



**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

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## **E7 - FIELD TRIP TO BRAZILIAN CERRADO: GEOMORPHOLOGY, SOILS, AGRICULTURE AND LANDSCAPES**

### **Summary:**

The 5-day tour will take place in the states of Goiás, Tocantins and Bahia beginning and ending in Brasília-DF. It will involve technical and tourist topics. The main places visited will be Chapada dos Veadeiros National Park (Alto Paraíso de Goiás-GO), Phosphate Mine (Campos Belos-GO), Agricultural hot spot (Luis Eduardo Magalhães-BA) and Crop-Livestock integrated System (Embrapa Cerrados, Planaltina-GO). In the technical part it is foreseen the appreciation and discussion of rural production systems and their interaction with the soil component in the Brazilian cerrado. In order to diversify and enrich the technical discussion, different integrated systems will be involved, areas of phosphate exploration, irrigated systems and high technology agricultural systems, all closely related to land use potential. As for the tourist theme, two geologic contrasting areas will be visited during trip: High Altitude SandStone Rocky vegetation.

### **Period:**

Post event; 19 to 23 of august, 2018. Departure from Brasília at 7:30 am. Trip around 1500 km.

### **Guides:**

Drs. Pedro Luiz de Freitas e Aline P. de Oliveira (Researchers – Brazilian Agriculture Corporation – Embrapa Soils).

### **Contact:**

Pedro Freitas: e-mail: [pedro.freitas@embrapa.br](mailto:pedro.freitas@embrapa.br);

### **Attention:**

All participants are responsible for their travel to the meeting point at the beginning of the tour in Brasília city. Clothes and footwear suitable, sun protection (hat, caps and lotions for skin). For the duration of 5 days it is necessary to take clothes and other personal items for three nights in a hotel outside of Brasília city.

