



# Centro de Investigação e Informação de Medicamentos e Toxicologia

# Characterization of poisonous snakes in Angola for the production of snake serum, a need for the country.

### Introduction

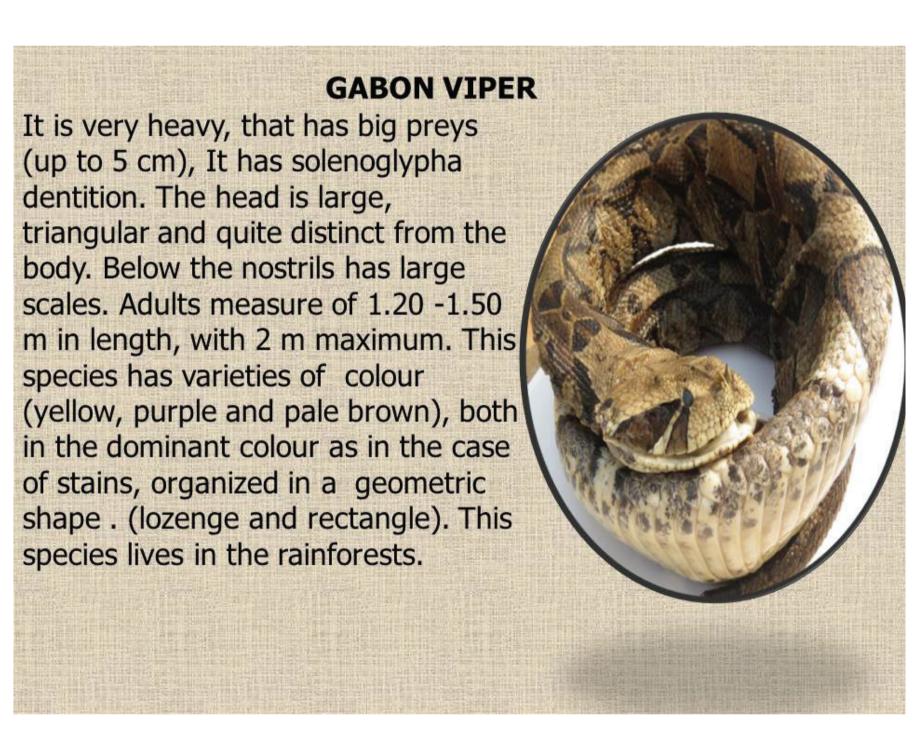
The statistics of morbidity and mortality from snakebite in Angola show that every day snakebites have a greater contribution to these indicators, which is a health problem at the national level, if we consider that affect young people and women working in the field, and further, that these accidents have other consequences such as tetanus infections and distorting scars.

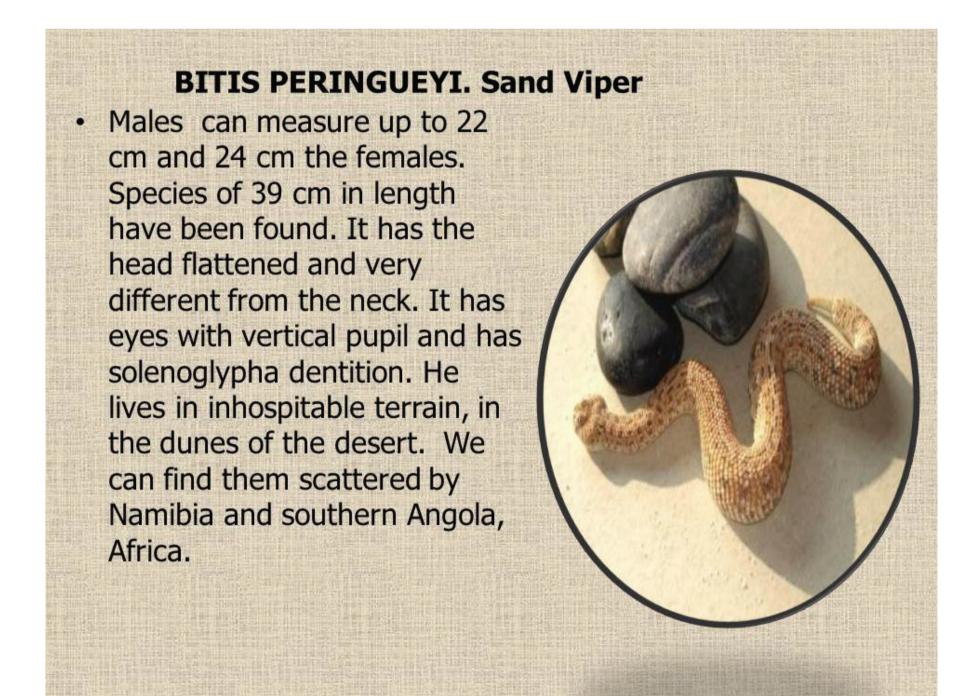
Not having identified the venomous snakes that inhabit the Angolan territory, it makes it difficult the administration of the appropriate sera for greater therapeutic efficacy in cases that require it.

