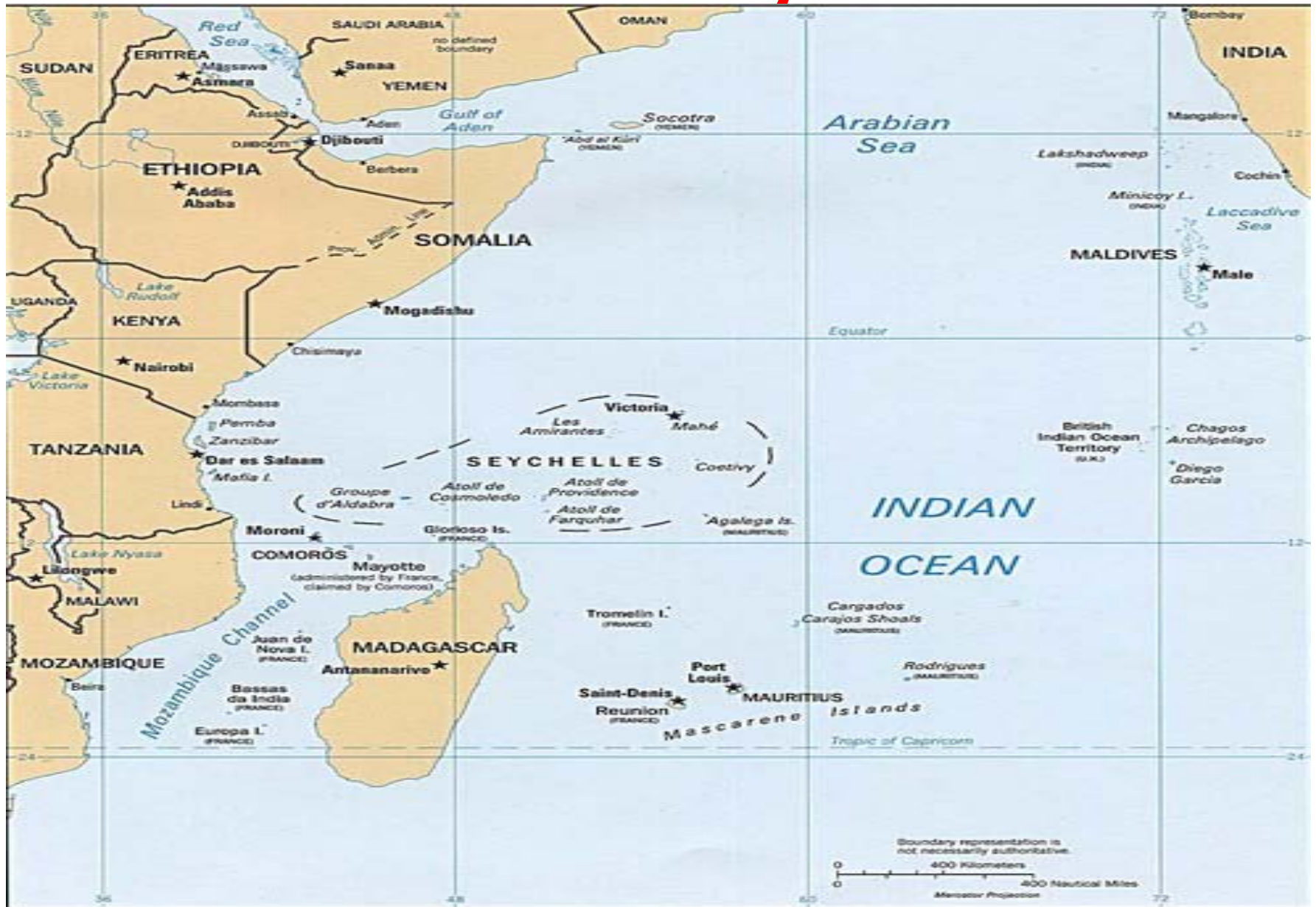


Wastewater Production, Treatment, and Use in Seychelles

Ms. Eulalie Sabury

Mrs. Suzel Cafrine

Location of Seychelles



Wastewater production and treatment

Production

- Domestic
- Commercial
 - Hospitality
 - Fisheries
 - Agriculture

Treatment

- Septic tank / Soakaways
- PUC (Activated Sludge)
- Rotating Bio Contactor (RBC)
- Trickling Filters
- Membrane Bioreactor (MBR)
- Sequential Batch Reactor (SBR)
- Lagoon
- Wet Land

Wastewater use and/or disposal

- PUC
- Domestic
- Agriculture
- Hospitality sector

Regulations and implementation of guidelines

- Public Health Department (PHA)
- Environment Department (EPA – Effluent Standard)
- Public Utilities Cooperation (PUC Act)
- Seychelles Agricultural Agency

Challenges

- Legislation
- Size, land availability and topography
- Financial capability
- Declaration of sewer area/Extension of sewerage network
- Human resources

Government's approach to wastewater management

- EMPS – 2011 – 2020
- Integrated management of wastewater for the protection of public health and the environment.
- Develop sewers and centralised treatment services to other habitable islands
- Ensure cost recovery & sustainable financing for wwm
- Strengthen institutional & legal mechanisms for management of wastewater.

Possible solutions

- Extend sewerage network (comprehensive)
- Engage livestock farmers in wastewater treatment and reuse
- Capacity building (Technical, institutional & human resources)
- Have a comprehensive legislation governing the complete wastewater lifecycle
- Enforcement legislation
- Commitment of all agencies concerned