); travel to Pelotas city (140 km); observing paddy soils areas along the trip; <i>Night:</i> Arriving at the Hotel in Pelotas and dinner



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

Travel map:



Cost per person: approximately \$ 550 USD

Tour includes: Bus transportation, hotel (4 nights), breakfast (at the hotel), bottled water, technical guides 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 paid 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)



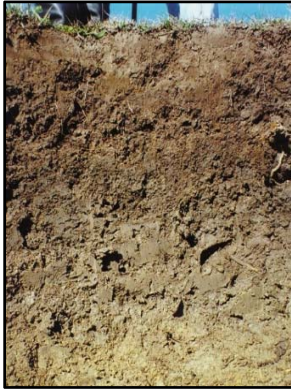
Rice Experimental Station - Federal University of Santa Maria (5°. Stop)



Commercial 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: 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: Federal University of Pelotas (UFPEL) and
Brazilian Agriculture Research Corporation – EMBRAPA

Soil: Planosol Eutric Sodic

Parent material: Sediments derived from granite alteration



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: Sediments derived from basalt alteration



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 sediments derived from granite alteration.