Maldives DSS Technology Review

2024-01-30

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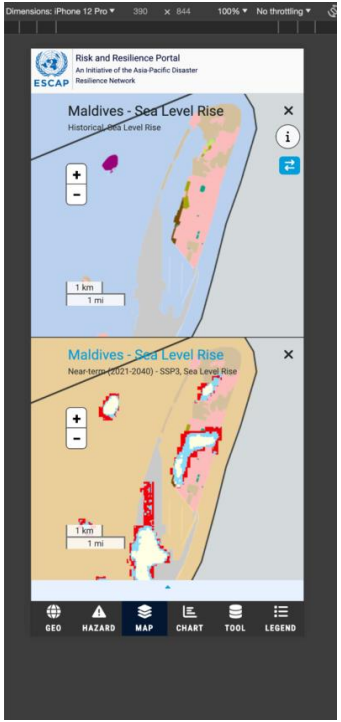
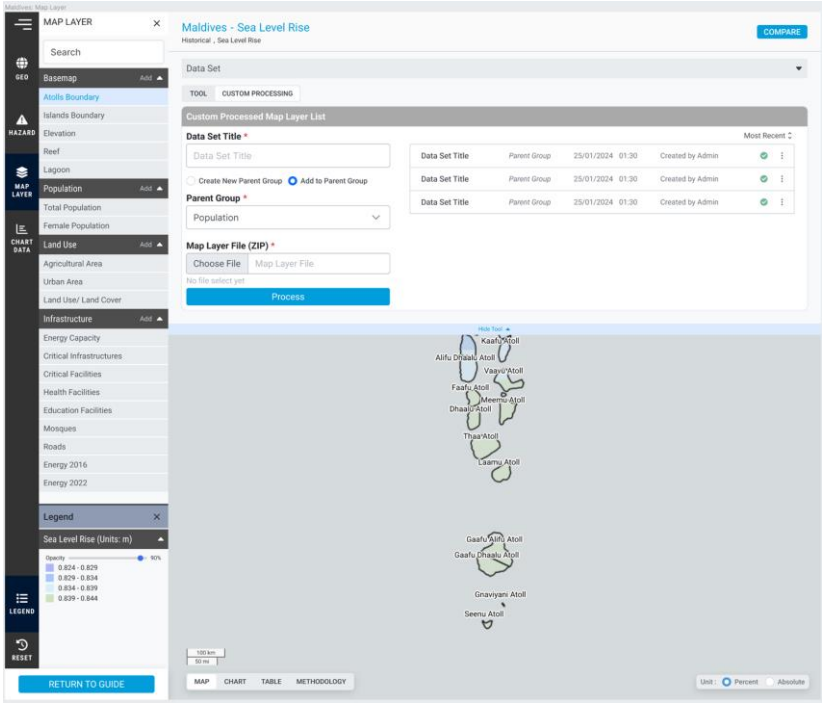
ESCAP
Economic and Social Commission for Asia and the Pacific

