













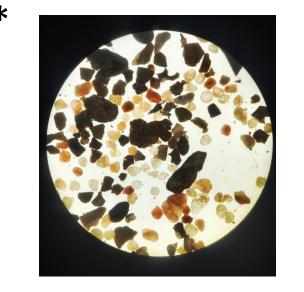






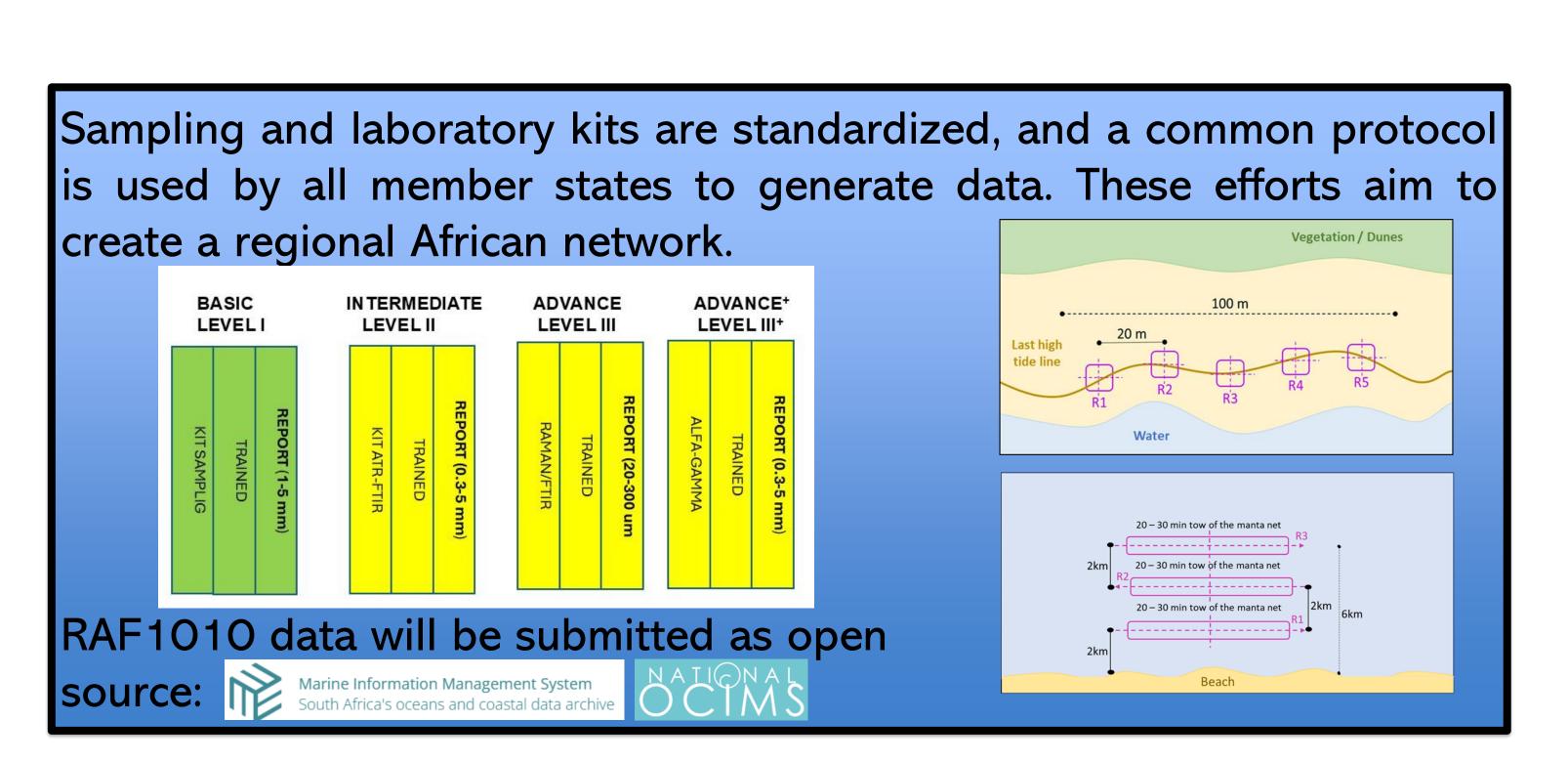
## African implementation of harmonized operational protocols for microplastics in beach sand and surface seawater under the IAEA NUTEC plastic initiative

