



**Sooty Falcon International Single Species Action Plan:
Building support toward active conservation**

The Global Status of the Sooty Falcon: Defining Monitoring Priorities through Generational Data Analysis

5 February 2026

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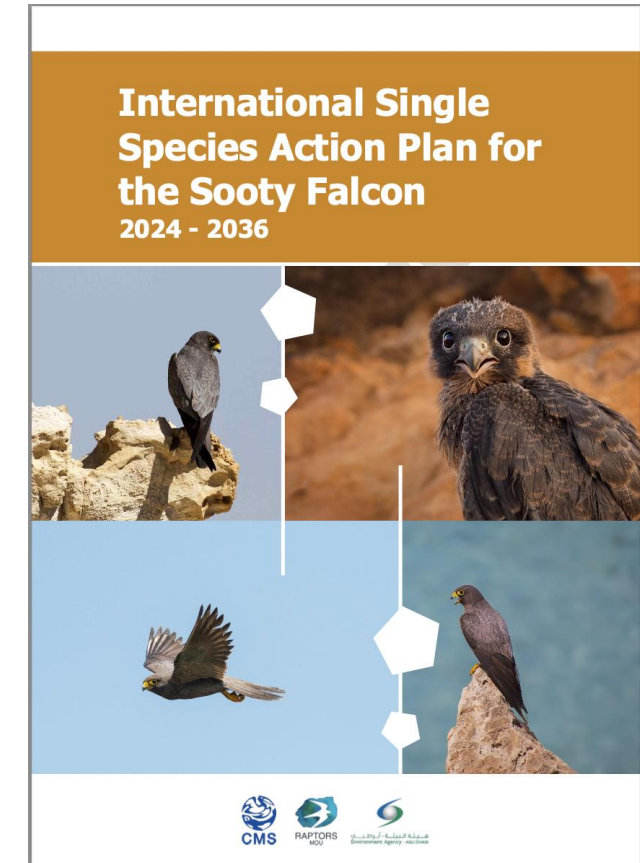
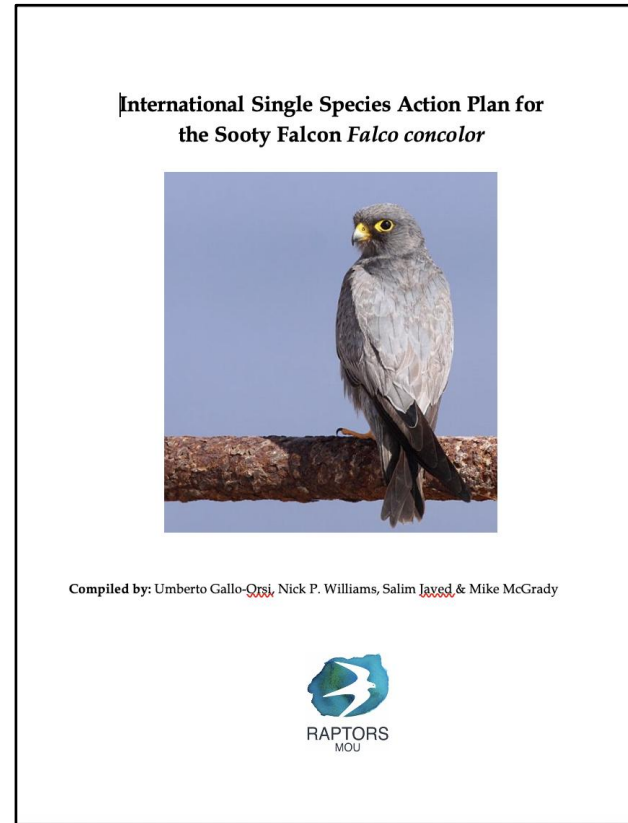
areleo@yahoo.com



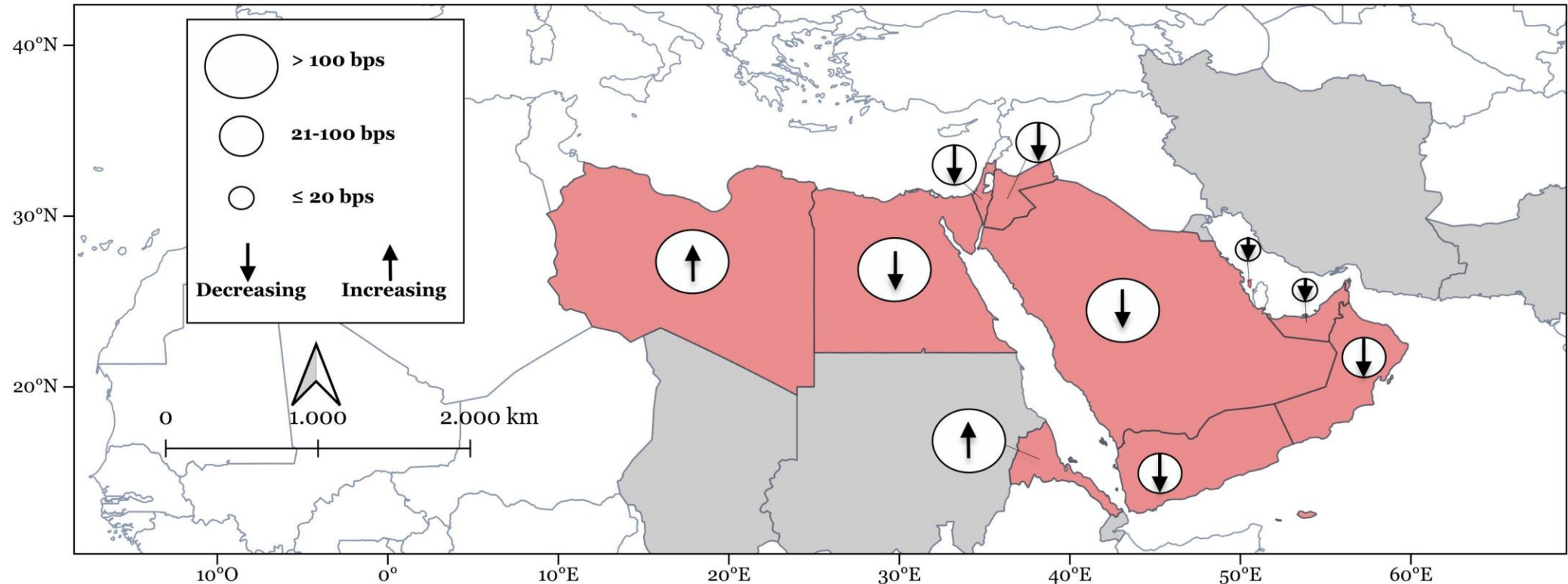
Global Breeding Population Estimates

- 1,400-2,000 bps (2014)
- 1,149-1,597 bps (2024)
- 1,053-1,360 bps (2026)

-5.45%



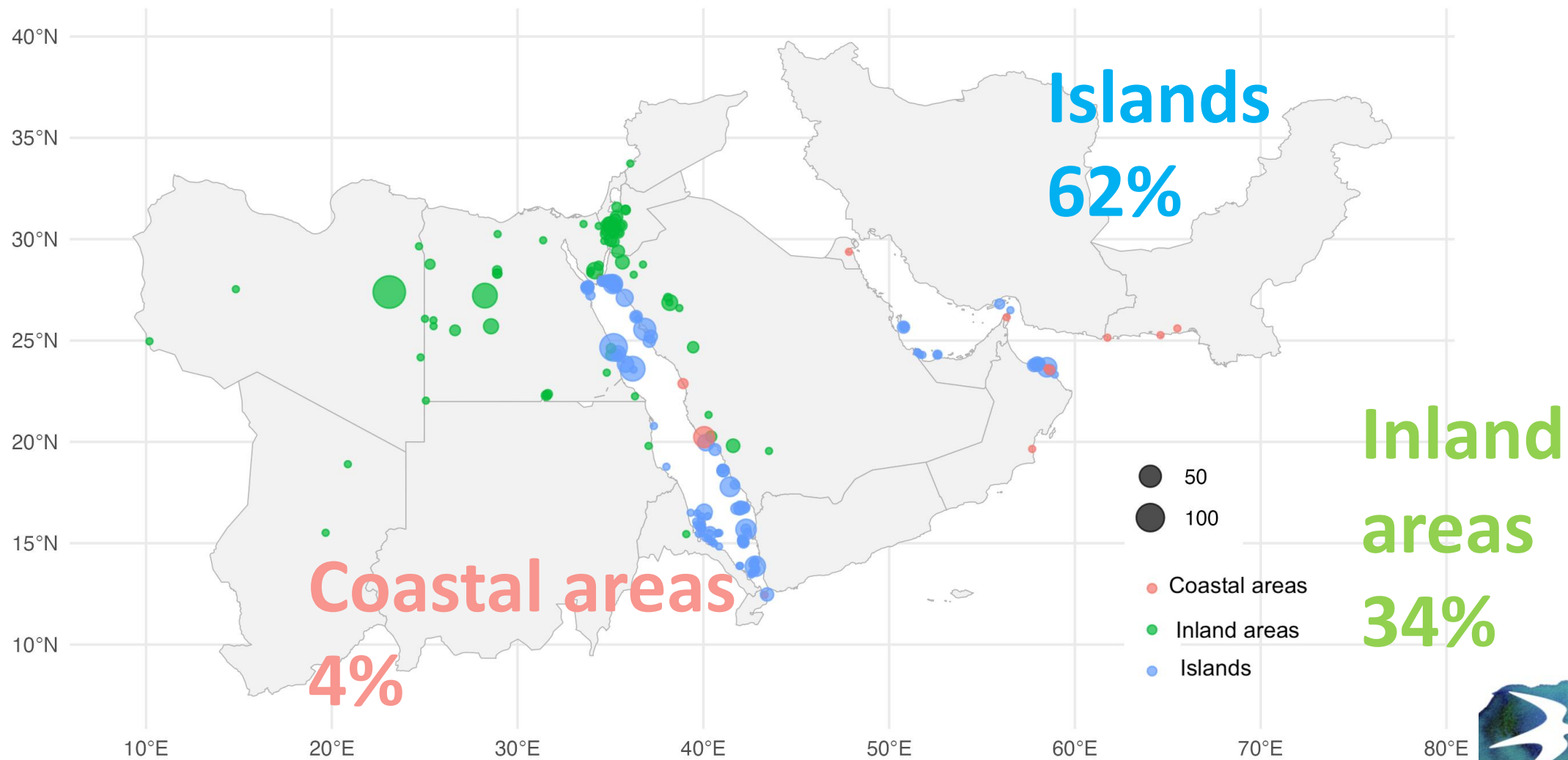
Country-Level Trends and Estimates (2010–2022)