Review of new features under development

1. **Mobile version (On production site)**



2. **Local Data import (Under development)**

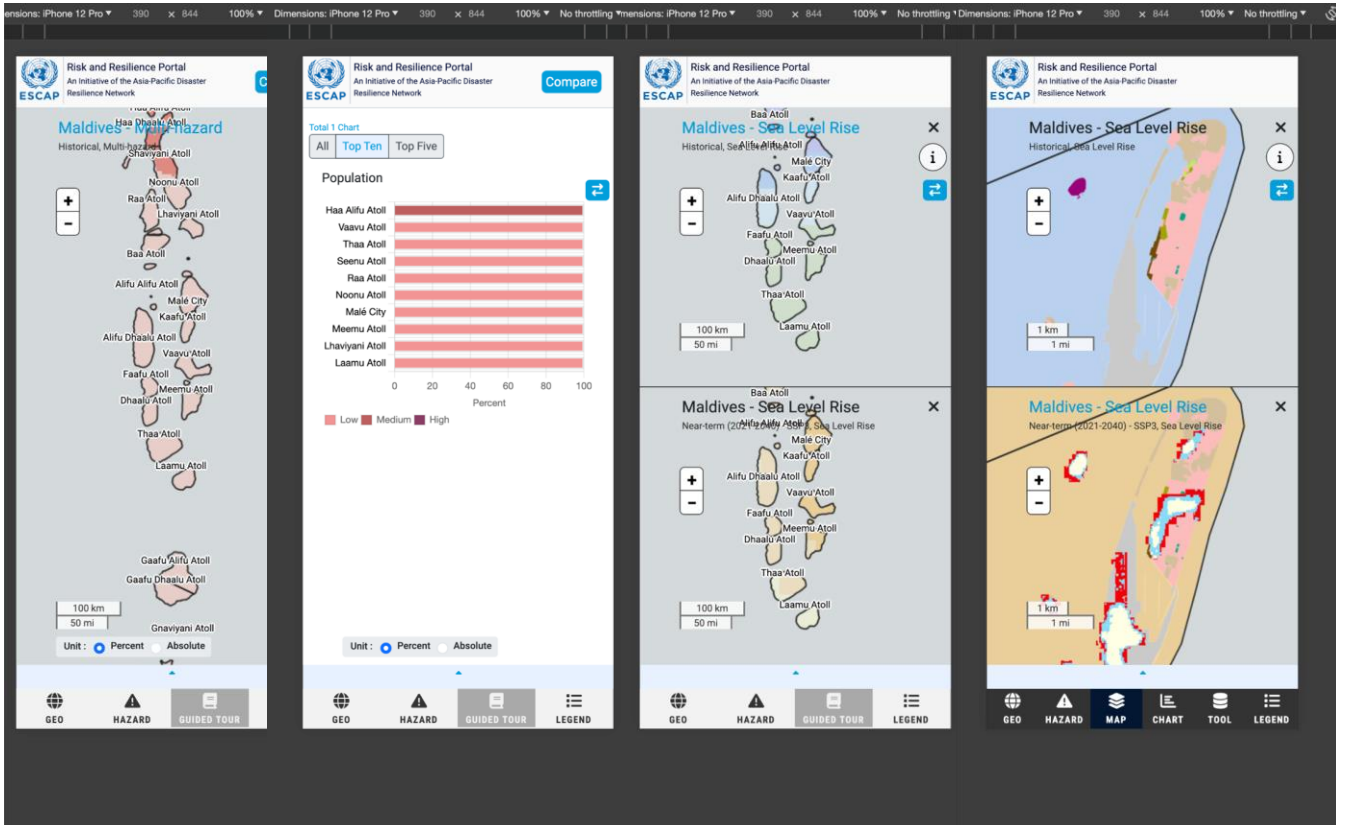


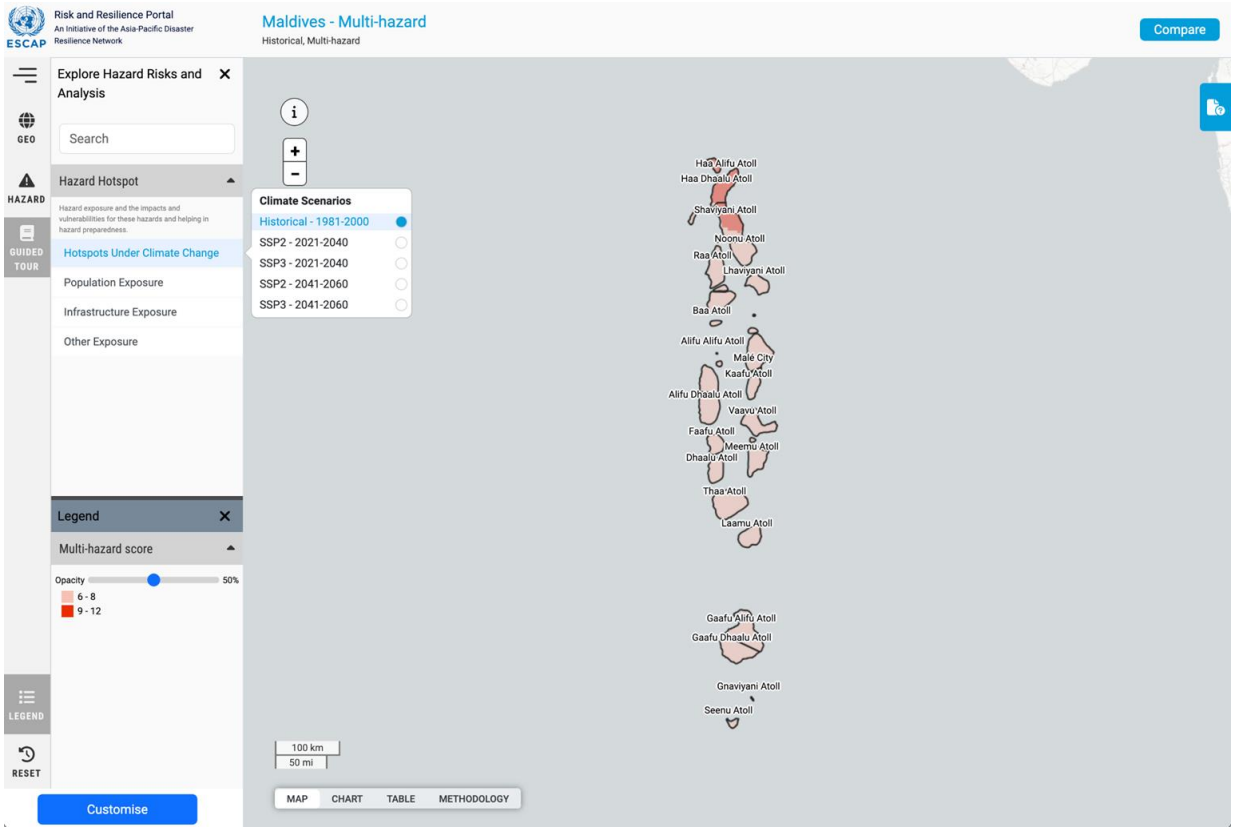
Mobile Version

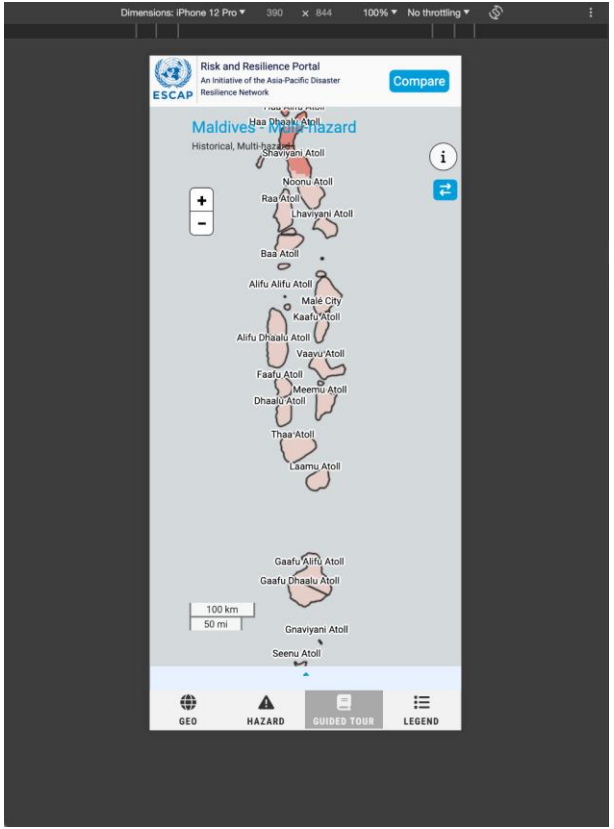
Mobile Version

The full functionality of the site is available for mobile devices

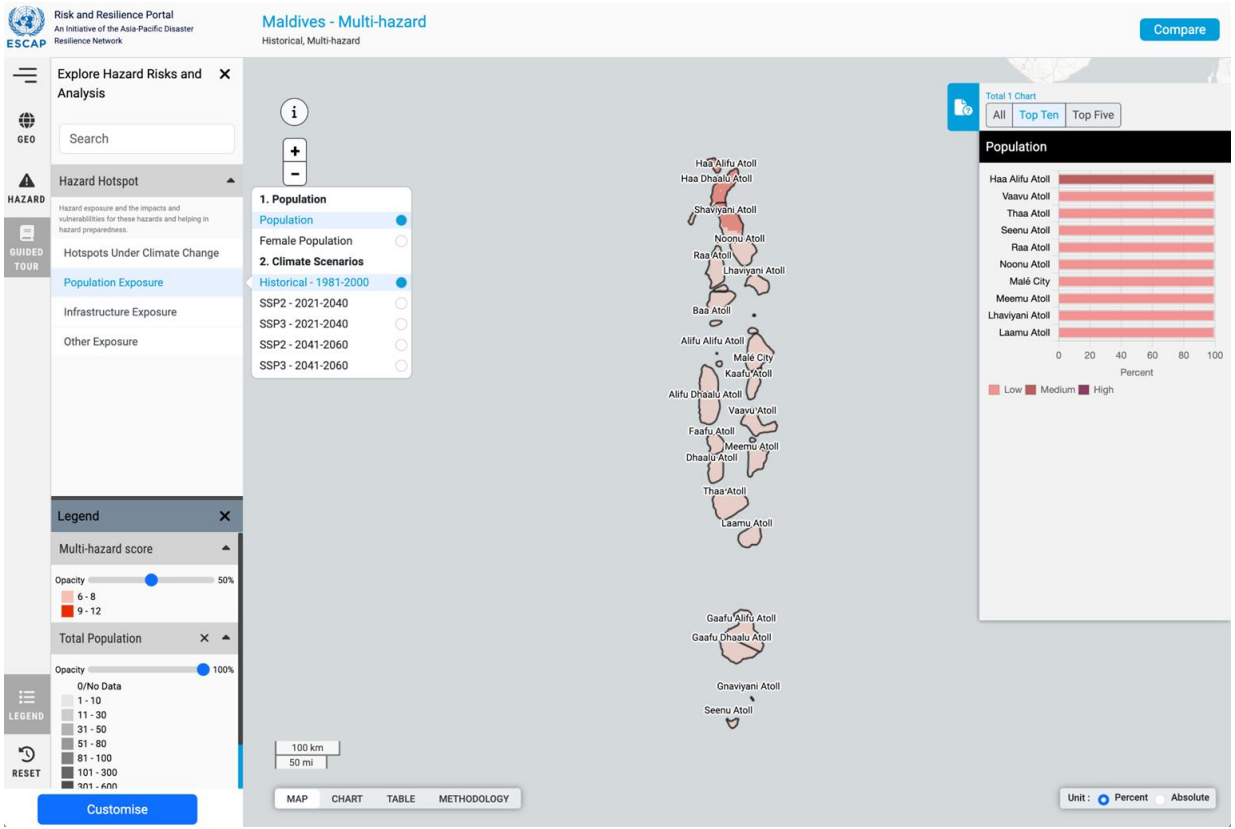
- **Guided Tour**
- **Charts**
- **Comparison**
- **Customization**