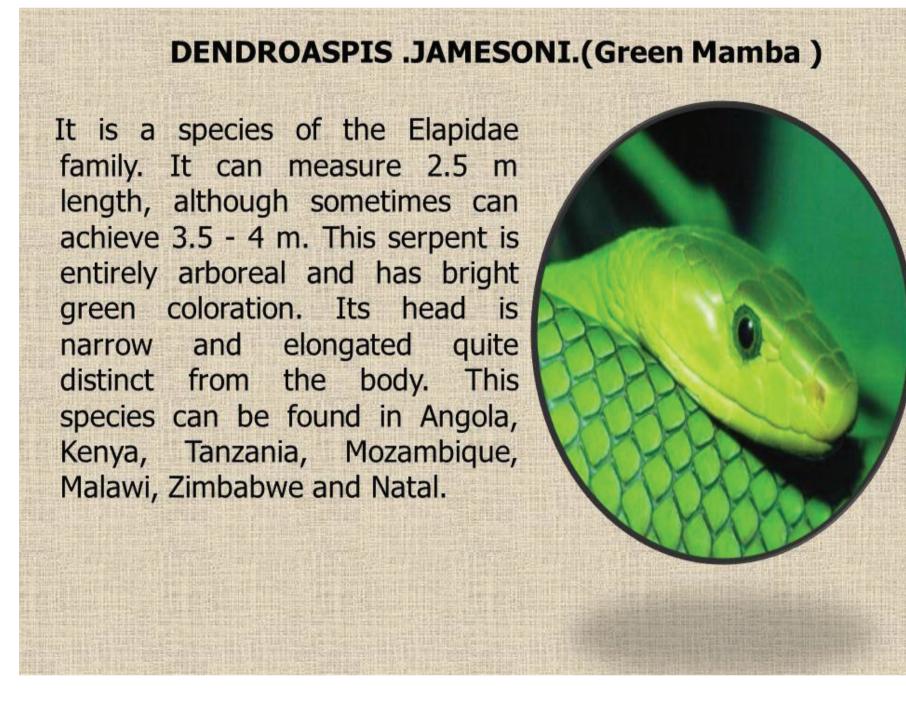
# Objectives:

- 1. To apply the SERPENTOX software to:
  - Characterize relevant poisonous species for clinical and therapeutic management of snakebites in Angola.
  - Make it a powerful tool to process statistical data of snakebites for the Integrated Statistical System for Poison of Angola.
  - Develop a preliminary classification of the status of snakes in Angola. (SERPENTOX is a support material for the supervision and control of snakebites. It was developed in a programming language based on Delphi 6.0 and Microsoft Access 2007 Database Management System, which makes it fast).
- 2. To assess the state of adaptation of the species in captivity for poison removal for the purpose of the subsequent production of sera.