Reference: Leonardi et al. 2026 – *Ornis Hungarica*



Sooty Falcon Habitat Categorisation and National Breeding Ranges

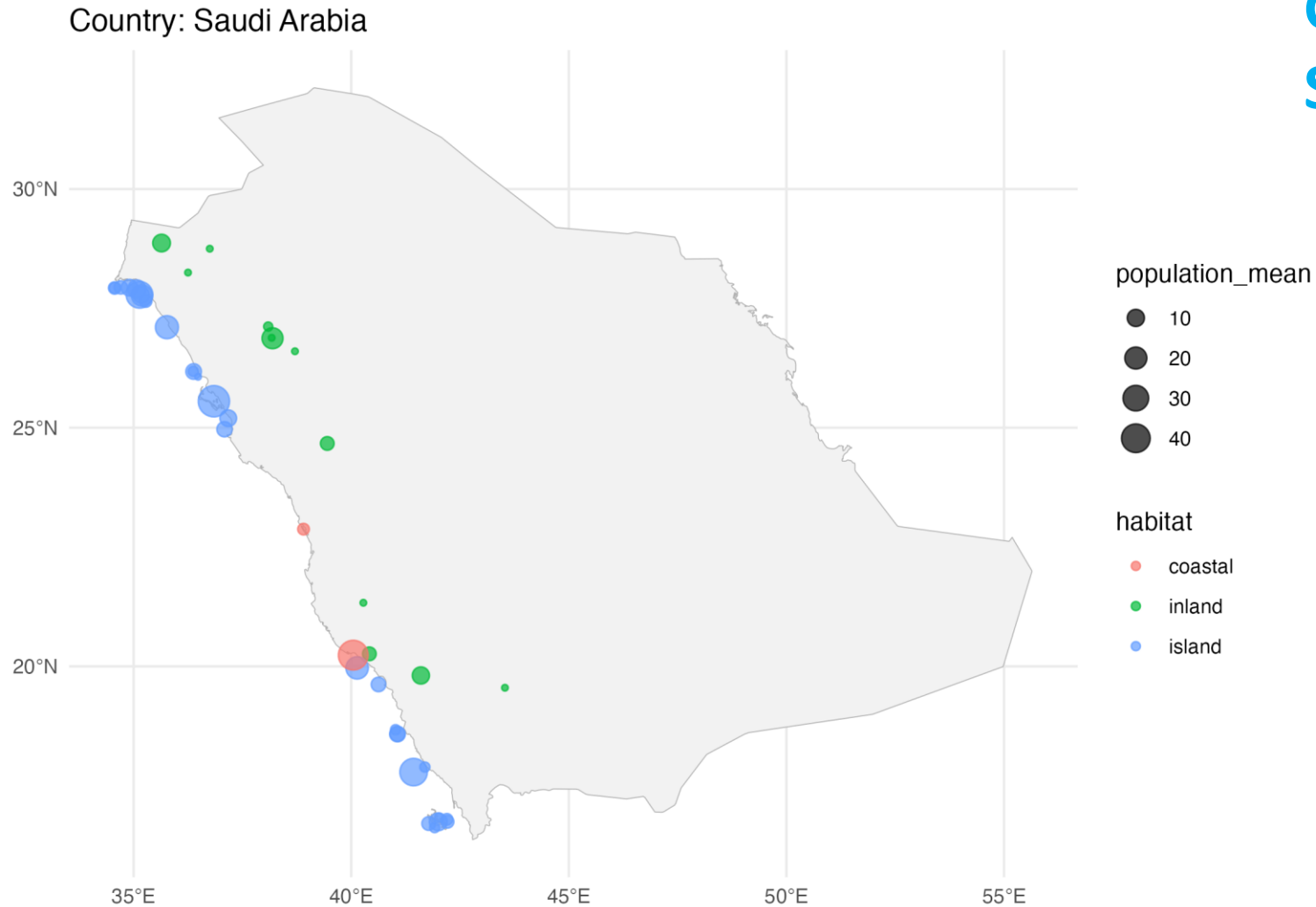


RAPTORS
MOU

Age of Data: Generational Lag in National Population Censuses

- **Metric Rationale:** Population estimates are evaluated against the Sooty Falcon's generation length of 4.1 years (IUCN Red List) to determine biological relevance
- **Generational Lag:** We calculated the time elapsed between the median census year per country and the current 2025 baseline.
- **Assessment of Obsolescence:** Data is considered current if collected within 1 generation (<4.1 years). Data is deemed biologically obsolete if the lag exceeds 2–3 generations, as it no longer reflects contemporary population dynamics.