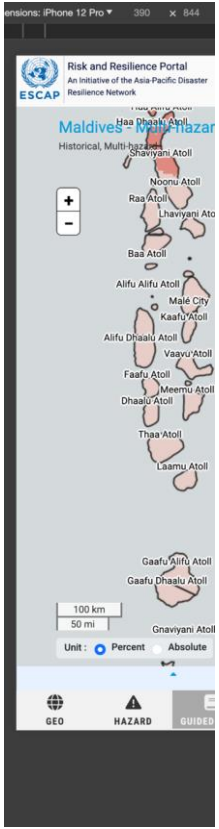


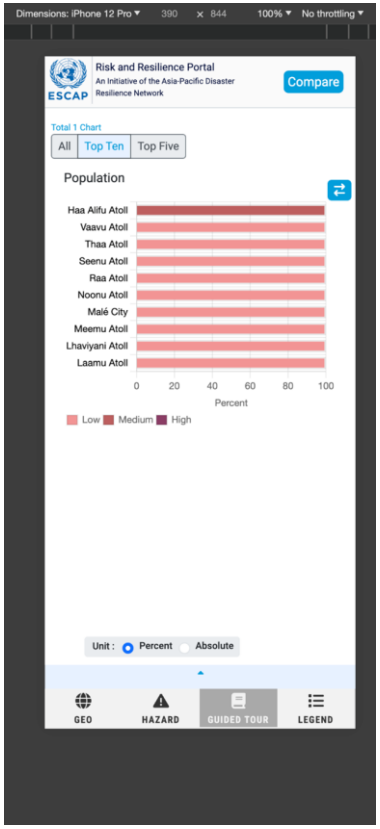




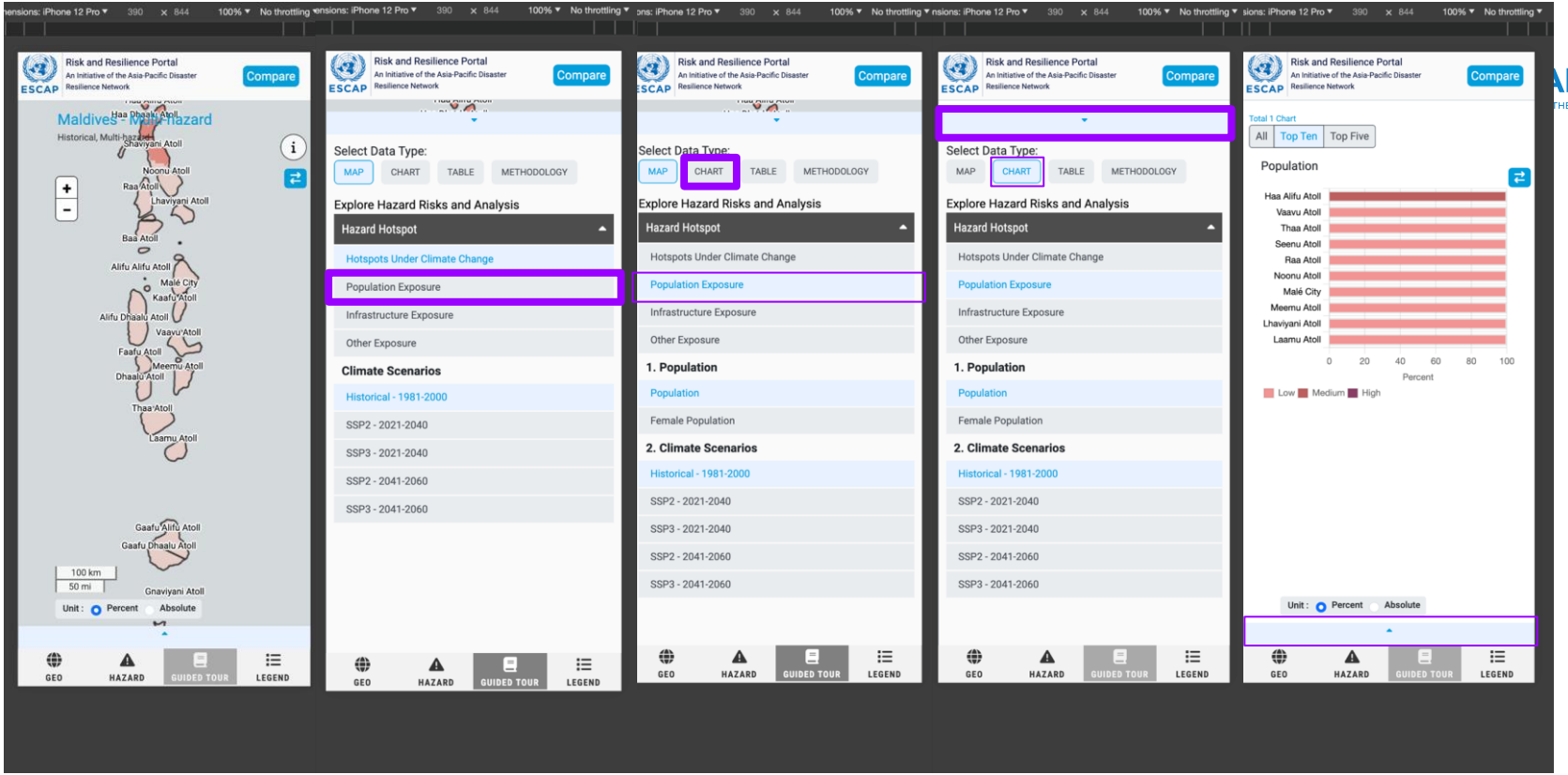
Guided Tour > Hotspots



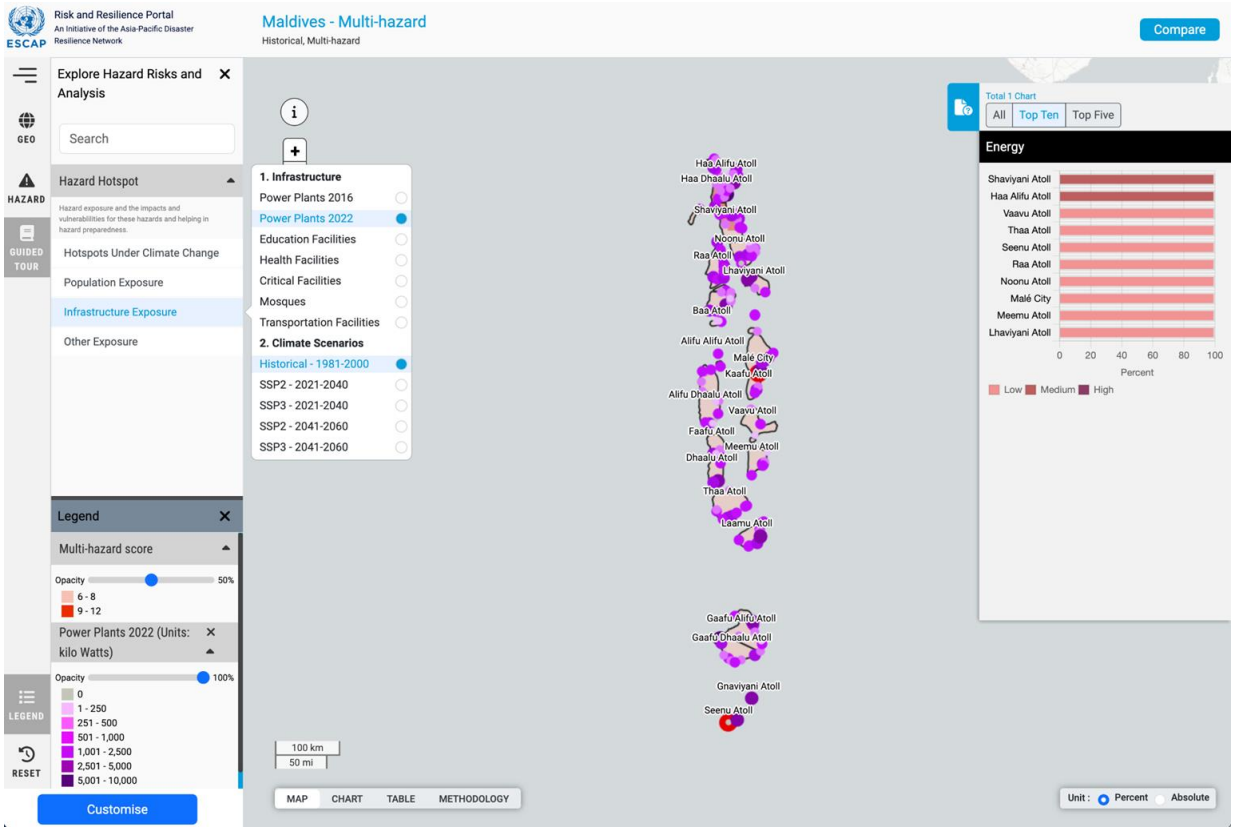