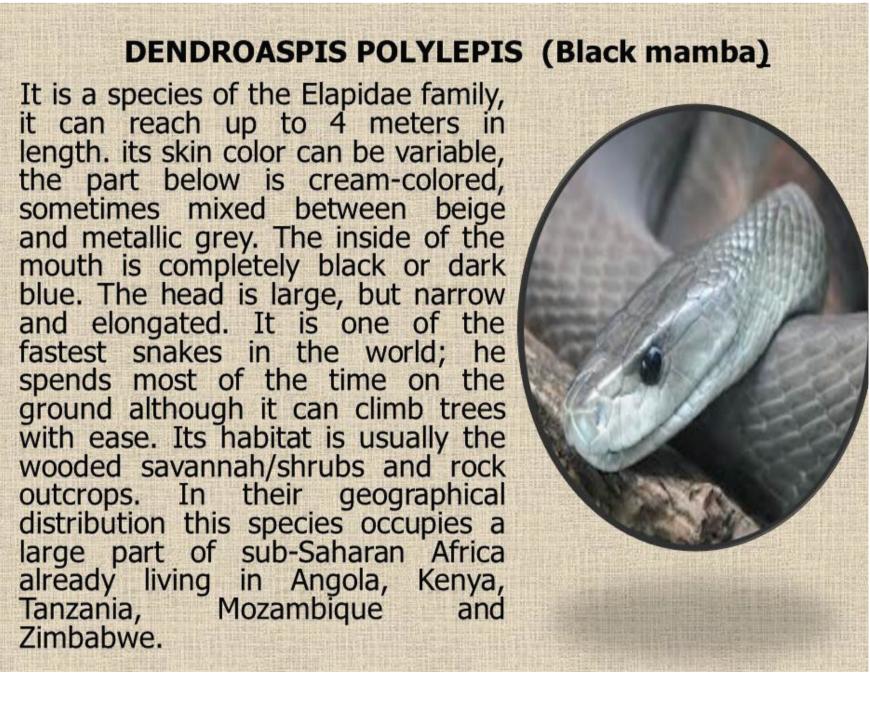
#### DESCRIPTION OF SOME POISONOUS SNAKES

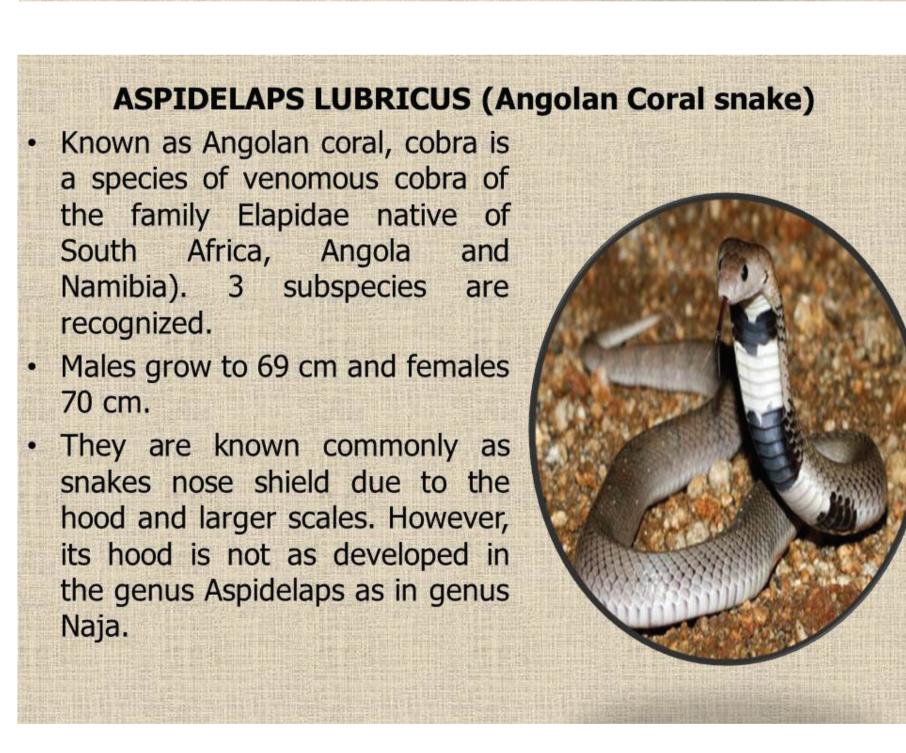


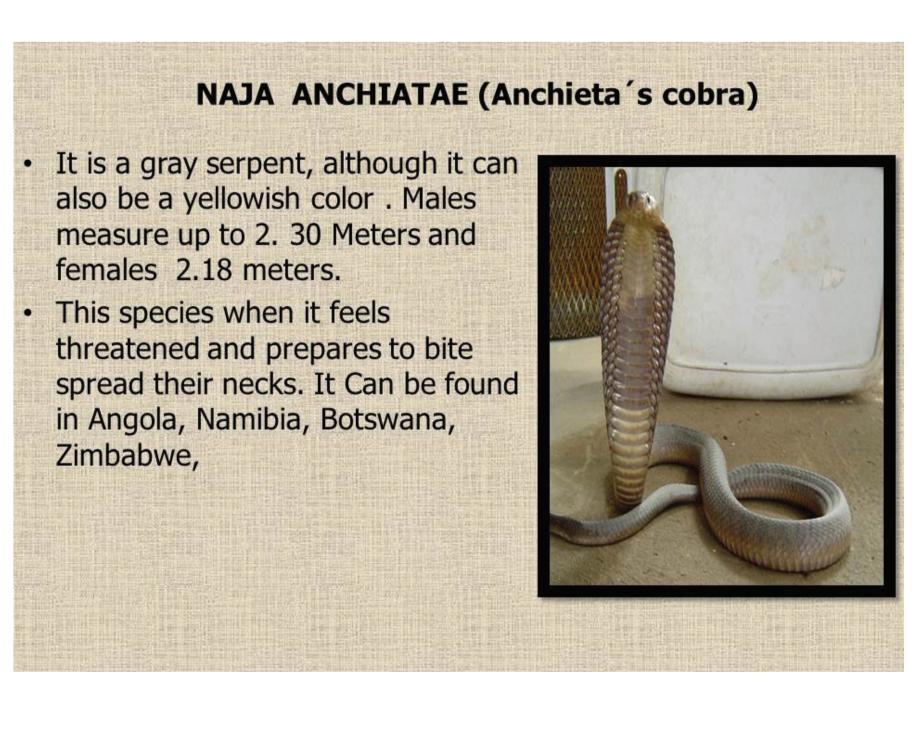


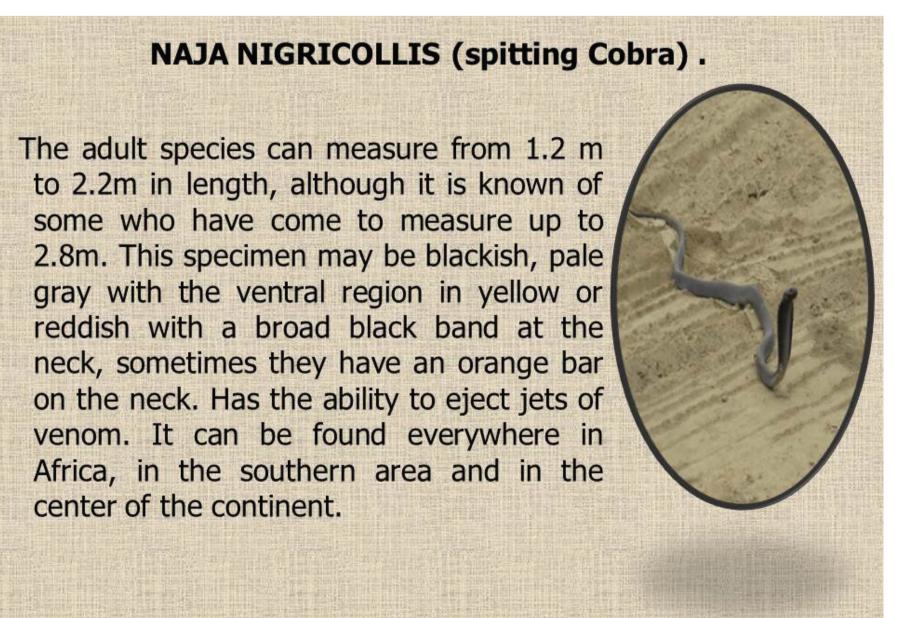














## Results

- Knowledge of the characteristics of the Angolan fauna of snakes.
- Updated information and guidance for the diagnosis and treatment of cases of snakebites.
- Be in possession of the first statistical record snakebites, enabling epidemiological studies and developing a program of care and prevention of this health problem in the country.
- Create the conditions for obtaining and producing specific antivenoms against Angolan snakes venom, which ensures high therapeutic effectiveness.