

# Patara (Turkey)



Paolo Casale

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# Predation

High levels of predation reported

Nests are caged

- **Predation makes turtle reproduction being conservation-dependent**
- **Predators may have increased thanks to anthropogenic food sources and should not be considered as a natural factor**

# Structures/Objects

Southern access



# Structures/Objects

- Potential problem if left during the night
- Limited part of the beach: limited impact
- Potential expansion in the future



# Structures/Objects



➤ Potential expansion in the future

# Fishing

- Potential problem for hatchlings and females



# General development

- E.g. 415 new houses planned nearby
- Increasing human presence on the beach in the future



# Patara: reasons of concern

Still almost pristine conditions, **HOWEVER:**

- **Predation of eggs may dramatically reduce the reproductive output and nest protection is currently undertaken . Turtle population is partially conservation-dependent**
- **Structures/objects on the beach may interfere with nesting**
- **General development in the area will increase human presence and potential disturbance**
- **Inadequate management**

## **Patara: Recommendations**

- 1. Stop any further development (structures, roads, etc.)**
- 2. Regulate the extent and use of beach furniture**
- 3. Barriers for vehicles**
- 4. Enforce**
- 5. Protect all nests in areas frequented by humans**
- 6. Improve information**
- 7. Manage predators**
- 8. Set up long-term research and conservation programs conducted by the same team**

# Fethiye (Turkey)



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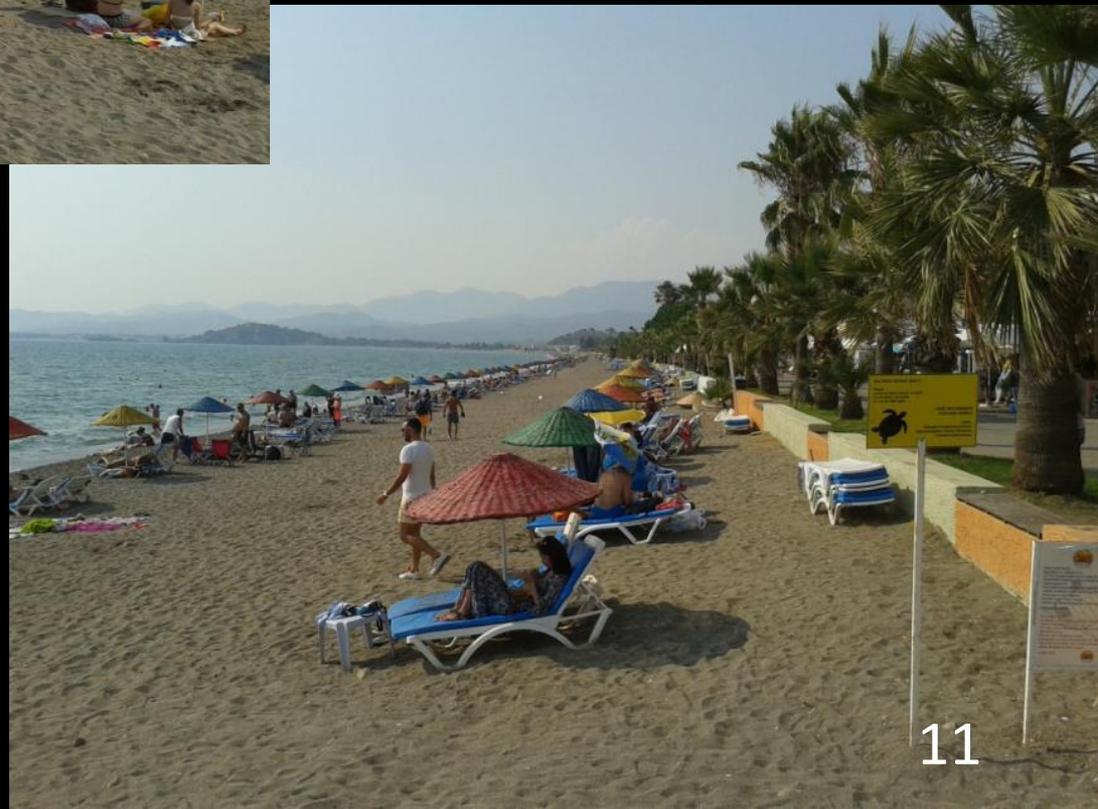


## Permanent habitat reduction

Especially in Çalış: promenade

Vulnerable to Climate Change

The remaining wider tracts are valuable



# Semi-Permanent habitat reduction



# Semi-Permanent habitat reduction



# Semi-Permanent habitat reduction





**Semi-Permanent habitat reduction**

# Semi-Permanent habitat reduction



# Semi-Permanent habitat reduction



# Light pollution

Çalış promenade



# Light pollution

Çalış promenade: view from the beach



# Light pollution



# Light pollution



**Artificial bright horizon along the bay**

# Disturbance by night

High human presence on the beach

Recent non-permanent “barriers” for vehicles



# Future development

**Shipyard in Akgöl ?**

**One of the few undeveloped tracts: potential refuge area**

**High number of nests**



# Fethiye: reasons of concern

- **Permanent and semi-permanent habitat reduction**
- **Intensive beach use by night**
- **Intensive light-pollution**
- **Vehicles**
- **Planned shipyard**
- **Inadequate management**

# Fethiye

## SEVERE DEGRADATION

- Nesting highly impacted
  - Incubation + orientation highly conservation-dependent
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- Obvious lack of interest and poor management
  - Only a dramatic change of interest and management can reverse the situation

# Fethiye: Recommendations

1. Stop any further development (structures, roads, etc.)
2. Stop sand extraction
3. Remove planted vegetation
4. Coast zoning: furnitures allowed (A) or not (B) [based on current nests and pebbles/sand]
5. In (A) furnitures only close to the sea and with low impact at night
6. Prohibit access at night
7. Remove structures from sandy zones in narrow tracts
8. Minimize light pollution
9. Permanent barriers for vehicles
10. Enforce
11. Protect all nests (until the situation improves)
12. Improve information
13. Set up long-term research and conservation programs conducted by the same team