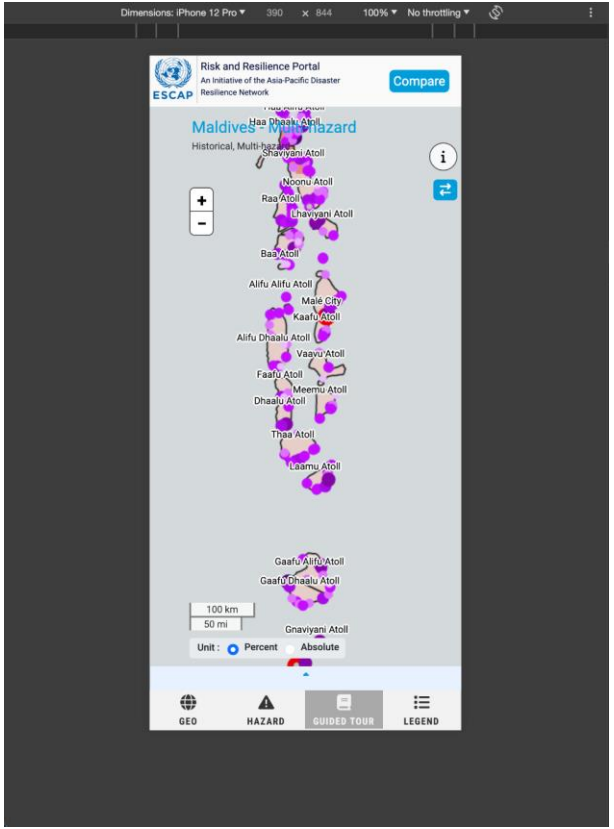


Guided Tour > Population Exposure

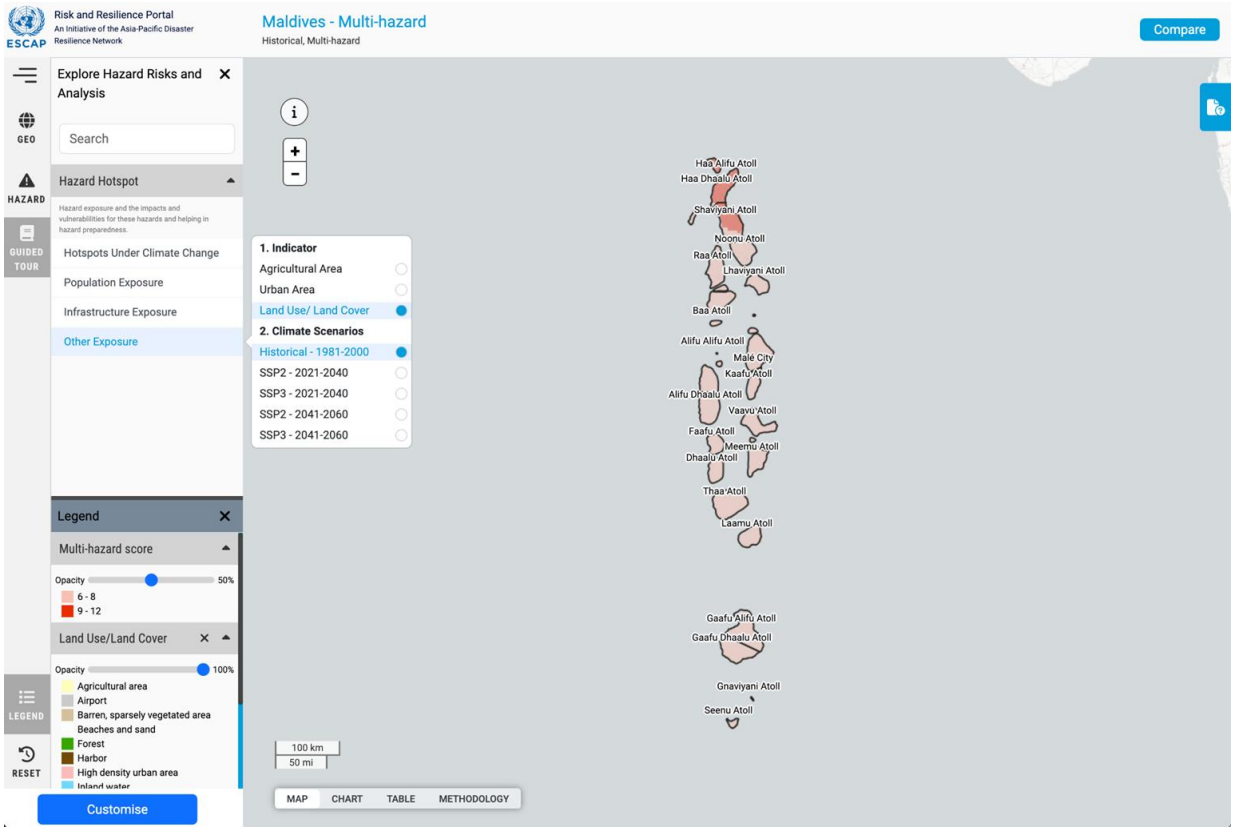


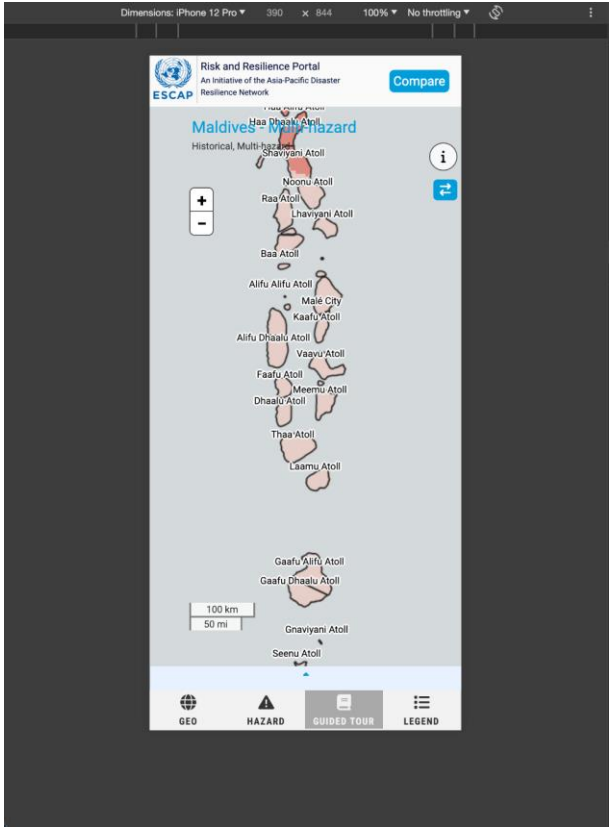
Guided Tour > Population Exposure : Mobile access to Charts