Kingdom of Saudi Arabia



Global Population
Share: **29.8%**

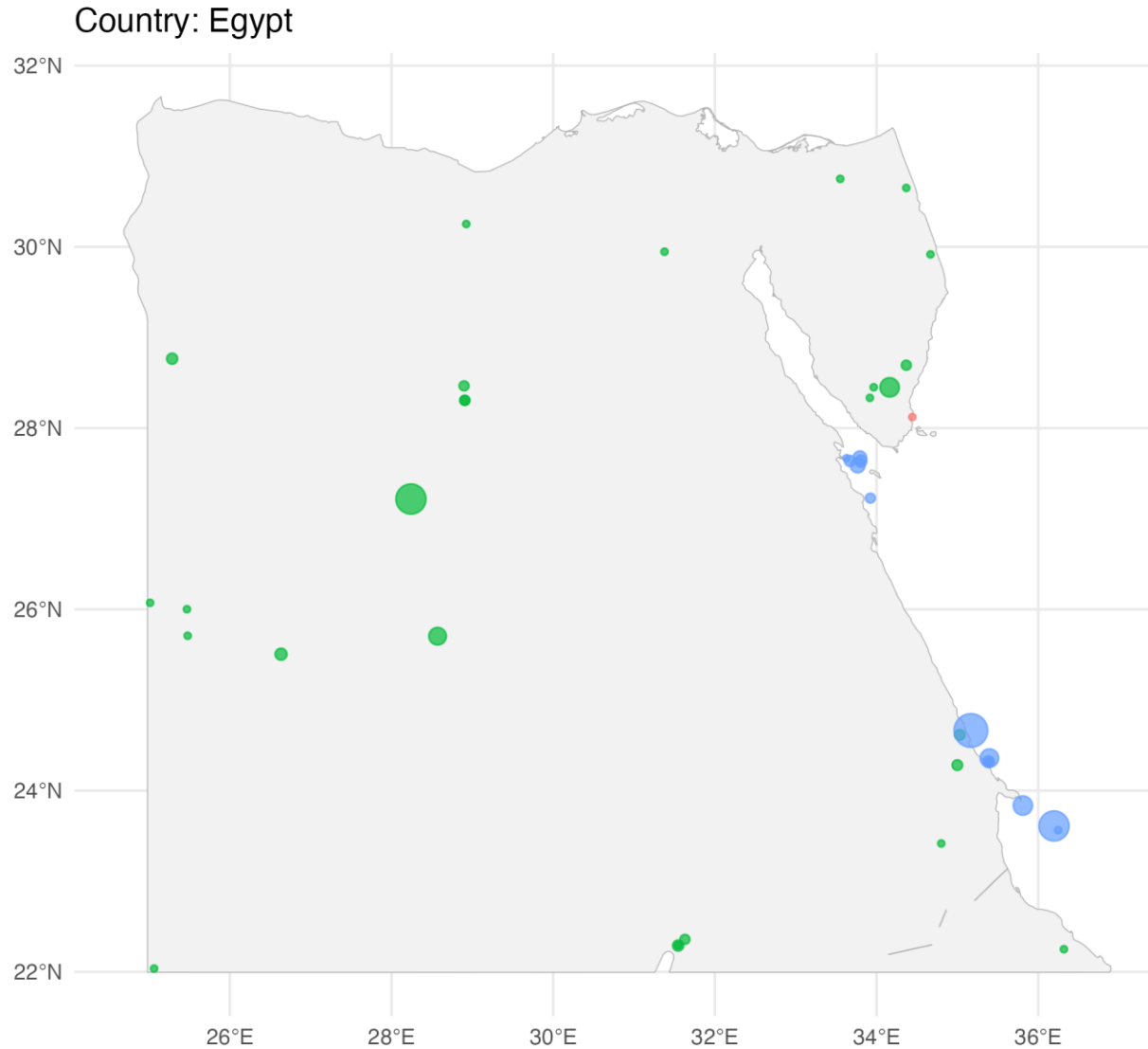
Generational lag:
1.95

Data Status: **Valid**

- GL = 0.0 – 1.0 Current
- GL = 1.0 – 3.0 Valid
- GL = >3 Biologically obsolete



Egypt



Global Population
Share: **27.6%**

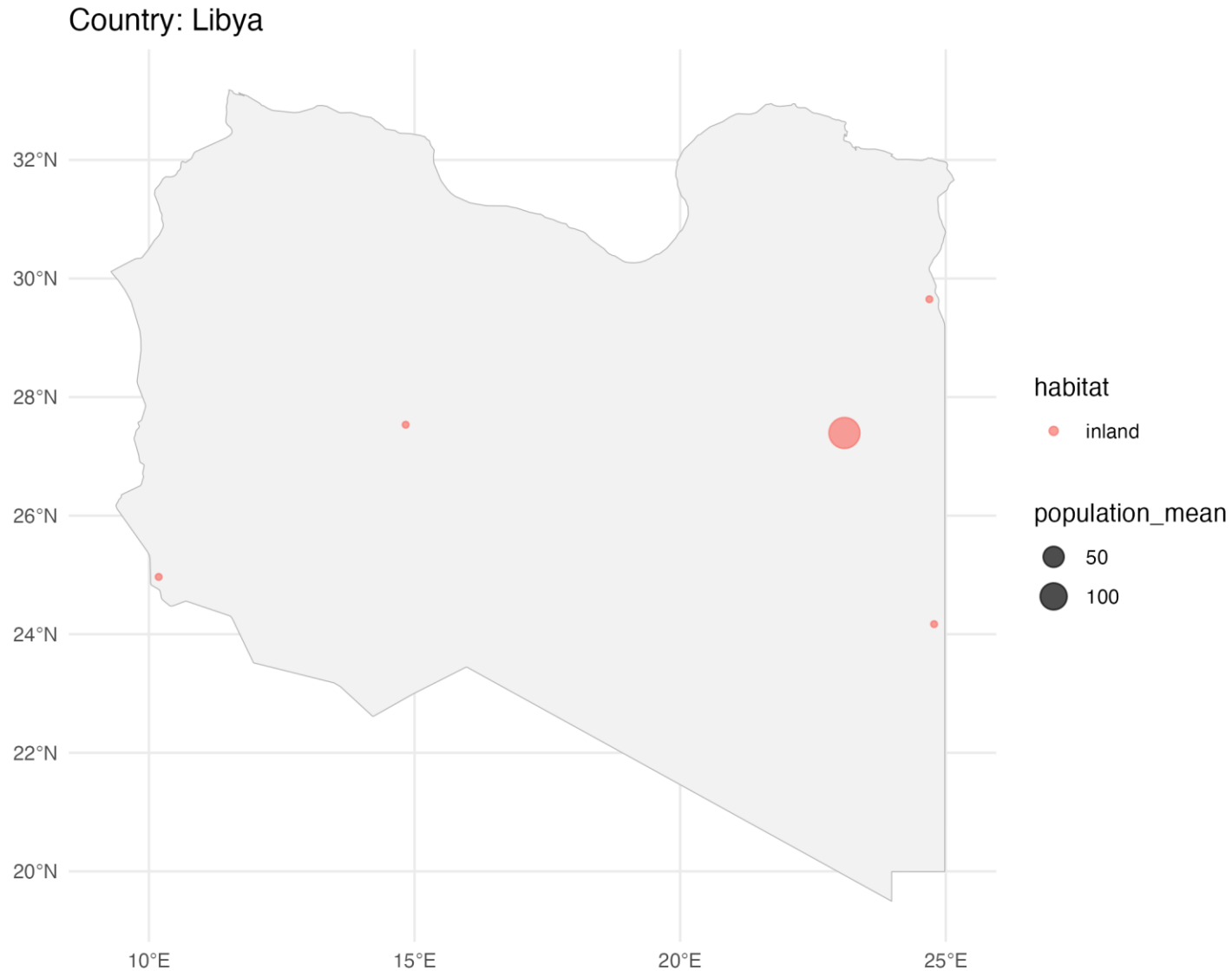
Generational lag:
2.19

Data Status: **Valid**

- GL = 0.0 – 1.0 Current
- GL = 1.0 – 3.0 Valid
- GL = >3 Biologically obsolete



Libya



Global Population
Share: **10.8%**

Generational lag:
2.92

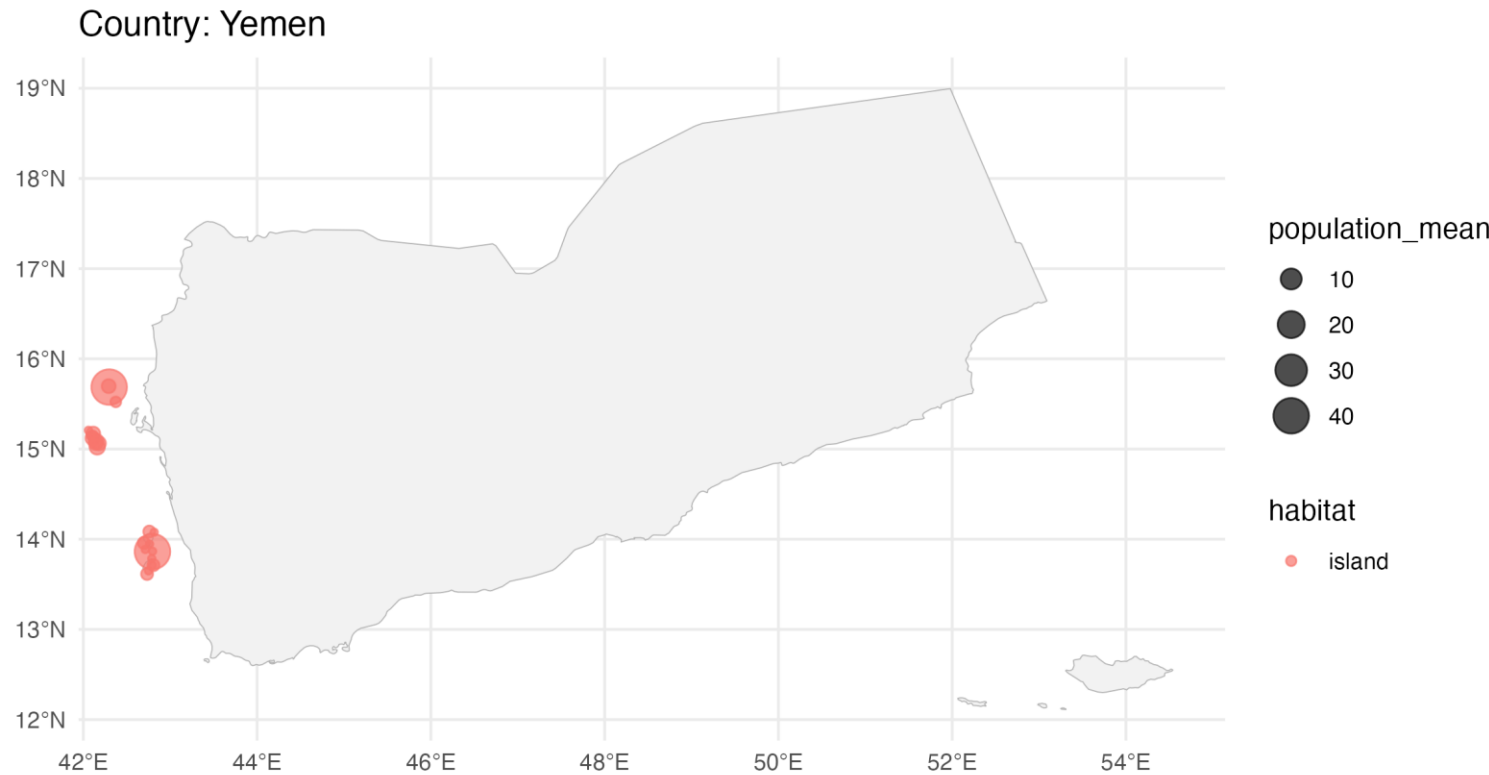
Data Status: **Valid**

- GL = 0.0 – 1.0 Current
- GL = 1.0 – 3.0 Valid