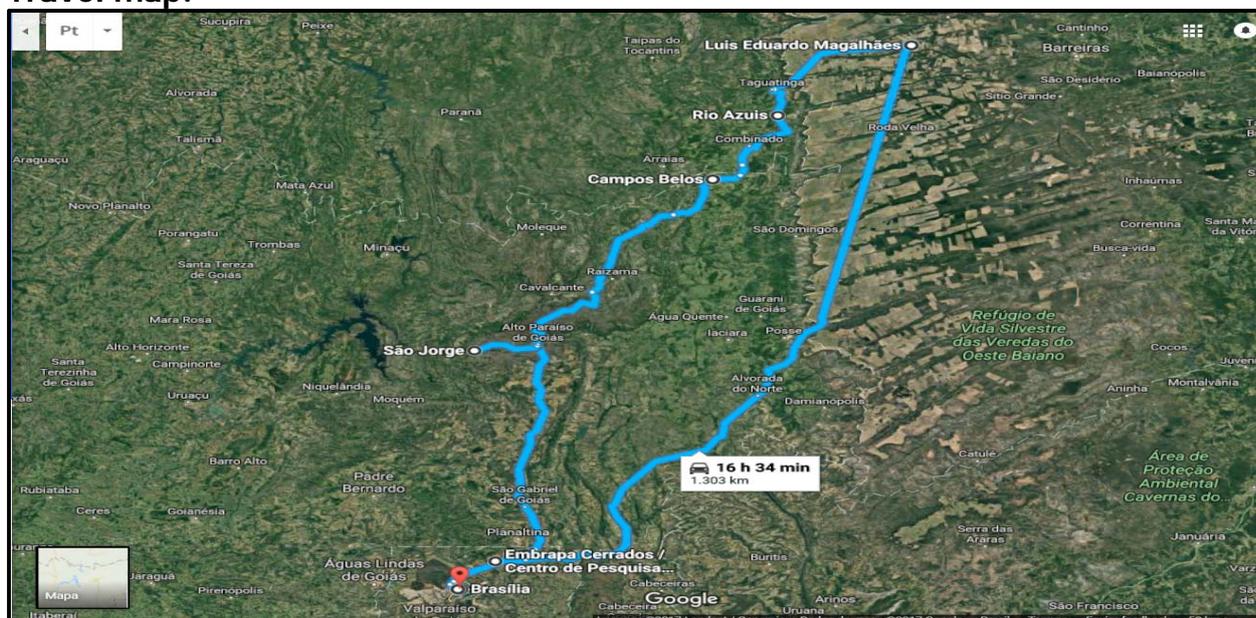
### **Itinerary:**

Day/Month	Description
18/08	Afternoon: Arriving at Brasília
19/08	<i>Morning:</i> departure at the Hotel (7:30 am) in Brasília city to the Alto Paraíso de Goiás /Chapada dos Veadeiros National Park (260 km)



	<p><i>Lunch:</i> 13:00 in Alto Paraiso de Goiás;  <i>Afternoon:</i> Guided visit to sandstone area in the Chapada dos Veadeiros National Park;  <i>Night:</i> dinner (traditional Goiás food) and overnight stay in São Jorge.</p>
20/08	<p><i>Morning:</i> breakfast (6:30) and departure at the hotel (7:30) to the Campos Belos region (225 km); Visit to DuSolo phosphate mine  <i>Afternoon:</i> departure to Aurora do Tocantins city and visit to Blue River;  <i>Late Lunch:</i> 14:00 in Agenda 21 restaurant (Chef Osmane);  <i>Afternoon.</i> Free time to swim and appreciate the fresh springer water of Blue River  <i>Night:</i> departure to and overnight stay in Luis Eduardo Magalhães city (110 km)</p>
21/08	<p><i>Morning:</i> breakfast (6:30) and departure to farms in Luis Eduardo Magalhães  <i>Lunch:</i> 12:30 in Luis Eduardo Magalhães city: Authentic Gaucho's Barbecue  <i>Afternoon:</i> visit farms in Luis Eduardo Magalhães region.  <i>Night:</i> dinner and overnight in Luis Eduardo Magalhães city.</p>
22/08	<p><i>Morning:</i> breakfast (6:30) and visit farms in Luis Eduardo Magalhães region  <i>Lunch:</i> 12:00  <i>Afternoon:</i> transfer to Brasilia by bus  <i>Night:</i> dinner and overnight stay in Brasilia city (540 km)</p>
23/08	<p><i>Morning:</i> breakfast (6:30) and departure to Embrapa Cerrados in Planaltina-GO (40 km) to visit Crop-Livestock integrated System  <i>Lunch:</i> 12:30 in Embrapa Cerrados  <i>Afternoon:</i> return to Brasília (transfer to airport or hotel)</p>

### Travel map:



**Cost per person:** \$ 1100 USD.

**Tour includes:** Bus transportation, hotel (6 nights), breakfast (at the hotel), water, technical guide and staff to assist in the logistics (organization of the trip).

**Group:** 35 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	Local
18	Brasília
19	São Jorge Village
20	Luis Eduardo Magalhães
21	Luis Eduardo Magalhães
22	Brasília
23	Brasília*

\*Possible transfer to airport at afternoon.