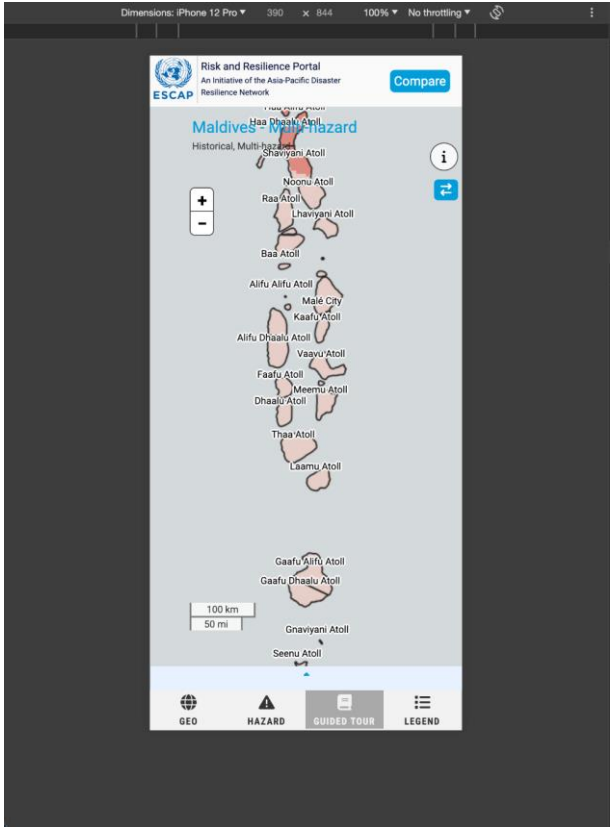


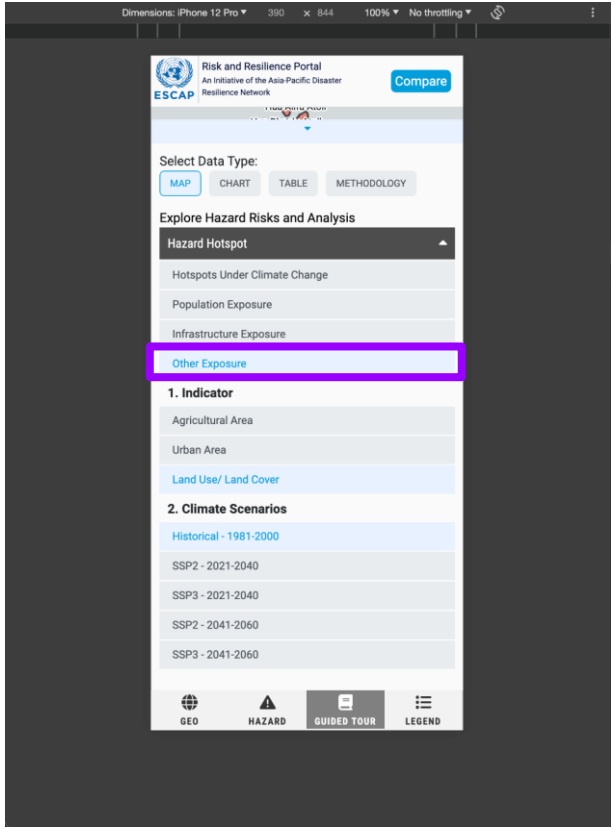
Guided Tour > Infrastructure Exposure

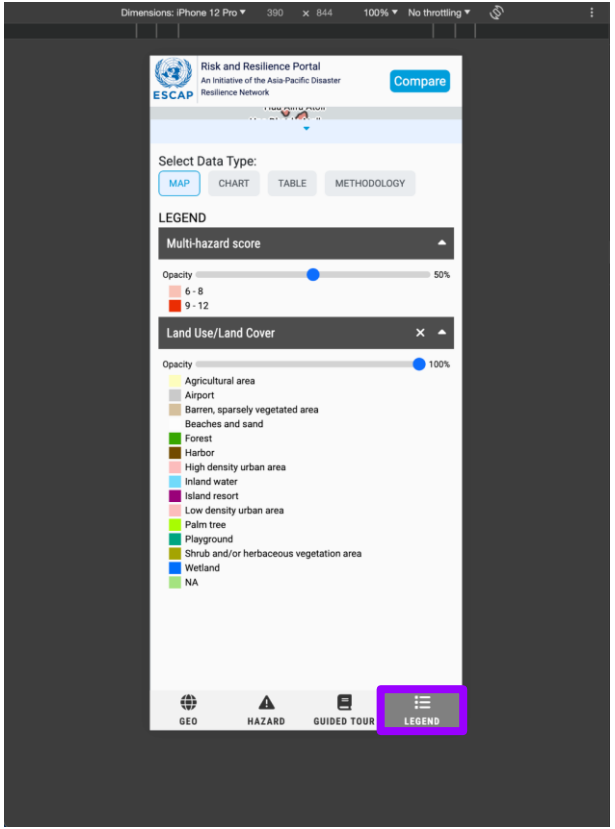




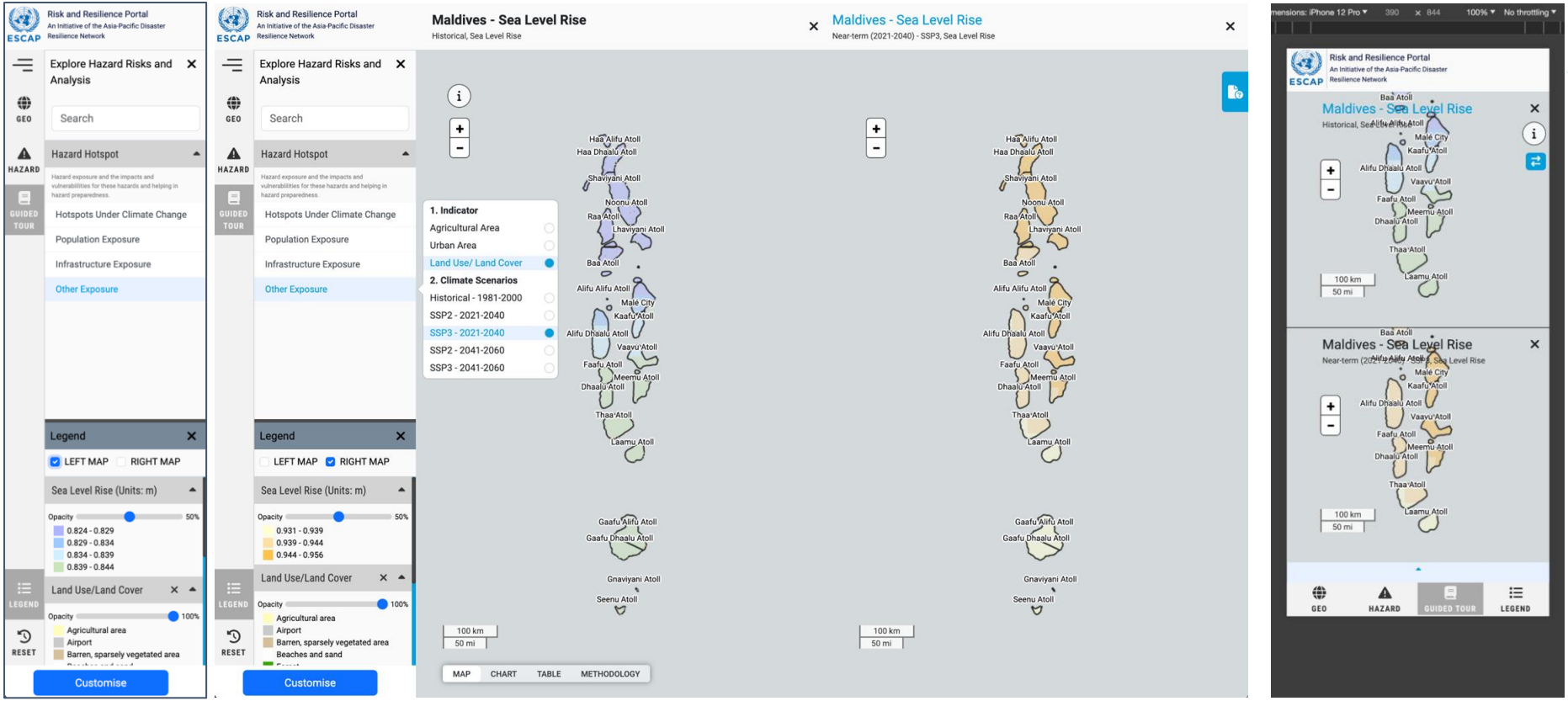
Guided Tour > Other Exposure > Land Use/Land Cover