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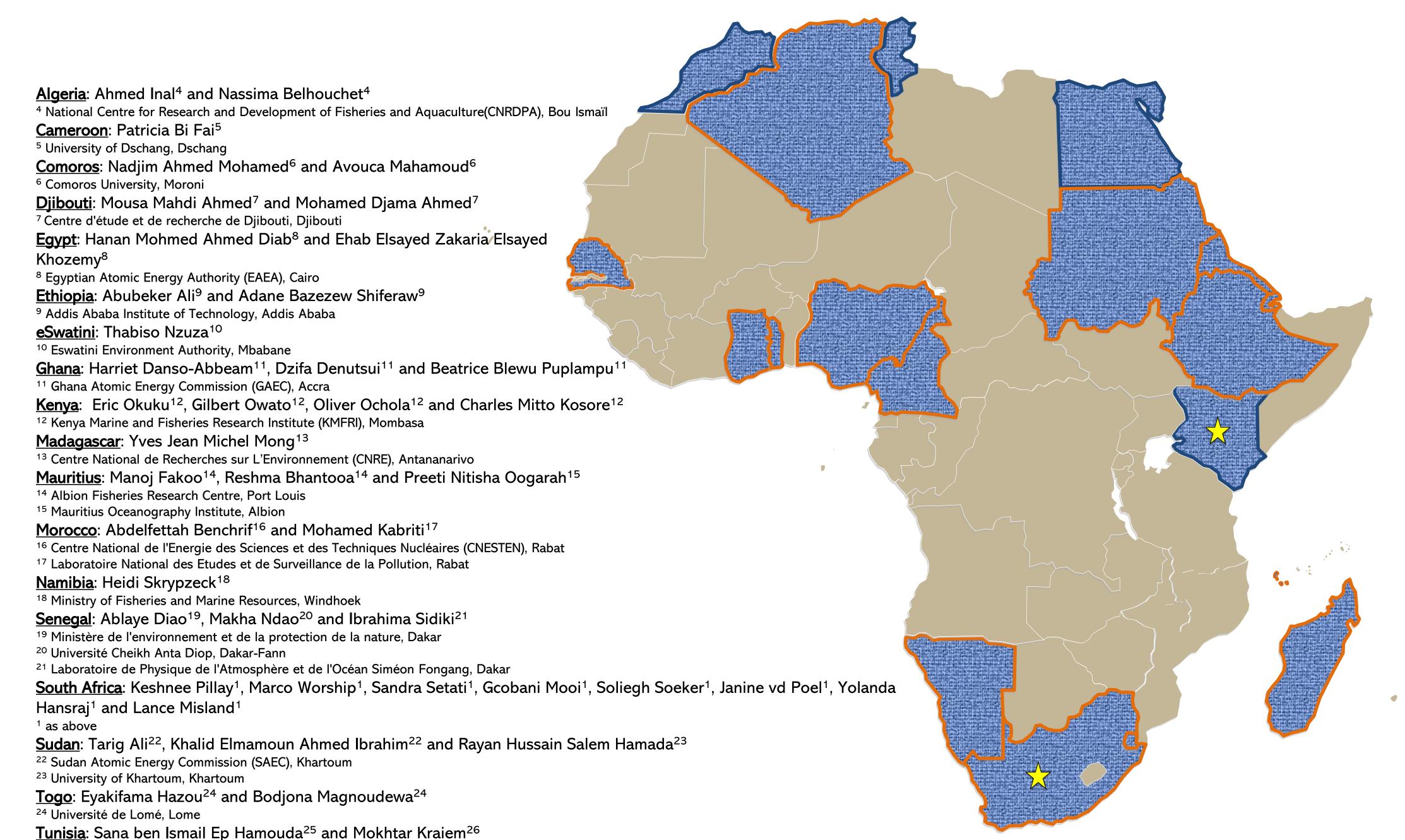


Plastic pollution is a significant environmental issue, with plastics comprising a large portion of municipal and industrial waste. These materials do not decompose easily, leading to severe environmental problems. A four-year project under the African Regional Cooperative Agreement for Research, Development, and Training Related to Nuclear Science and Technology (AFRA) is aligned with Sustainable Development Goal (SDG) 14, which aims to conserve and sustainably use the oceans, seas, and marine resources. It builds on previous IAEA projects and national programmes, aiming to enhance the capabilities of member states to monitor microplastics in beach sand and surface seawater.

Key activities include NUTEC project setup, harmonizing national programmes with the NUTEC objectives, and training/capacity-building.



Example of results: Morocco Standardised method on sand Standardised laboratory analysis Standardised time period: February Standardised monitoring sites: Mehdya beach, Kenitra Ras R'mel beach, Larache Standardised reporting format Standardised data submission format



**UN Ocean Decade endorsed project** No.3.5. Comparable microplastics monitoring of oceans Led by South Africa Multiple countries with the aim to use

comparable methods to monitor beach sand and water twice a year [February and August] until 2030 and submit this data to UN SDG14.1.1.b.

Open for collaboration globally, please scan the QR code if you are interested:





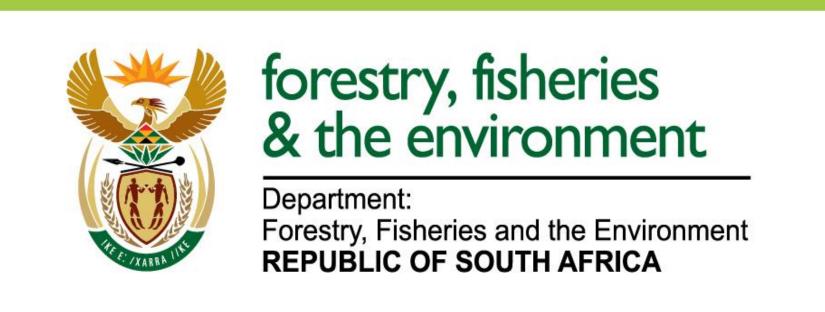








<sup>26</sup> Centre National des Sciences et Technologies Nucleaires (CNSTN), Sidi Thabet Kits in transit to member state Kegional hub, advanced lab, more to be determined MEMBER STATES WHO HAVE AGREED TO THE NUTEC PROTOCOL Kits have been received by member state



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