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 **EXTREME E AND OCEANIUM:
Senegalese Legacy Programme Facts**

**What is Oceanium and what has it achieved?**



* Senegalese NGO
* Created in 1984
* Focus on environmental conservation, developing reforestation activities with the collaboration of local communities in Senegal
* In 2006/2007, 65,000 plants were planted in partnership with residents of Tobor village, achieving 85% recovery after one year in one of the largest mangrove replantation efforts in the world
* Between 2006 and 2019, Oceanium restored 15,000 ha of mangroves, representing 150,000 million trees planted
* A 2018 study by the Tour du Valat made an evaluation about the socio-economic impact of reforestation in 100 villages
	+ 80 – 100% of households participated in reforestation
	+ 4.5 / 5 = overall score of socio-economic impact
	+ 95% of households have improved their diet
	+ 43% improved their financial income
	+ 6.58 million euros generated by the increase in fishery resources
	+ 64,000 euros generated by the increase in rice production

**What are the aims of Extreme E’s legacy programme in Senegal?**



* Restore additional 60 hectares, which corresponds to one million more mangroves planted in the Sine Saloum delta
* Provide education for the local populations who will be the actors and beneficiaries of this project on the importance of managing their resources themselves through awareness sessions led by the Oceanium
* Improving social cohesion, co-operation and community between the village groups, as the mangrove seeds will be provided by the population of other villages where previous planting projects are now maintaining healthy mature mangroves

**What are mangroves?**



* A forest of small shrubs or trees that grow in coastal saline

**Why are they important?**



* One of the richest ecosystems in the world, which a wide diversity of species
* A renewable natural source providing wood for energy and construction (building and vessels), tanning leather from tannins in the bark
* Store carbon: Pound for pound, mangroves can sequester four times more carbon than rainforests can. Most of this carbon is stored in the soil beneath mangrove trees
* Reduce flooding and erosion from storms by wave attenuation and trapping sediment
* Nurseries for fish
* Filter salt and pollutants from water
* Branches provide homes for lizards, snakes and nesting birds
* Provide wealth for local communities as a resource on which they depend for their livelihood. In Senegal, the mangrove tree is used as timber and the oysters that grow on the stilt roots of the mangroves are eaten locally and provide a significant protein supply
* Tourism- ecotourism

**What is happening to them, particularly in Senegal?**



* They are disappearing at an alarming rate, 25% of Senegal’s mangroves (45,000 hectares) and 35% of the world’s mangroves have already been lost due to droughts and deforestation between 1980 and 2000
* Reasons for deforestation include to make room for shrimp and other forms of aquaculture, as well as for their wood
* At risk of mass drowning as global warming raises sea levels

**How will this be done?**





* Create a network of volunteer local residents
* Drive awareness via one cinema screening session per area
* Collect seeds and reforest identified plots
* Share the news via local radio stations and local partnerships

**What is the estimated impact of the project?**





* One hectare of mangroves can capture five carbon tonnes of CO2 per year, meaning 60 hectares over even just five years could capture approximately 1,500 carbon tonnes, as well as providing many socio economic benefits to the local economy as listed which will ensure a positive local impact for years to come.

**Who is To.Org and what is their role?**

* [To.org](https://to.org/) is committed to healing the world by accelerating Earth’s most vital ventures. Founded by Nachson and Arieh Mimran, the organization operates through a hybrid model of ventures and philanthropy, built around the fundamental belief that in order to heal the world we must take a creative approach.
* The [To.org](https://to.org/) mission is achieved in three distinct ways: 1) Ventures – investing to accelerate Earth’s most vital ventures; 2) Create – amplifying Earth’s most vital ideas; 3) Foundation – supporting individuals and organizations working to heal people and planet.
* Projects To.org has been involved with include the TOGETHER FUND, #TOGETHERBAND, Vollebak, mPharma, and Sokowatch. For more information please visit <https://to.org>
* To.org is a legacy partner of Extreme E in Senegal. Its presence in Dakar is focused on bringing partners together to address the region’s most critical social and environmental issues – rising sea-levels, marine ecosystem degradation and desertification – worsened by overfishing, inadequate waste management and climate change.
* Extreme E has utilised To.Org’s unique understanding of Senegal, both to identify Lac Rose as a race location, and to recommend Oceanium as a legacy project opportunity.