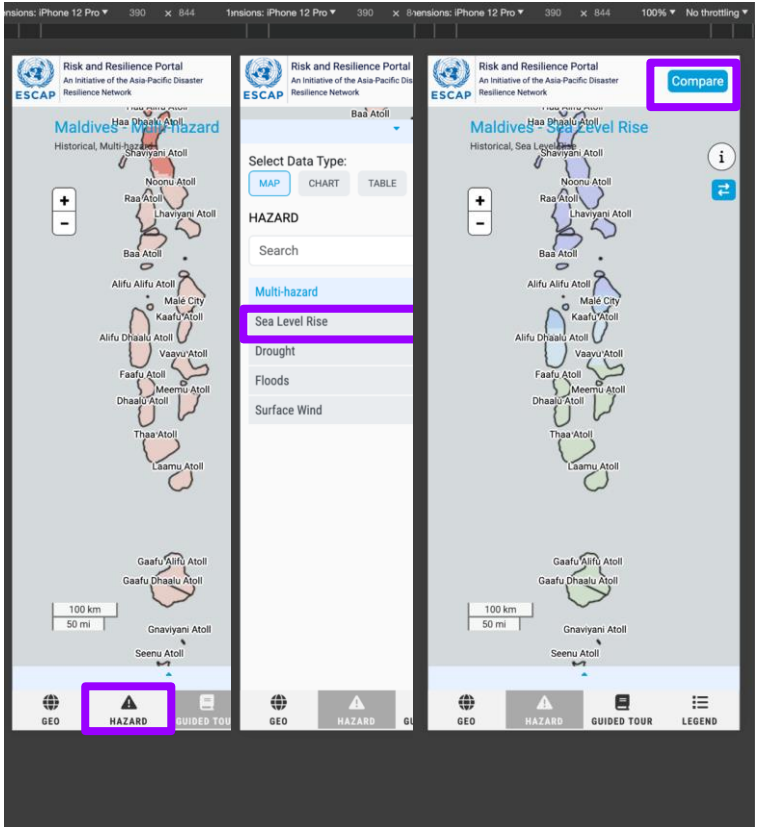


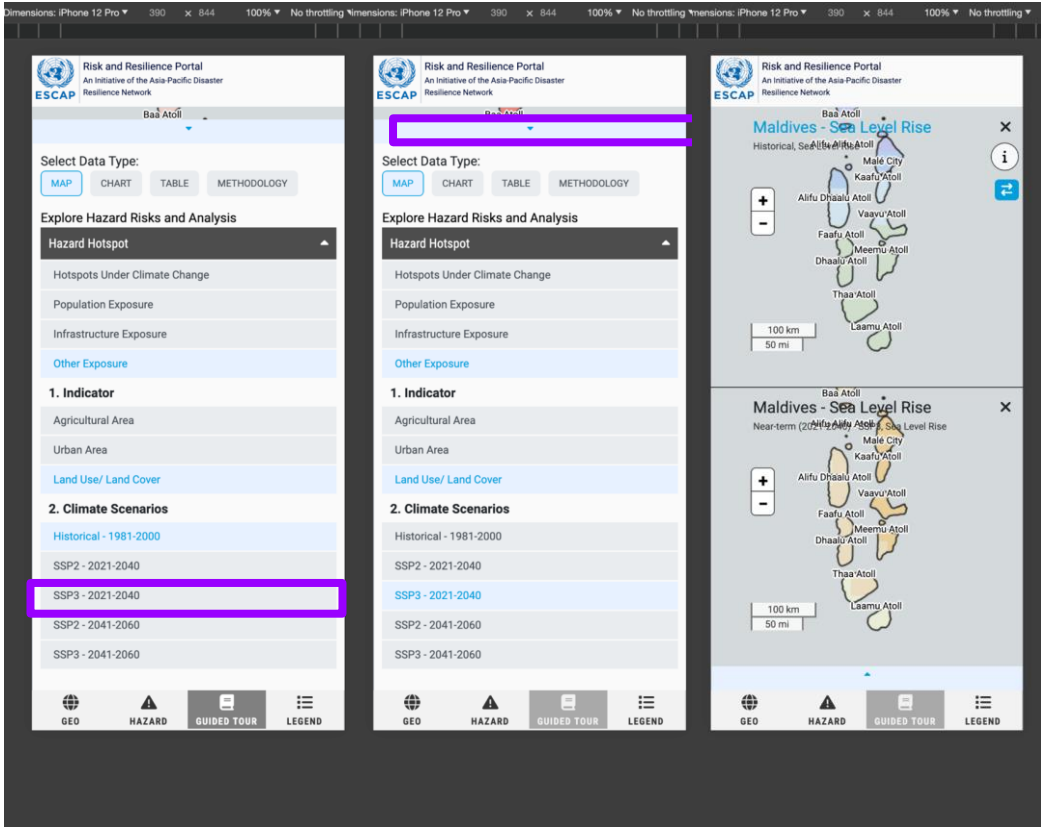


Guided Tour > Other Exposure > Land Use/Land Cover : Mobile access to Legend

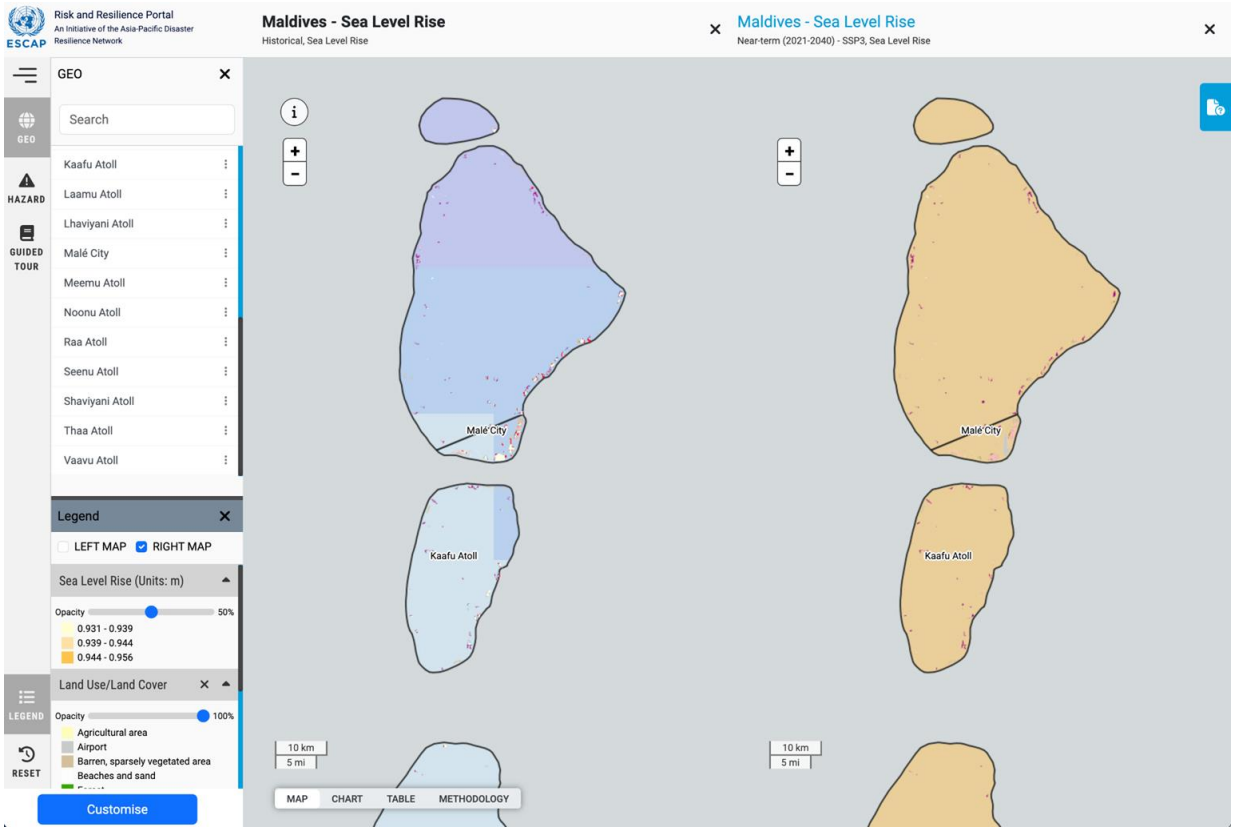

Risk and Resilience Portal
An Initiative of the Asia-Pacific Disaster Resilience Network
ESCAP
Explore Hazard Risks and Analysis
GEO
HAZARD
GUIDED TOUR
LEGEND
RESET
Search
Hazard Hotspot
Hazard exposure and the impacts and vulnerabilities for these hazards and helping in hazard preparedness.
Hotspots Under Climate Change
Population Exposure
Infrastructure Exposure
Other Exposure
Legend
LEFT MAP
RIGHT MAP
Sea Level Rise (Units: m)
Opacity
50%
0.824 - 0.829
0.829 - 0.834
0.834 - 0.839
0.839 - 0.844
Land Use/Land Cover
100%
Agricultural area
Airport
Barren, sparsely vegetated area
Customise
Maldives - Sea Level Rise
Historical, Sea Level Rise
Near-term (2021-2040) - SSP3, Sea Level Rise
1. Indicator
Agricultural Area
Urban Area
Land Use/ Land Cover
2. Climate Scenarios
Historical - 1981-2000
SSP2 - 2021-2040
SSP3 - 2021-2040
SSP2 - 2041-2060
SSP3 - 2041-2060
Haa Alifu Atoll
Haa Dhaalu Atoll
Shaviyani Atoll
Noonu Atoll
Raa Atoll
Lhaviyani Atoll
Baa Atoll
Alifu Alifu Atoll
Malé City
Kaafu Atoll
Alifu Dhaalu Atoll
Vaavu Atoll
Faafu Atoll
Meemu Atoll
Dhaalu Atoll
Thaa Atoll
Laamu Atoll
Gaafu Alifu Atoll
Gaafu Dhaalu Atoll
Gnaviyani Atoll
Seenu Atoll
100 km
50 mi
MAP
CHART
TABLE
METHODOLOGY