- GL = >3 Biologically obsolete



Yemen

Global Population
Share: **9.11%**



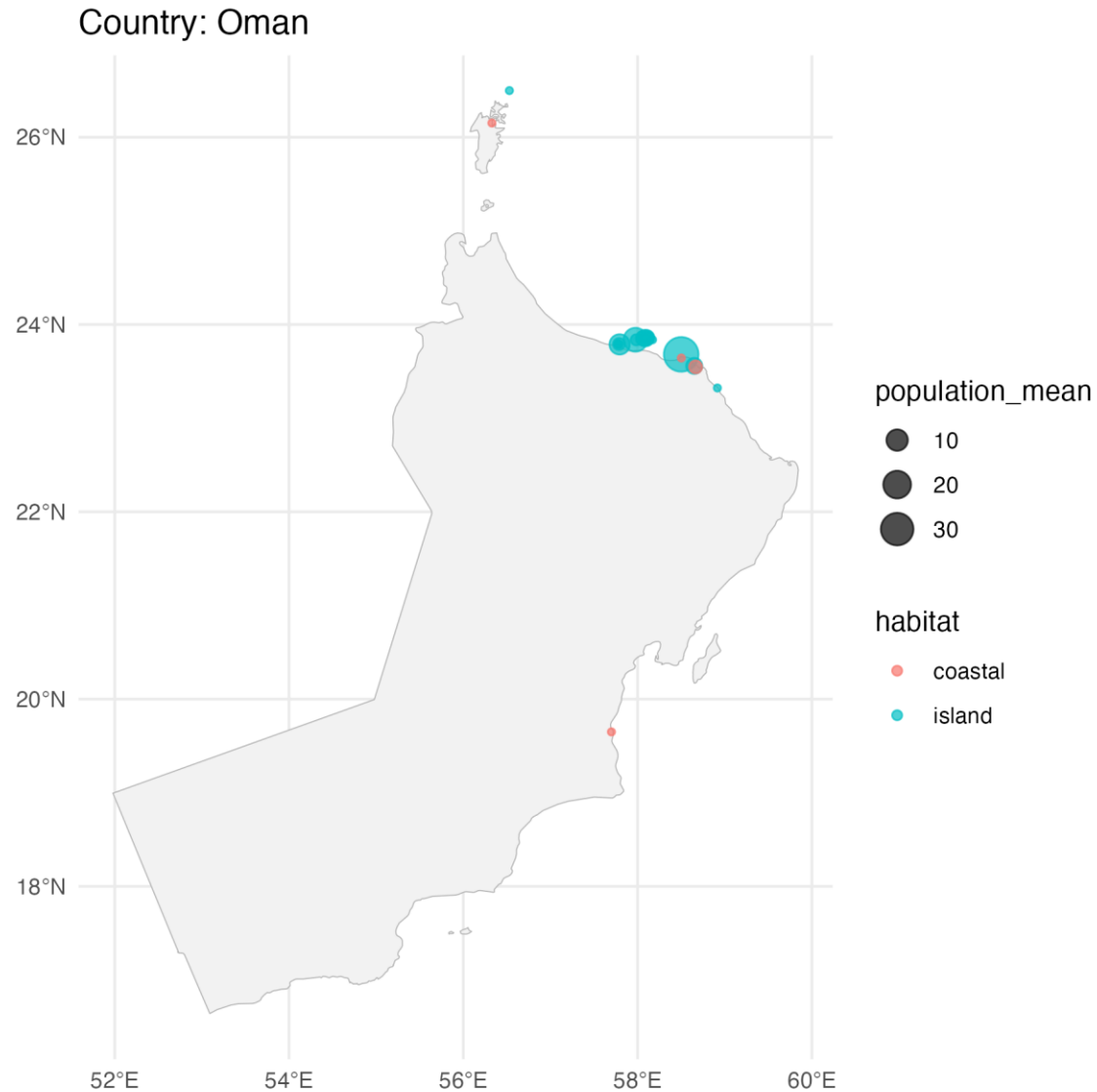
Generational lag:
5.6

Data Status: **Obsolete**

- GL = 0.0 – 1.0 Current
- GL = 1.0 – 3.0 Valid
- GL = >3 Biologically obsolete



Oman



**Global Population
Share: 7.02%**

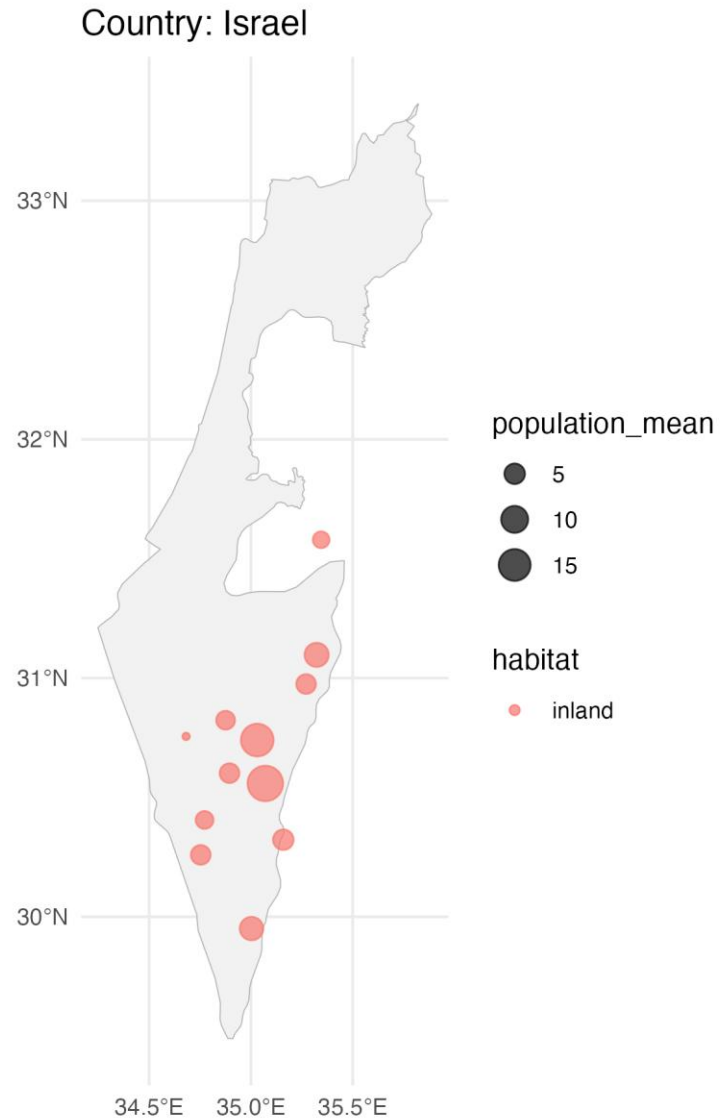
**Generational lag:
2.19**

Data Status: Valid

- GL = 0.0 – 1.0 Current
- GL = 1.0 – 3.0 Valid
- GL = >3 Biologically obsolete



Israel



Global Population
Share: **5.9%**

Generational lag:
2.19

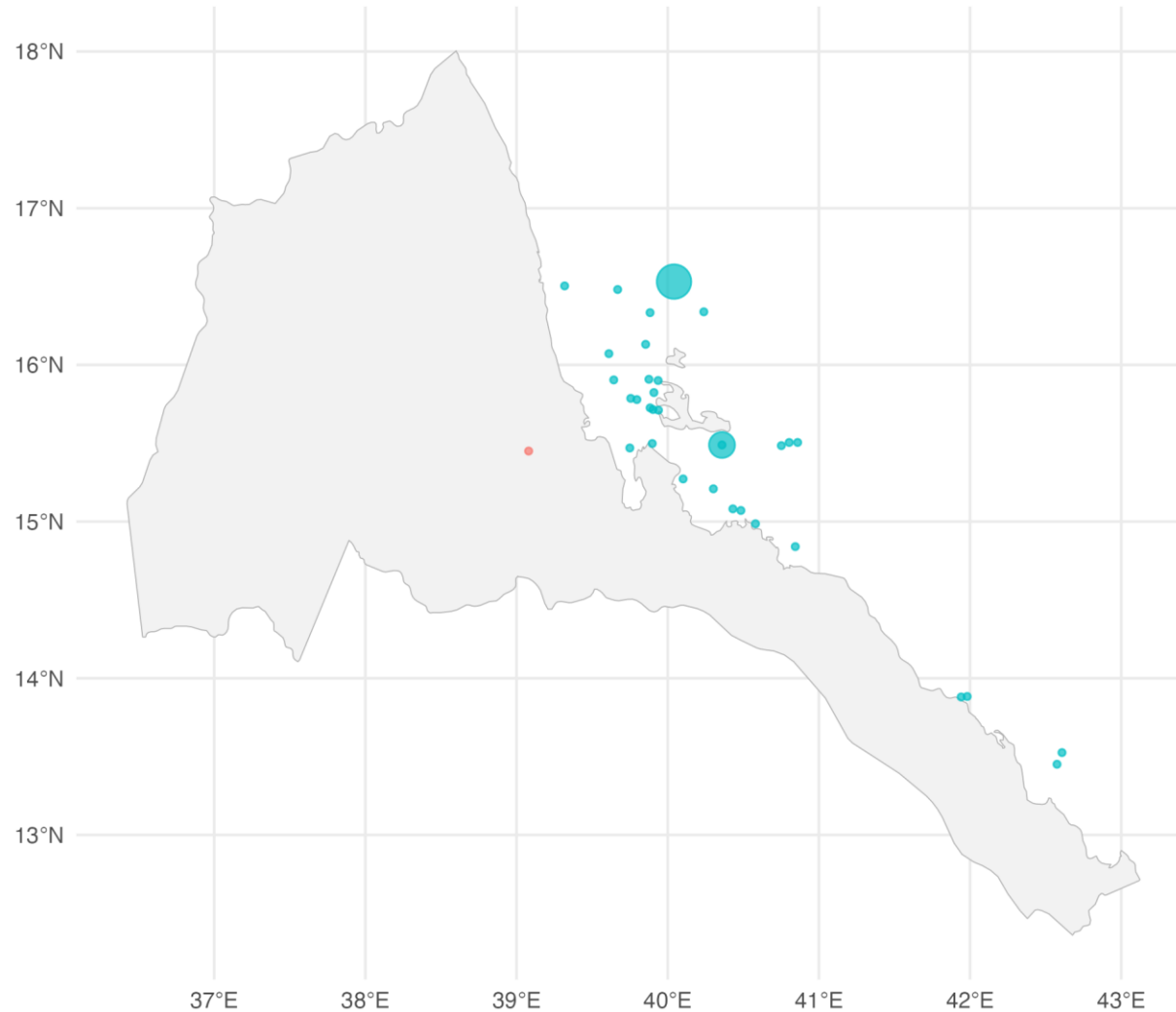
Data Status: **Valid**

- GL = 0.0 – 1.0 Current
