Institut Sénégalais de Recherches Agricoles (ISRA)  
BP 3120 Dakar, Sénégal  

GUIDE FOR PARTICIPANTS  

Training course and workshop « Livestock and Climate Change » organised by the AnimalChange project  

Dakar (Senegal)  
Training and workshop: 12 - 16 January 2015  
Workshop only: 15-16 January 2015  

Venue: Institut Sénégalais de Recherches Agricoles (ISRA), Hann  
Agricultural Research Campus, Route du Front de Terre, Dakar  

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**Brief overview on Senegal**

Senegal is a very flat country, except in the East, with an area of 196,192 square kilometers. It is located at the western end of tropical Africa, between 12 ° and 16 ° 30 ' north latitude, 11 030 and 17 ° 30 west longitude.

The climate is characterized by a dry season that lasts nine months and a rainy season (winter) that lasts three months. The rains are more abundant in moving from north to Sahelian climate (250-600 millimeters of rain) to the south in the Sudano-Guinean climate (1000 to 1600 millimeters of rain).

The population is estimated at about 14 million with an annual growth rate estimated at 2.8%. It is very young: 60% of the population is under 25 years. It is composed of several ethnic groups (about fifteen) of which include: the Wolof (40%), the Pulaar (23%), the Serer (17%), the Diola (6%), Mandingo (4%). The official language is French. The most widely spoken local language is Wolof (more than 73% of the population).

Senegal is a heavily agricultural country. Seventy percent of the population is engaged in agriculture, which provides a wide range of food and commercial products. Livestock occupies a very important place in the economy. It represents 35% of the value of the agricultural sector and contributes 7.5% to the gross domestic product.

The Senegalese animal population is large and very diverse. It is estimated at 3,313,000 cattle, 5,571,000 sheep and 4,755,000 goats, 354,000 pigs, 523,000 horses, 450,000 donkeys, camels and 4,700 35..000.000 poultry. Animal resources provide most of the national production of meat (95%), milk (50%) and eggs.

Ruminant farming is practiced in three main systems: the extensive system or system with low inputs in which production is partly intended for domestic consumption and partly for sale, semi-intensive system or average input system in which production is mainly intended for sale, and the intensive system or high-input system where exotic breeds are used for milk production. For cattle, the main breeds used are zebu Gobra in the north and center of the country, the bullfighting Ndama in the South, the Djakore (product cross between Gobra and Ndama) in the center and south, and exotic breeds for milk production (Montbeliarde, Jersey, Pakistani, etc.) particularly in the Niayes area that boasts a very unique climate for the implementation of these breeds.

In Senegal, livestock farming is booming. This is made possible thanks to research conducted over several decades by the National Laboratory of Animal Husbandry and Veterinary Research (LNERV) of the Senegalese Institute of Agricultural Research (ISRA), which allowed the production of a wide range of vaccines against major diseases of animals. The effective use of these vaccines and the adoption of appropriate livestock
development policies, allowed to come definitively overcome some formerly very deadly diseases for livestock (in the case of rinderpest) and reduce the incidence of other equally dangerous (PPR, Newcastle disease, CBPP, etc.) diseases.

However, the climate change, often marked by poor rainfall, significantly affects the productivity of the animals.

The project "Animal Change," seek to provide a solution to the situation faced by many countries in Africa and the rest of the world.

**Arrival and departure**

In Senegal, the entry and exit formalities are easy to complete. The visa for entry into the country is paid at the airport level.

To confirm the date of return travel, tickets should be delivered the day after arrival to the secretariat of the organizing committee

**Transport**

Transport for participants from the airport to the hotel and from the hotel to the airport for the return, is provided by the Organizing Committee.

Taxis painted yellow and black also provide transportation from the airport to the city costs 5,000 CFA francs.

**Stay**

In January, it is relatively cool in Dakar (between 19 ° C and 21 ° C).

