



# **COUNTRY REPORT – MAURITIUS**

**SATELLITE CROP MONITORING USING THE CROPWATCH SYSTEM**

**07-10 August 2023**

**SANJAY C SEMBHOO**

**Food and Agricultural Research and Extension Institute**

# COUNTRY FACTS

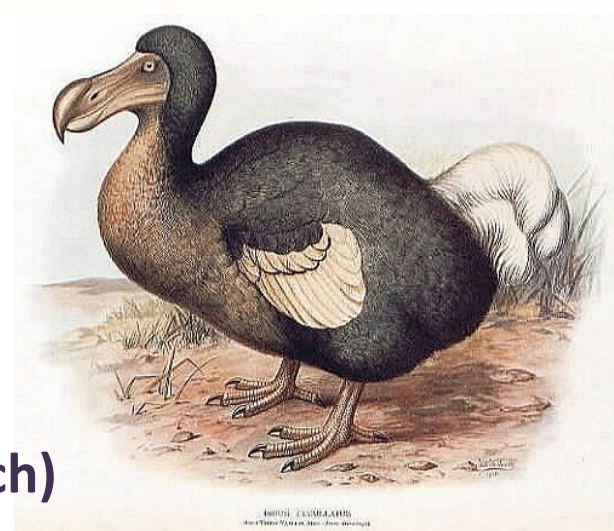
- **Republic of Mauritius (2040 m<sup>2</sup>) – Consists of several islands.**
- **Main island is Mauritius. Small tropical volcanic island.**
- **Capital: Port Louis**
- **Has a number of dependencies, of which, Rodrigues (surface area 110 km<sup>2</sup>) and Agalega (25 km<sup>2</sup>) are inhabited.**
- **Exclusive Economic Zone ~ 2 million km<sup>2</sup> and a population estimated to be ~ 1.237 M as per census 2022.**
- **Official languages: English & French**
- **Religion: Hindu, Christian and Muslim**

# GOVERNMENT, POLITICAL & LEGAL SYSTEM

- **The democratic system of Mauritius is modeled on the British Westminster Parliamentary System.**
- **It guarantees the separation of the legislative, executive and judicial powers.**
- **President is the head of state while political power rests on the Prime Minister and the cabinet. Elections held every 5 years**
- **Hybrid legal system; combines both the civil and common law practices (French Code Napoleon and the British common law).**
- **The right of appeal to the Judicial Committee of the Privy Council in London is applicable as Mauritius is a member of the Commonwealth.**

# HISTORY

- Dutch period: 1598 – 1710
- French period: 1715 – 1810
- British period: 1810 – 1968
- Independence: 1968 & Republic: 1992 (12<sup>th</sup> March)



*Young nation with high ambitions despite limited resources*

*The people are the only assets. No oil, mineral etc...*

# CLIMATE

- **Mild maritime climate**
- **Summer: extending from October to April**
- **Winter: from May to September**
- **Mean max temp. of 31 deg. C**
- **Mean min temp. of 14 deg. C**
- **Tropical depressions of varying intensity, usually in the months of November to April**

# PILLARS OF ECONOMY

- **Agriculture (~ 3.3% of GDP in 2022)**
  - **Manufacturing (13.4% of GDP – 2022)**
  - **Accomodation & Food Services (6.5% of GDP – 2022)**
  - **Financial & Insurance Activities (13.4% of GDP - 2022)**
  - **Education (4.6 % of GDP – 2022)**
- 
- **Employment in agricultural sector ~ 5% of total population**

# AGRICULTURAL SECTOR

- **Two main sectors – Sugar and non-sugar**
- **Non-sugar sector: vegetables, fruits, tea, ornamentals and livestock**
- **Foodcrops production / yr: ~ 110 000 t (on area of ~ 7500 ha).**
- **Total food requirement / yr: ~ 690 000 t**
- **Mauritius is a net food importer. Imports ~ 75% representing USD 1B**
- **Self sufficient: Fresh vegetables, eggs**

# AGRICULTURAL SECTOR 2021

- About 43% of our land under agriculture (StatsMauritius)

Sub Sector	S Area (ha)	% Land
S cane	41897	83
Foocrops	7692	15
Tea	685	1
<b>Total</b>	<b>50274</b>	<b>100</b>

- This total represents about 41% land utilization. Remaining used by livestock ...



# USE OF GIS?

- **Limited.**
- **Foodcrops, D & P monitoring still by in-situ visits.**
- **MSIRI / MCIA – GISCAN: spatial analysis of physical and agronomic data for improving better sugar land use planning and management & recently use of drones.**
- **Otherwise, still focusing on ICT applications**

The image features a white background with decorative geometric shapes. In the top-left corner, there is a cluster of overlapping triangles in shades of teal, light blue, green, purple, and red. In the bottom-right corner, there is a cluster of overlapping triangles in various shades of gray.

**THANK YOU FOR YOUR ATTENTION**