- GL = 1.0 – 3.0 Valid
- GL = >3 Biologically obsolete



Eritrea

Country: Eritrea



Global Population
Share: **4.57%**

Generational lag:
4.39

Data Status: **Obsolete**

habitat

- inland
- island

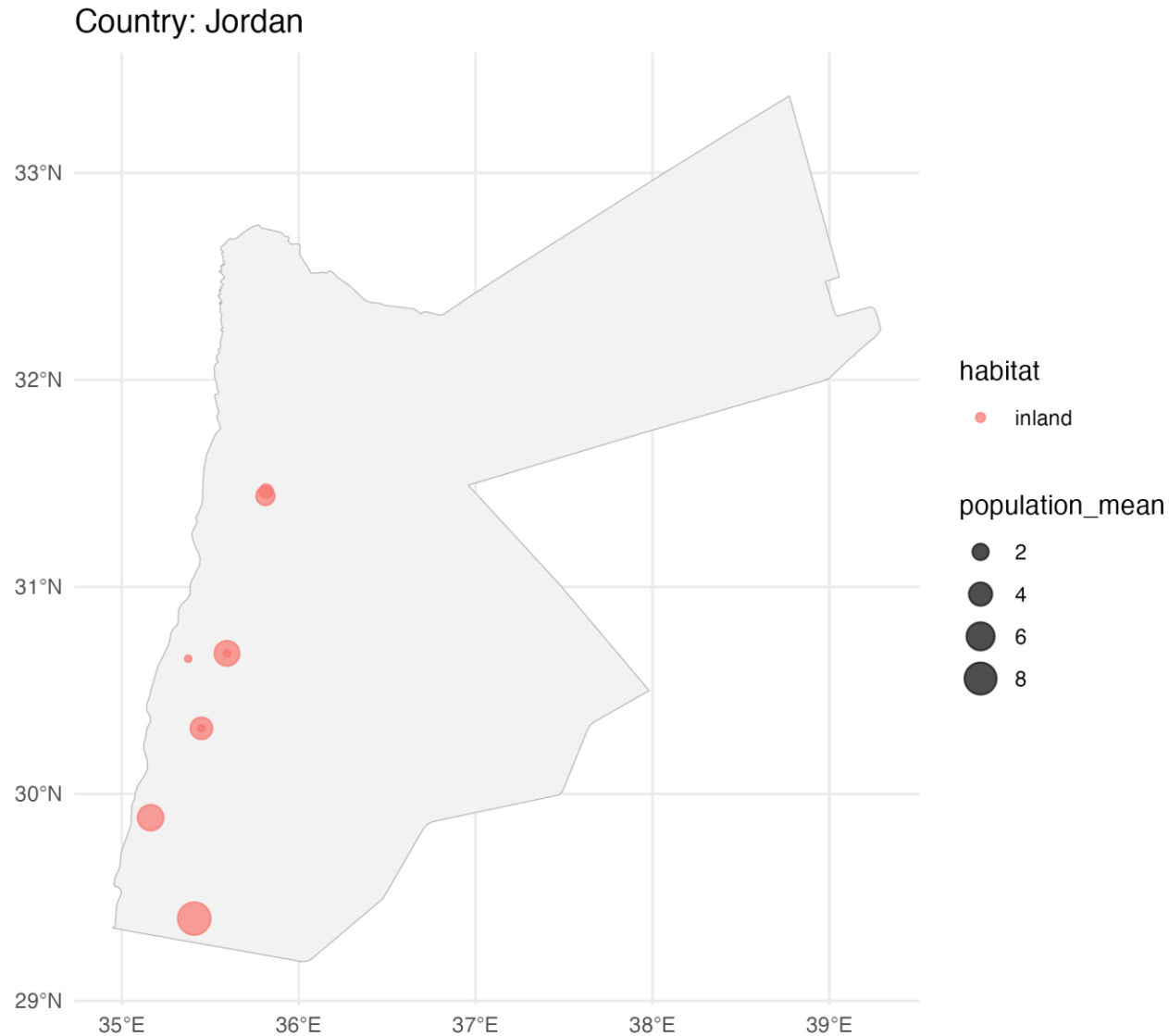
population_mean

- 5
- 10
- 15
- 20

- GL = 0.0 – 1.0 Current
- GL = 1.0 – 3.0 Valid
- GL = >3 Biologically obsolete



Jordan



Global Population
Share: **2.1%**

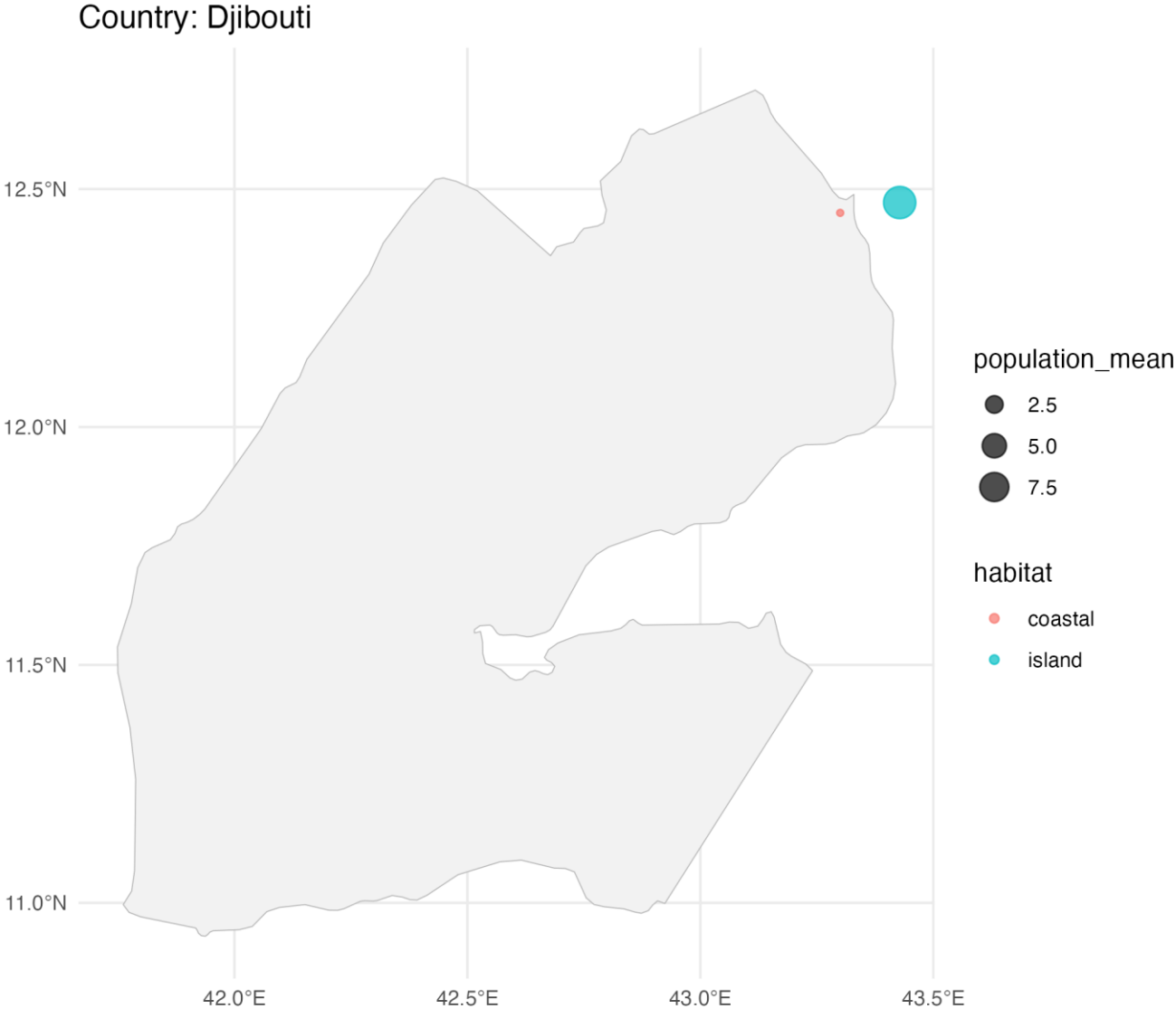
Generational lag:
3.9

Data Status: **Obsolete**

- GL = 0.0 – 1.0 Current
- GL = 1.0 – 3.0 Valid
- GL = >3 Biologically obsolete



Djibouti



Global Population Share: **0.77%**