Also note that Senegal is on "Universal Time" (GMT). When it is 12 am in Dakar, it is 13 :00 in Paris.

**Money exchange**

Senegal is part of the Franc Zone. The currency is the CFA franc linked to the Euro through a fixed exchange rate: 1 Euro equals 656.6 FCFA. The conversion of the Euro CFA can be done with a commission at a bank or hotel.

It is recommended that you have some CFAs before the start of the training and/or workshop. Euros can also be uses. In Dakar there are many ATMs exchanging CFA francs for euros.
Below is a list of banking institutions which you can contact:

- **BICIS**
  2, avenue Roume
  Tél. : +221 33 839 03 90

- **SGBS**
  10, avenue Roume
  Tél. : +221 33 839 10 60

- **CBAO**
  1, Place de l’Indépendance
  Tél. : +221 33 823 10 00

**Accommodation**

Participants who are financially supported will have a room at the residence of the National Laboratory of Animal Husbandry and Veterinary Research (ISRA-LNERV) and that of the Institute of Food Technology (ITA) where single or double rooms will be availalbe.

Both sites offer the advantage of being close to the venue, the ITA is a 10-minutes walk from LNERV.

Participants without financial support can either ask the organizers to hold their hotel room, or keep themselves on the following list:

<table>
<thead>
<tr>
<th>NAME</th>
<th>ADDRESS</th>
<th>WEBSITE</th>
<th>TARIFF</th>
<th>E-MAIL</th>
<th>PHONE</th>
<th>FAX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hotel-Restaurant</td>
<td>51, rue Vincens</td>
<td><a href="http://www.lefarid.com">www.lefarid.com</a></td>
<td>40.500FCFA / 61.74 Eur</td>
<td><a href="mailto:hotelfarid@sentoo.sn">hotelfarid@sentoo.sn</a></td>
<td>221 33 821.61.27</td>
<td>221 33 821.08.94</td>
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<td>Farid</td>
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<tr>
<td>Astoria hôtel</td>
<td>63 bd Djilly Mbaye</td>
<td><a href="http://www.astoriahotel.sn/">http://www.astoriahotel.sn/</a></td>
<td>50 000FCFA /76.22 euro</td>
<td><a href="mailto:astoriahotel@orange.sn">astoriahotel@orange.sn</a></td>
<td>221 33 823 66 33</td>
<td>221 33 823 67 33</td>
</tr>
<tr>
<td>Auberge Good Rade</td>
<td>10.556, Sacré Cœur 3 Ext – VDN</td>
<td><a href="http://www.goodegrade.com/">http://www.goodegrade.com/</a></td>
<td>45 000FCFA /68.60eur</td>
<td><a href="mailto:goodegrade@orange.sn">goodegrade@orange.sn</a></td>
<td>221 33 860 60 30 221 33 860 60 80 221 33 860 60 90</td>
<td>221 33 860 60 40</td>
</tr>
<tr>
<td><strong>Résidence le Feto</strong></td>
<td>Sacré Coeur 3 Ext – VDN/ Nord foire</td>
<td><a href="http://www.reidences-lefeto.com/presentation.php">http://www.reidences-lefeto.com/presentation.php</a></td>
<td>35 000FCFA/54eur</td>
<td><a href="mailto:residencefeto@orange.sn">residencefeto@orange.sn</a></td>
<td>+221 33 825 56 33</td>
<td>+221 33 868 16 69</td>
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<td><strong>Auberge Marie Lucienne</strong></td>
<td>Point E</td>
<td><a href="http://www.tripadvisor.fr/Hotel_Review-g293831-d3179913-Reviews-Auberge_Marie_Lucienne-Dakar_Dakar_Region.html">http://www.tripadvisor.fr/Hotel_Review-g293831-d3179913-Reviews-Auberge_Marie_Lucienne-Dakar_Dakar_Region.html</a></td>
<td>32 000FCFA/49.03eur</td>
<td>+221 33 869 00 90</td>
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</tr>
<tr>
<td><strong>Hotel le Ndiambour</strong></td>
<td>Rue Carnot downtown downtown</td>
<td><a href="http://fr.hotels.com/h440423/le-ndiambour-hotel-et-residence-dakar-senegal/">http://fr.hotels.com/h440423/le-ndiambour-hotel-et-residence-dakar-senegal/</a></td>
<td>45 000FCFA/68.60Euro</td>
<td>53 000FCFA/80.79Euro</td>
<td>abdoukaderfaye@lendia mbour.com</td>
<td>221 33 889 42 89</td>
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**Circulation**