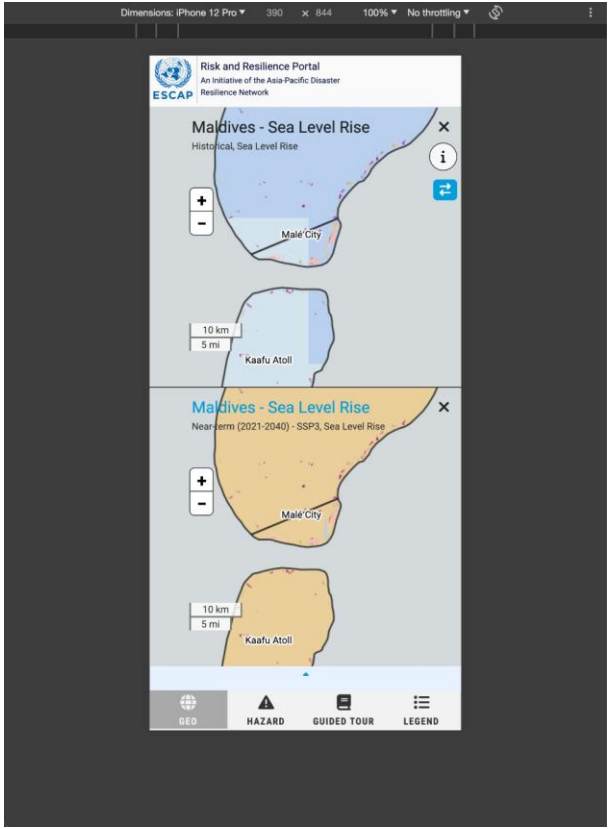
Comparison



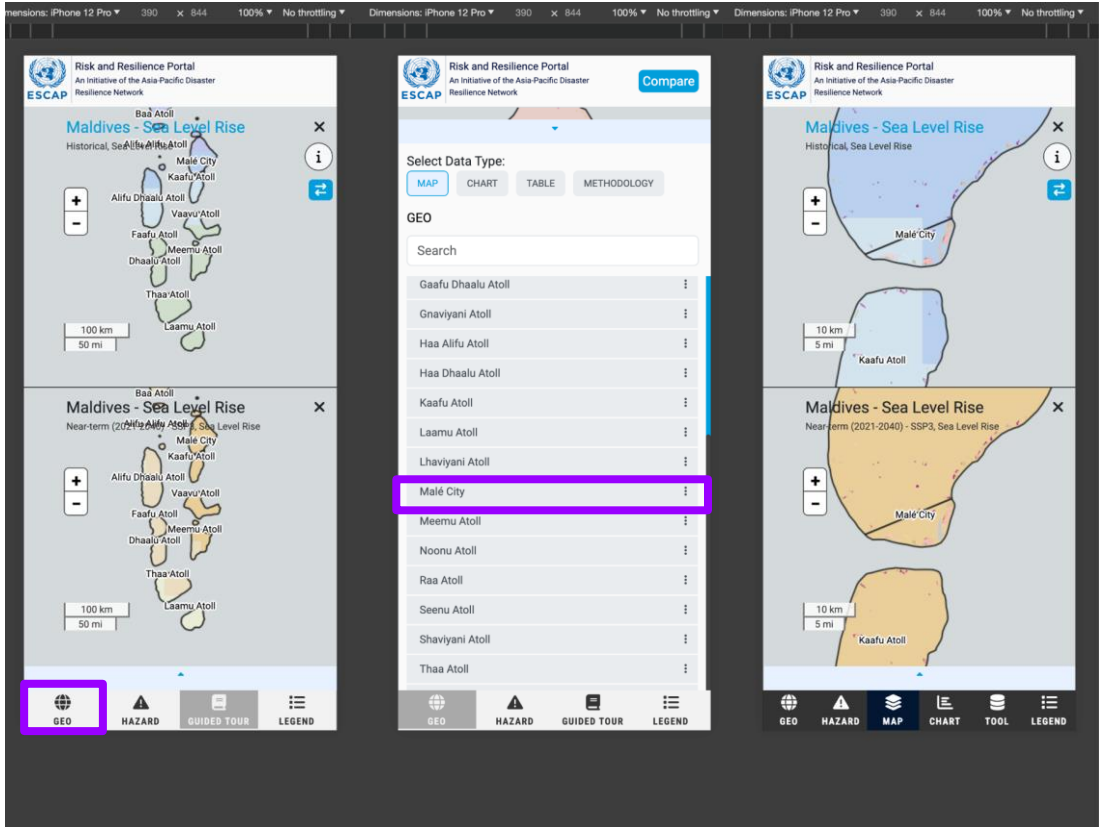


Comparison : Mobile access to Hazard and Compare

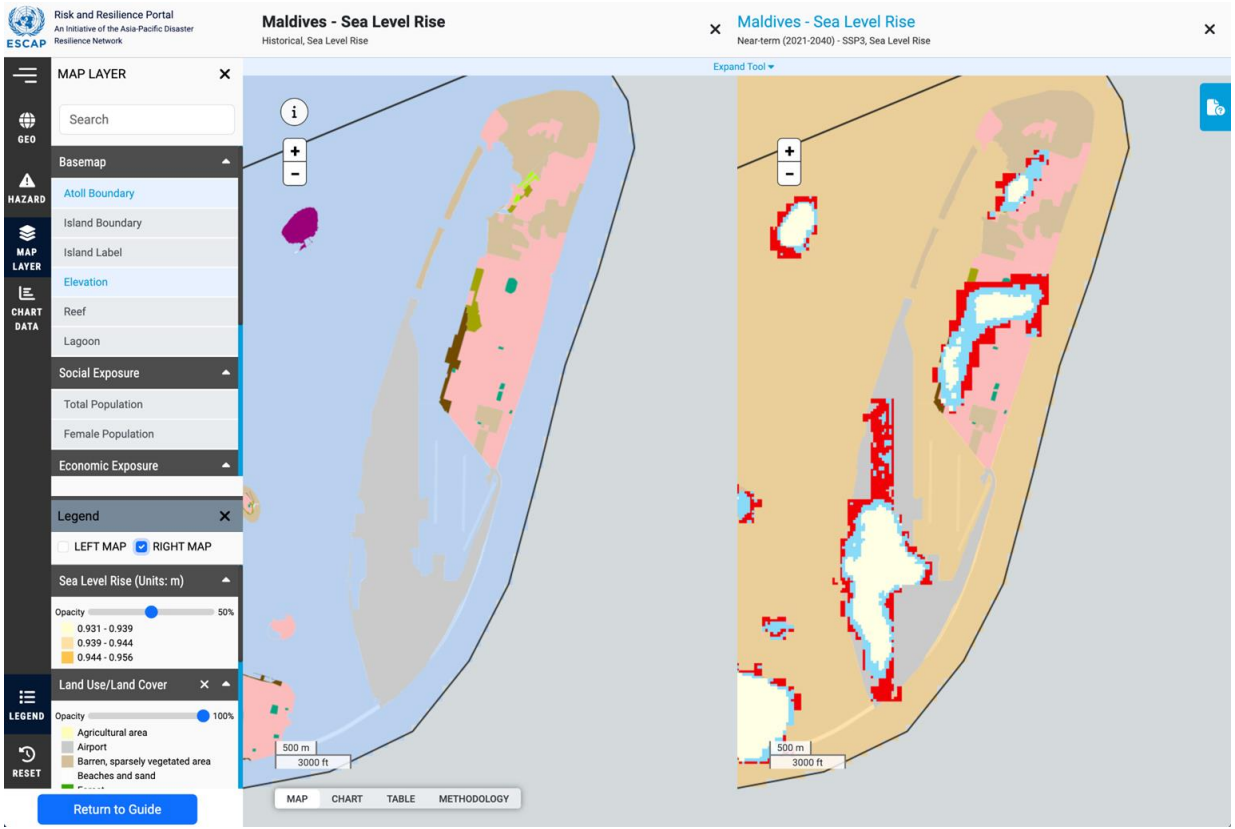


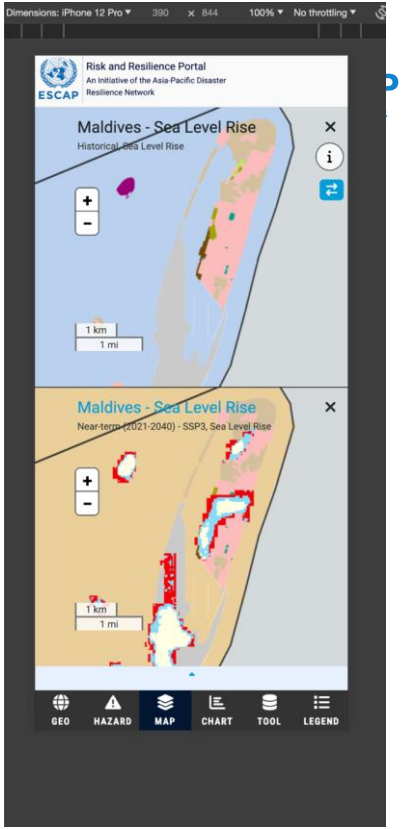


GEO > Malé City

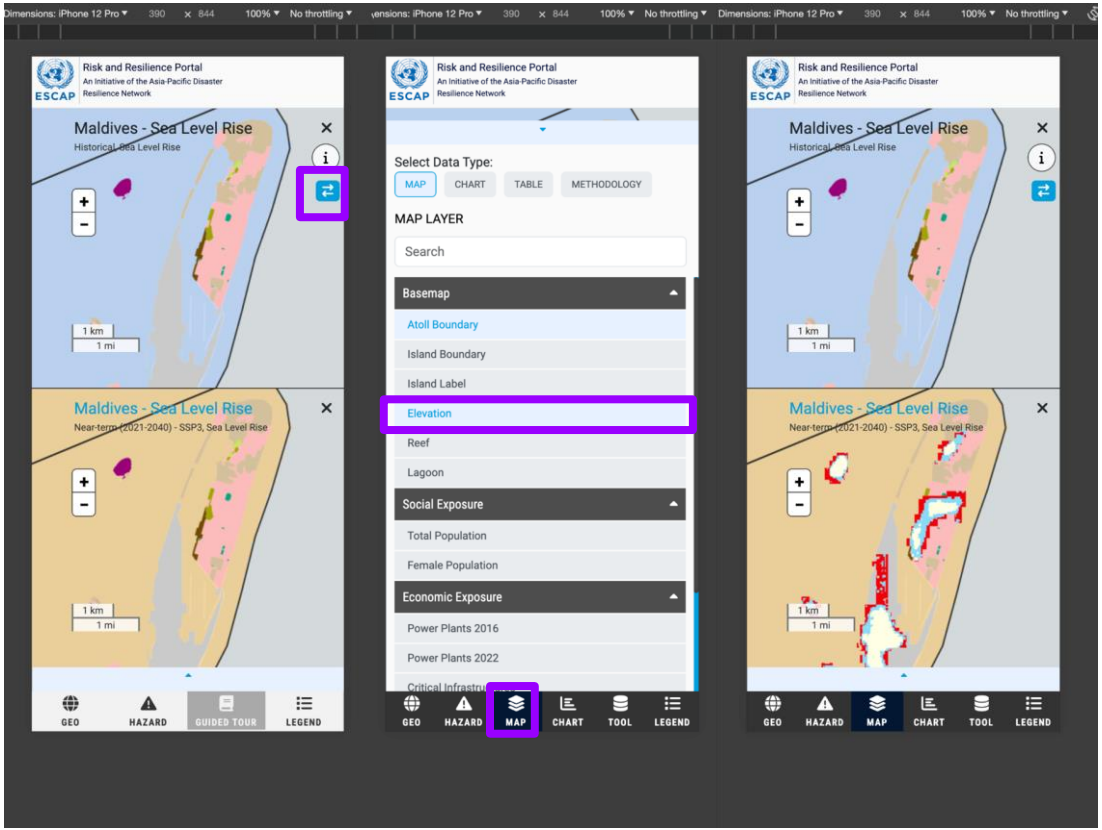


