

# **COUNTRY UPDATE: MALDIVES**





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# 1. New research or conservation projects related to marine turtles and/or their habitats





Founded in 2013 by Dr. Martin Stelfox

Based in 7 different atolls of the Maldives

Focus Areas: Rescue & Rehab, Research, Education & Outreach

Founded in 2012 by Naifaru Juvenile NGO

Location: Lh.Naifaru

Focus Areas: Rescue & Rehab, Community

**Engagement & Education Outreach** 



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## **Population Monitoring**

Expansion of data collection locations through collaboration.







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## **Population Monitoring**

- Total number of identified turtles: 1369 greens, 4497 hawksbills (as per 01.03.2023)
- Total number of identified turtle encounters registered on IoT: 34,266











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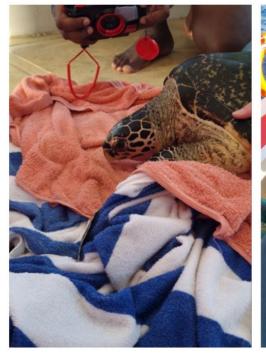
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## **Sea Turtle Expedition**

Establishing a population genetics baseline for the sea turtle populations in the country

Also study sea turtle symbionts, tag hawksbills for spatial ecology, turtle hotspot benthos, gut fauna

baseline







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# **Satellite Tagging**

Identify sea turtle migration, diving behaviour, foraging grounds and potential threats along the way.







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#### Sea Turtle Health & Behaviour

- Documenting and developing new treatment methods for injured turtles.
- Aiming to improve rehab housing conditions for turtle patients and the implementation of enrichment objects.
- Develop protocols for understudied species.
- Monitoring sea turtle epibionts and parasite, comparing species composition in reef residents vs entangled animals.
- Gut health in turtle patients vs wild turtles, investigating the respective gut microbiome.
- Tourist-turtle interactions pre-and post COVID.











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#### Socio-Economic Research

First estimate of the potential socioeconomic value of sea turtle tourism in the Maldives.







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## **Protected Area: L.Gaadhoo Turtle Nesting Beach Protection**

- Monitoring the most significant sea turtle nesting beach with community participation
- Ranger conducts scientific data collection & coordinate with EPA on monitoring the site (poaching/maintenance)
- Increasing community participation in conservation science
- Aims to develop an effective monitoring plan for the protected area management plan













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## **Education and Community Outreach**

- 2022 Vaavoshi Festival and Lhaviyani Kanuhura Festival combined, reached about 5000+ people.
- Sea Turtle Guardian Program a training program targeted to increase citizen scientists.











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## **Capacity Building of Locals**

- Paid internship opportunities
- Employment opportunities









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# 2. Large infrastructure developments affecting marine turtles and/ or their habitats

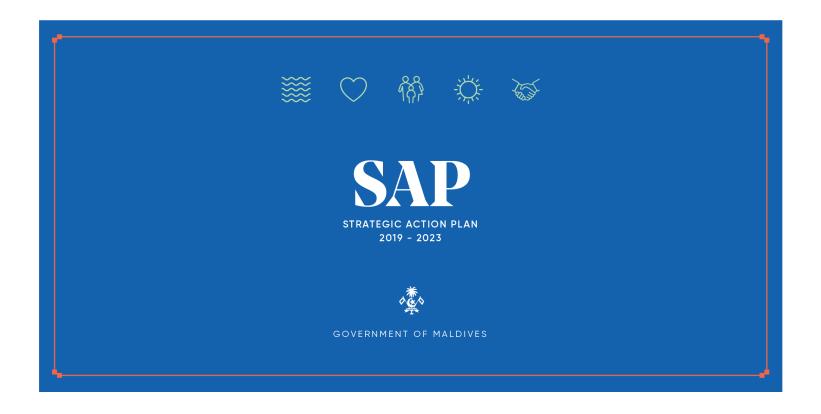
# **Dredging and Reclamation**





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3. Changes in national policy, laws, or management frameworks affecting marine turtles and/ or their habitats

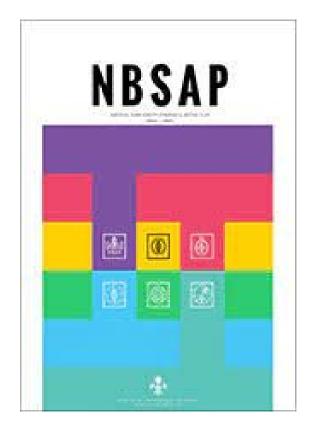




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Environmental Protection and Preservation Act (4/93)





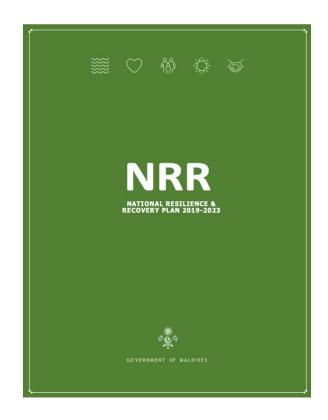
ئَارِّدِ مِنْ سَرَسْرُهُ مِنْ: 2021/R-25

وْوْرَيْمِ وْوْرُورْ شَوْمُ وَهِ وْوْدُورْ بِرَوْرُونِيْ بَرْدُنْدُونِيْنَا فِيرِيْنَ فِيرِ وَنَادِيْكُونَ وَوُرِوْ

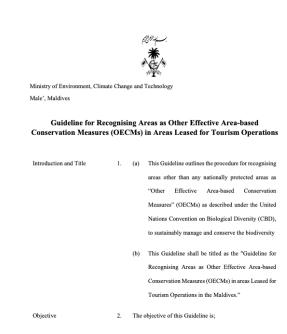


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# 4. Emerging threats or challenges (including caused/ aggravated by the pandemic

- Limited funding
- Public revenue focuses on basic needs
- Unsustainable development/encroachment of habitat
- Climate change







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# 4. Emerging threats or challenges (including caused/ aggravated by the pandemic

- Lack of general awareness and education on conservation
- Poaching & cultural sensitivities on hunting/harvesting turtle & eggs
- Limited resources in monitoring and enforcement/ unclear responsibilities for police
- Parachute science











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- 4. Emerging threats or challenges (including caused/ aggravated by the pandemic
- Geographic isolation of islands
- Limited local involvement





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# 5. Achievements / success story

#### Maldives Red List















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# 5. Achievements / success story

- Resource mobilization (GEFF small grant)
- Protected Areas
  - (29 sea turtle ecosystems declared as protected areas)
  - Protected Area management at L.Gaadhoo and B.Olhagiri
- Biosphere Reserve (3 atolls declared as BR)
- Strengthened regulatory framework and enforcement (guidelines/management plan
- Long term data collection through permits (nesting data, turtle injuries, nest relocation)
- Improved monitoring and inspections
- Govt capacity building in research
- Increase in research activities including citizen science submissions
- Sea turtle booklet