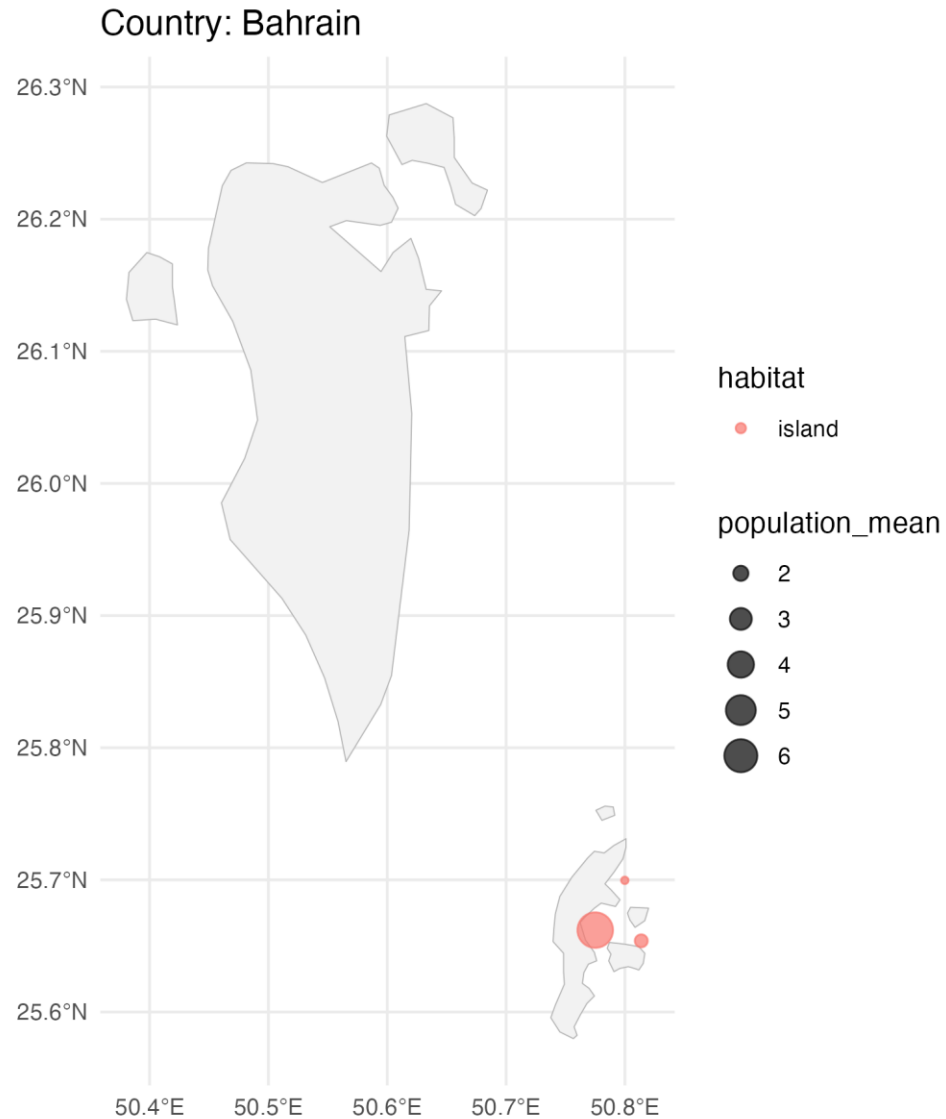
Generational lag: **4.15**

Data Status: **Obsolete**

- GL = 0.0 – 1.0 Current
- GL = 1.0 – 3.0 Valid
- GL = >3 Biologically obsolete



Bahrain



Global Population
Share: **0.76%**

Generational lag:
0.49

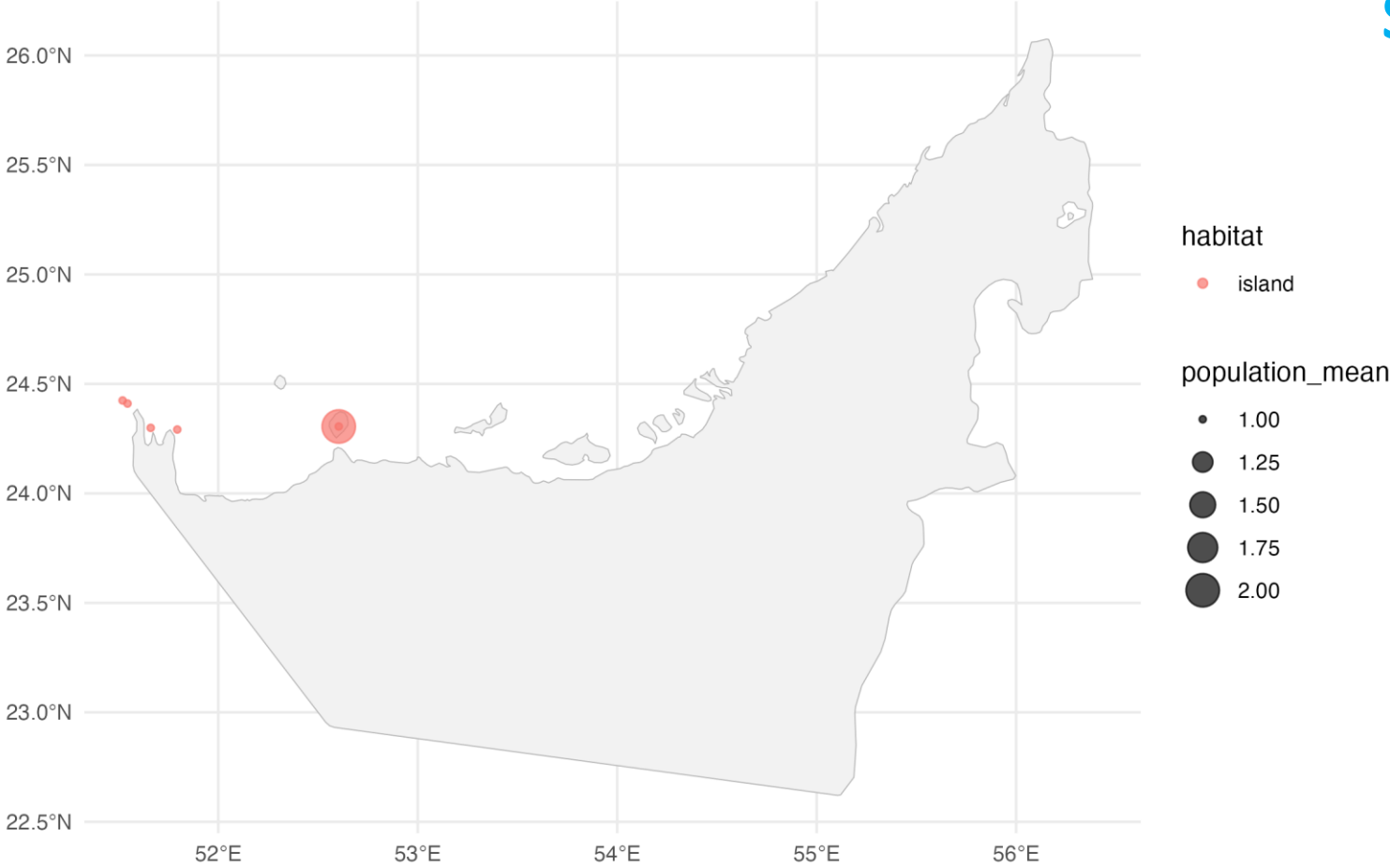
Data Status: **Current**

- GL = 0.0 – 1.0 Current
- GL = 1.0 – 3.0 Valid
- GL = >3 Biologically obsolete



United Arab Emirates

Country: United Arab Emirates



Global Population Share: **0.52%**

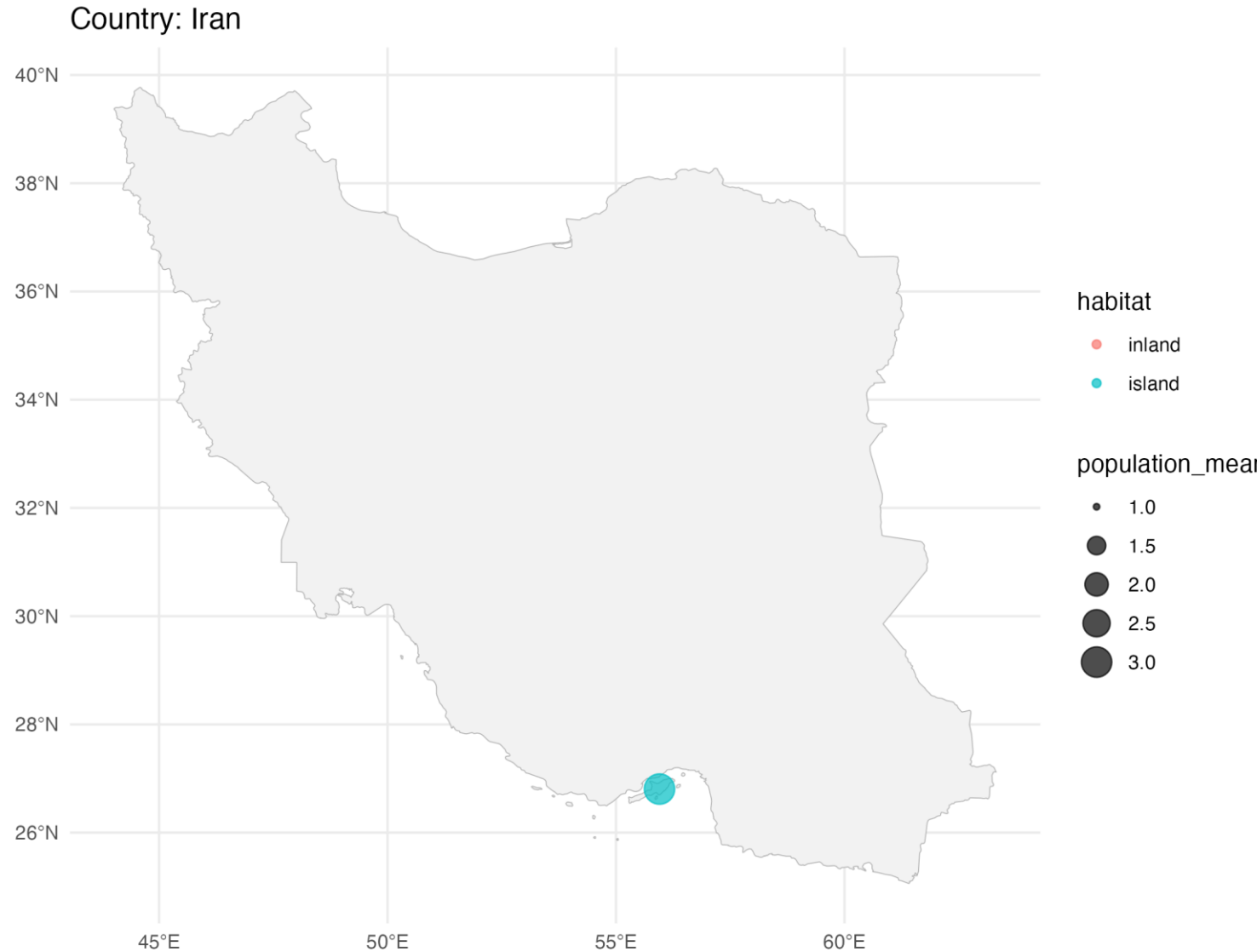
Generational lag: **3.17**

Data Status: **Obsolete**

- GL = 0.0 – 1.0 Current
- GL = 1.0 – 3.0 Valid