Identity checks are frequent in Dakar. So you should **make sure** you have documentation establishing your identity and your stay with you at all times.

Over relatively long distances, you can take the yellow-black taxis. However, be careful to negotiate the fare if necessary by taking advice from knowledgeable people. If you stay in the city center, the fee cannot exceed 2,000 FCFA.

**Communication**

From your hotel room, you are able to communicate with the world. The price of the call depends on the duration of the call and distance.

An internet connection is available.

**Catering**

The lunch is taken at the site of ISRA, the LNERV. Breakfast and dinner can be taken in the refectory of the ITA. However, those who wish can dine in restaurants around where they live. Here are the addresses of some of them:

- Restaurant « Les Maristes »
  01, Route des Pères Maristes
  Tél. +221 33 832 46 26
• La Grillade spécialités africaines
  Route du Front de Terre
  Tél. 77 519 92 35

• Festival Des Glaces
  Rond Point Maristes
  Tel. + 221 33 832 27 28

Health

List of hospitals, clinics and pharmacy in case there is a need:

• **Hôpital Principal**
  Avenue Nelson Mandela
  Tél. : +221 33 823 27 41

• **Hôpital Aristide Le Dantec**
  Avenue Pasteur
  Tél. : +221 33 822 24 20

• **Clinique Pasteur**
  50, rue Carnot
  Tél. :+221 33 821 25 48

• **Hôpital général de Grand-Yoff**
  Grand-Yoff
  Tél. : +221 33 869 40 50

• **Clinique Raby**
  Rue 13 Castors
  Tél. : +221 33 869 20 36

• **Grande Pharmacie Dakaroise**
  Place de l’Indépendance
  Tél. : +221 33 821 10 64

• **Pharmacie de la République**
  15, boulevard de la République
  Tél. : +221 33 821 16 63

• **Pharmacie Hann Maristes**
  Route du Front de Terre
  Tél. : +221 33 832 18 44

• **Pharmacie Mouhamadou Amine**
  Hann Equipe
  Tél. : +221 33 832 58 22

Markets

For shopping visit:

• **Kermel Market**
  Place Kermel

• **Sandaga Market**
  Lamin Gueye Avenue

• **Touba Gallery**
  16, rue Mohamed V

• **Touareg Gallery**
  13, rue Mohamed V
Tourism

In tourism "destination Senegal" is very popular. From north to south, visitors to the parks and reserves of the country, which cover about 8% of the territory, will discover landscapes and encounter animals in the wild that are now a representative of the complete network different natural ecosystems in West Africa.

Participants will enjoy their spare time to visit the Zoological and Forest Park Hann, as well as the artificial lake recently developed.

Here are some of Senegal parks and reserves:

* Niokolo Koba National Park Le, with an area of 8130 km2, it located in the Tambacounda region. One of the largest reserves in West Africa.

* The National Park Djoudj birds, with an area of 160 km2 and is located north of the city of St. Louis. One of the world's largest bird sanctuaries.

* National Park Magdalen Islands, with an area of 0.5 km2, is located off the city of Dakar.

* Private Bandia reserve, located about fifty kilometers from Dakar.

* The forest and zoo Hann in Dakar

Do not forget to visit Goree Island, close from Dakar, home to the famous Houses Slave.