**Places to be visited**

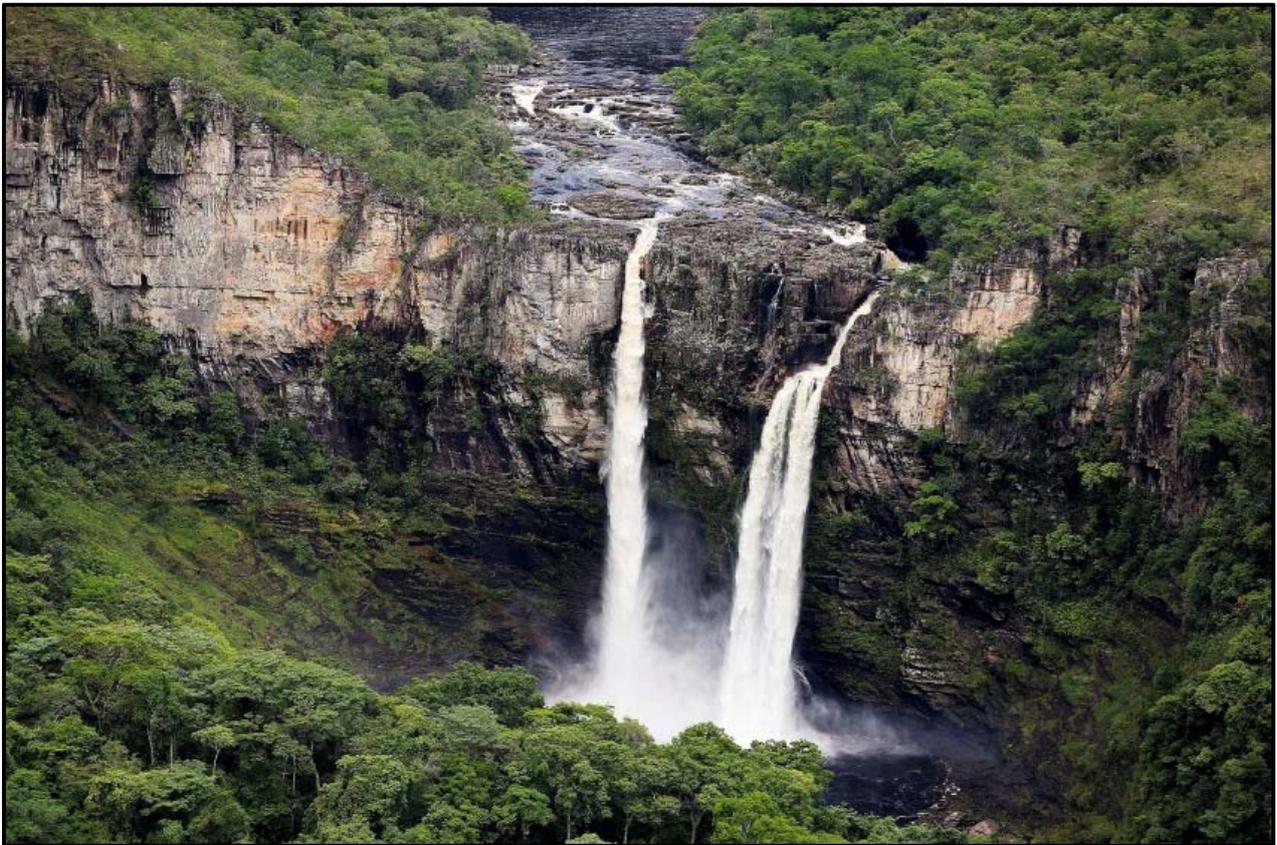
**Municipality of Luis Eduardo Magalhães – Bahia State**



**National park of Chapada dos Veadeiros**

The Chapada dos Veadeiros National Park, created in 1961, protects an approximate area of 240,6114 ha of the "Cerrado" of altitude. There are several plant formations; hundreds of springs and water courses; rocks over a billion years old, and landscapes of rare beauty, with features that change throughout the year. The Park also preserves old mining areas as part of local history and was declared a World Natural Heritage Site in 2001 by UNESCO. In addition to conservation, the Park has as its objectives scientific research, environmental education and public visitation.

The walk and baths of waterfall are the main activities in the Park in the immense landscapes of the Chapada in a trip by the Brazilian "Cerrado" in old routes used by garimpeiros, that today are used by the visitors.



## **Aurora do Tocantins – Tocantins State and The Blue River**

The Blue river is a water course located in the city of Aurora do Tocantins, in the state of Tocantins, Brazil. With a length of only 147 meters, the Blue river is considered as the smallest river of Brazil and of Latin America and the third smaller river of the world, according to the Guinness Book. The Blue River has a flow of approximately 11,000 liters of water per second, with transparent waters with stones in its bed of blue-green color. It is due to the transparency of its waters that the river happened to receive the name of Blue river. The river has in its banks some inns and restaurants that serve the visitors regional food of the Tocantins State.



Embrapa Cerrados