- GL = >3 Biologically obsolete



Iran



Global Population
Share: **0.29%**

Generational lag:
3.65

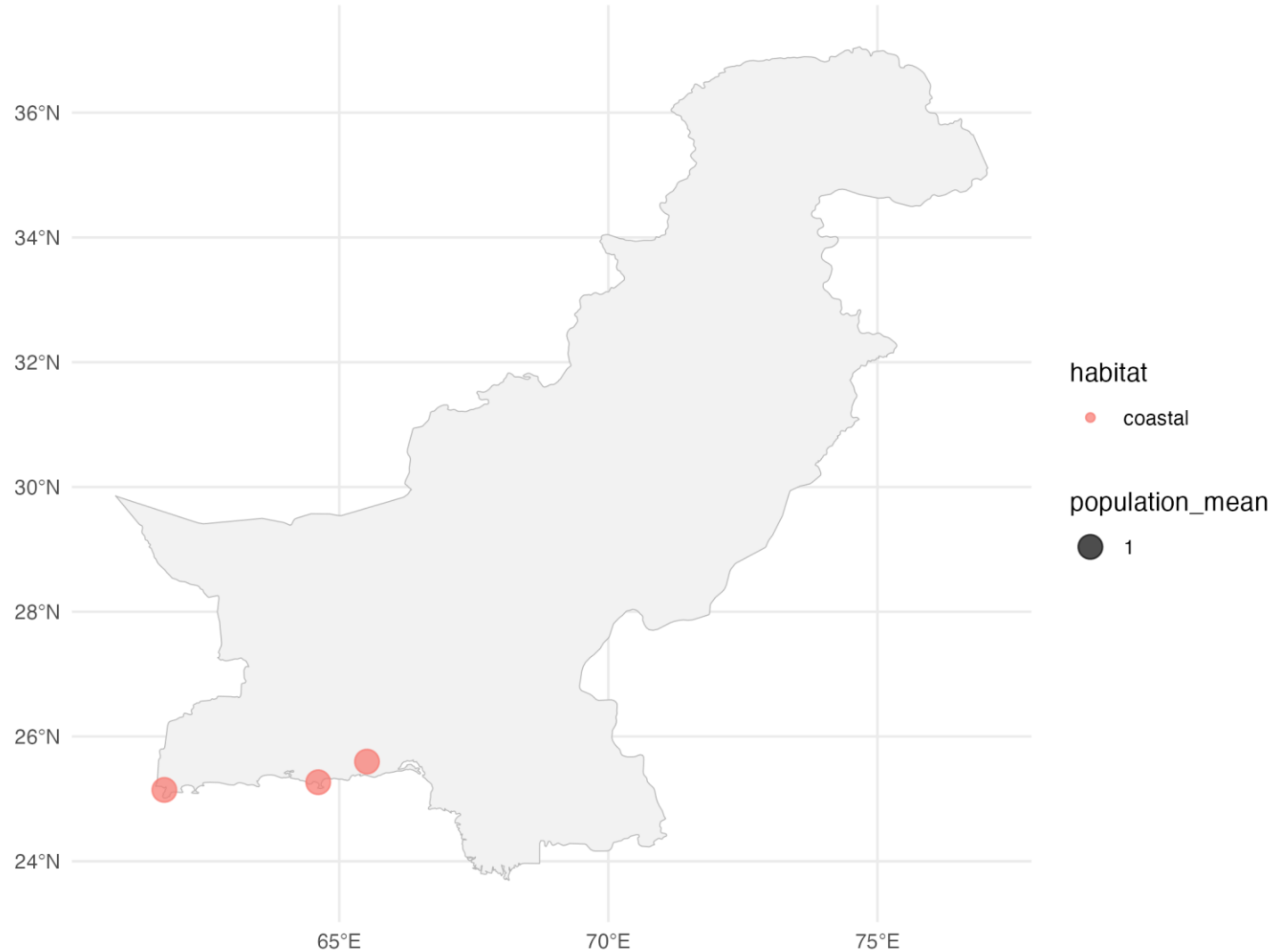
Data Status: **Obsolete**

- GL = 0.0 – 1.0 Current
- GL = 1.0 – 3.0 Valid
- GL = >3 Biologically obsolete



Pakistan

Country: Pakistan



Global Population
Share: **0.22%**

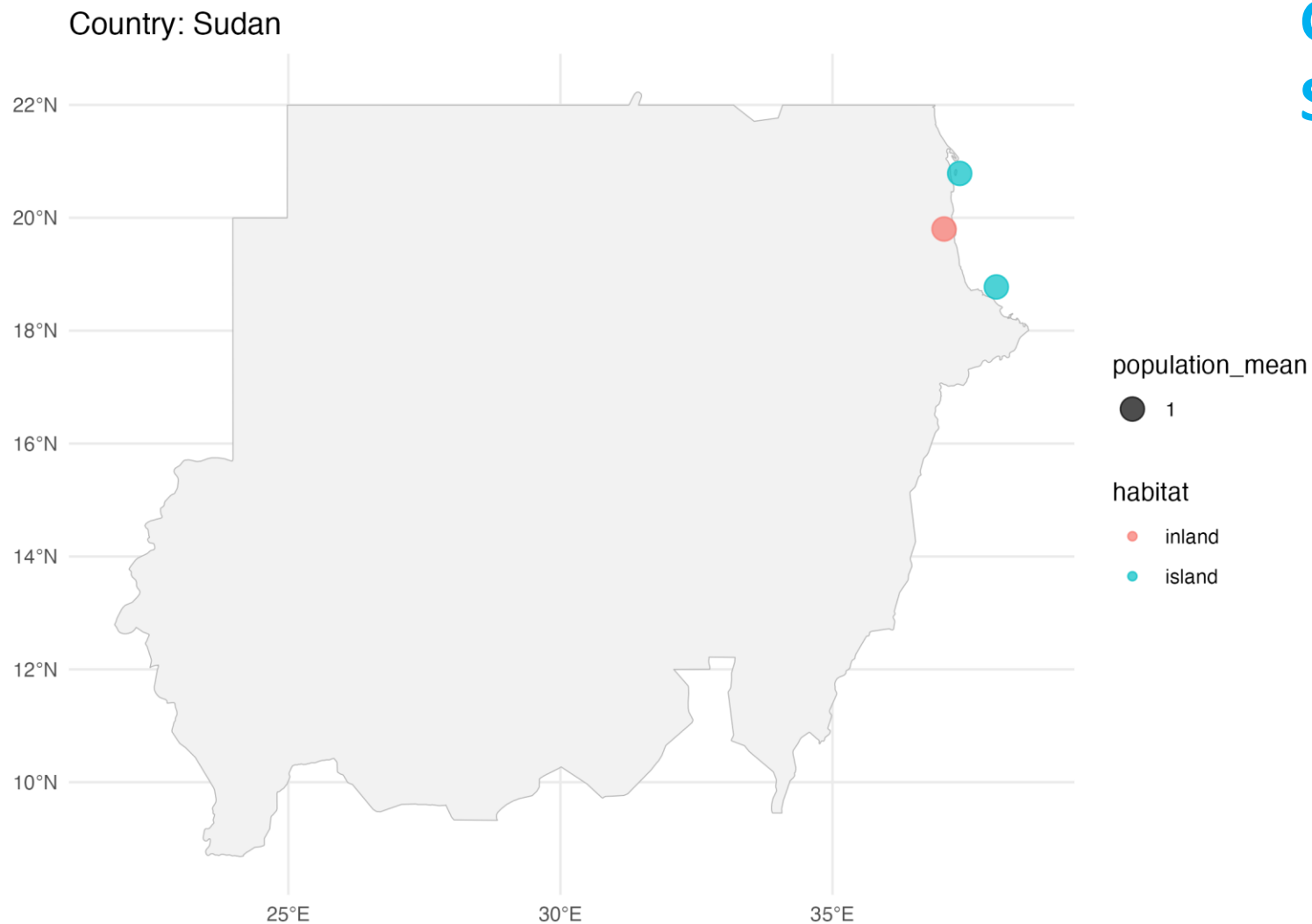
Generational lag:
3.9

Data Status: **Obsolete**

- GL = 0.0 – 1.0 Current
- GL = 1.0 – 3.0 Valid
- GL = >3 Biologically obsolete



Sudan



Global Population
Share: **0.22%**

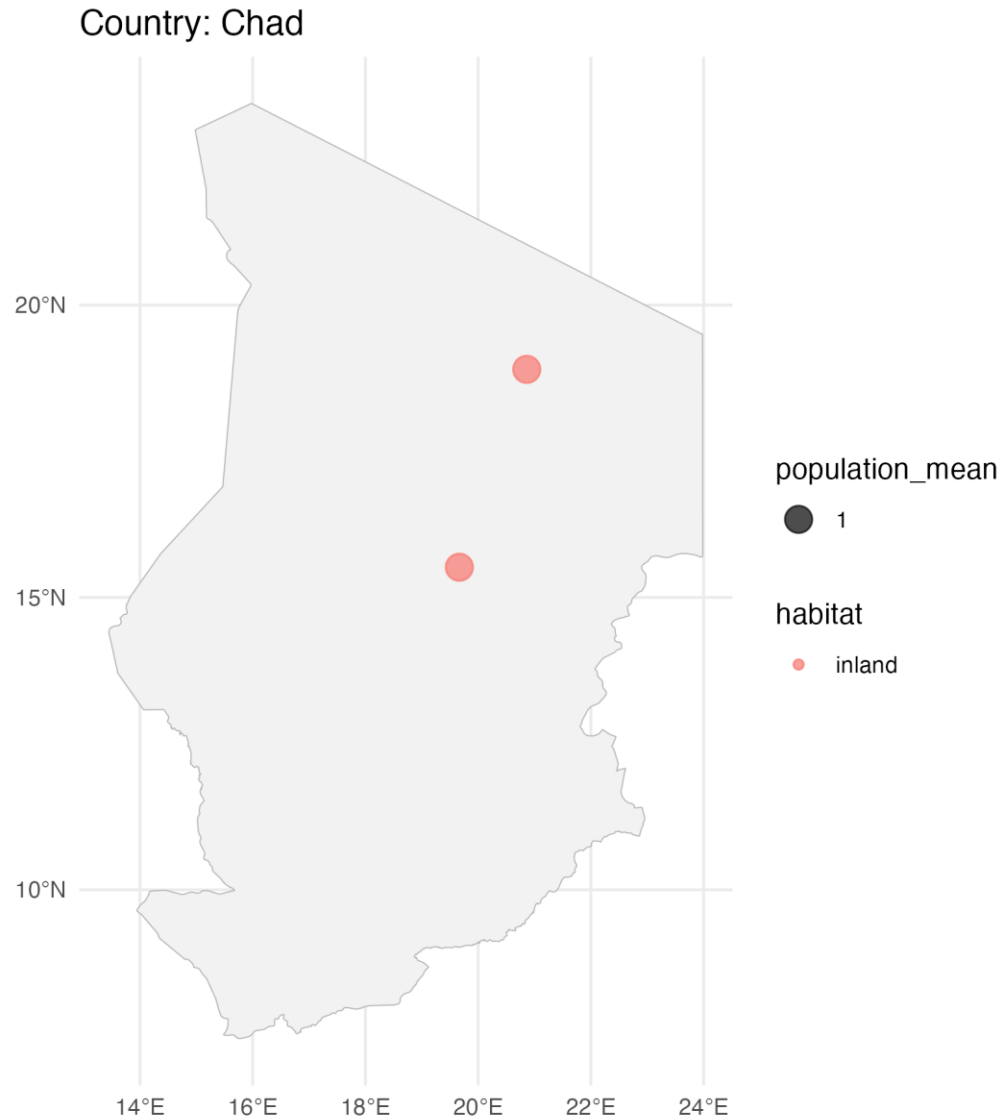
Generational lag:
6.34

Data Status: **Obsolete**

- GL = 0.0 – 1.0 Current
- GL = 1.0 – 3.0 Valid
- GL = >3 Biologically obsolete



Chad



Global Population
Share: **0.15%**

Generational lag:
6.83

Data Status: **Obsolete**

- GL = 0.0 – 1.0 Current
- GL = 1.0 – 3.0 Valid
- GL = >3 Biologically obsolete



Future Actions for Conservation and Data Integration

d) Strategic Prioritisation

- Direct resources towards key populations that are critical for maintaining the species' current global range.
- Target urgent interventions and new surveys in regions currently identified as having obsolete or legacy data.

Thank you for your attention



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