GEO > Malé City : Mobile access to locations





Customize > Elevation



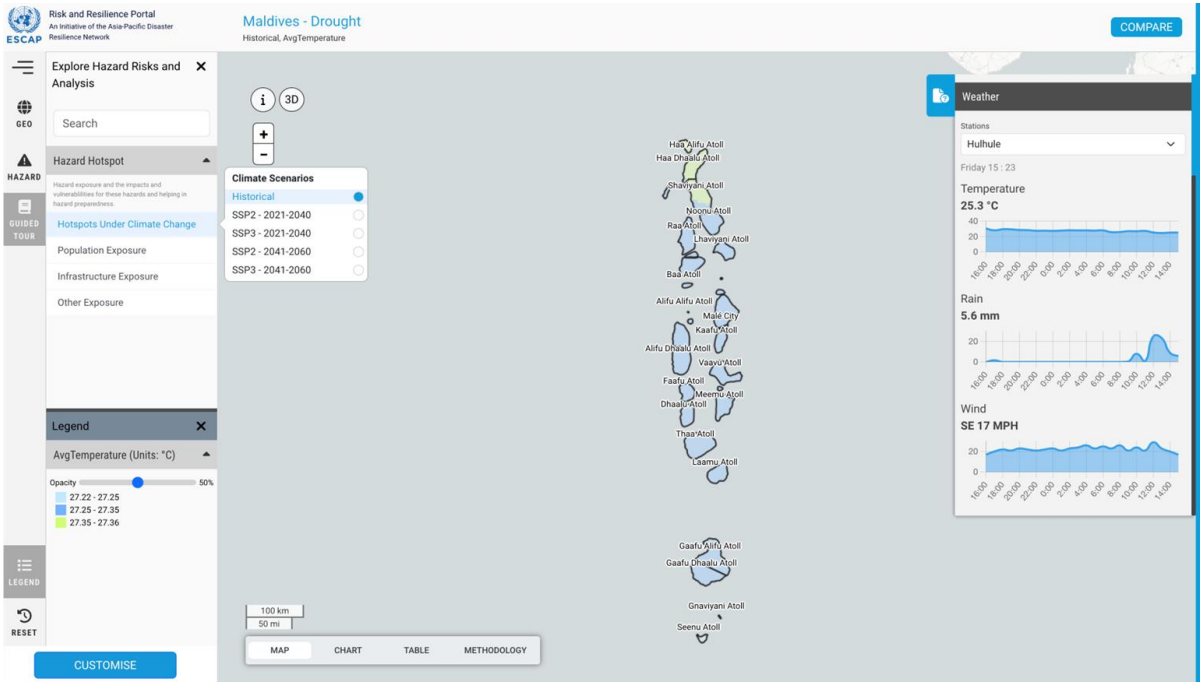
Customize > Elevation

Local Data Import

Local Meteo Data

Imported by API from
https://www.meteorology.gov.mv/

- **Under development**
- **Available for some stations**

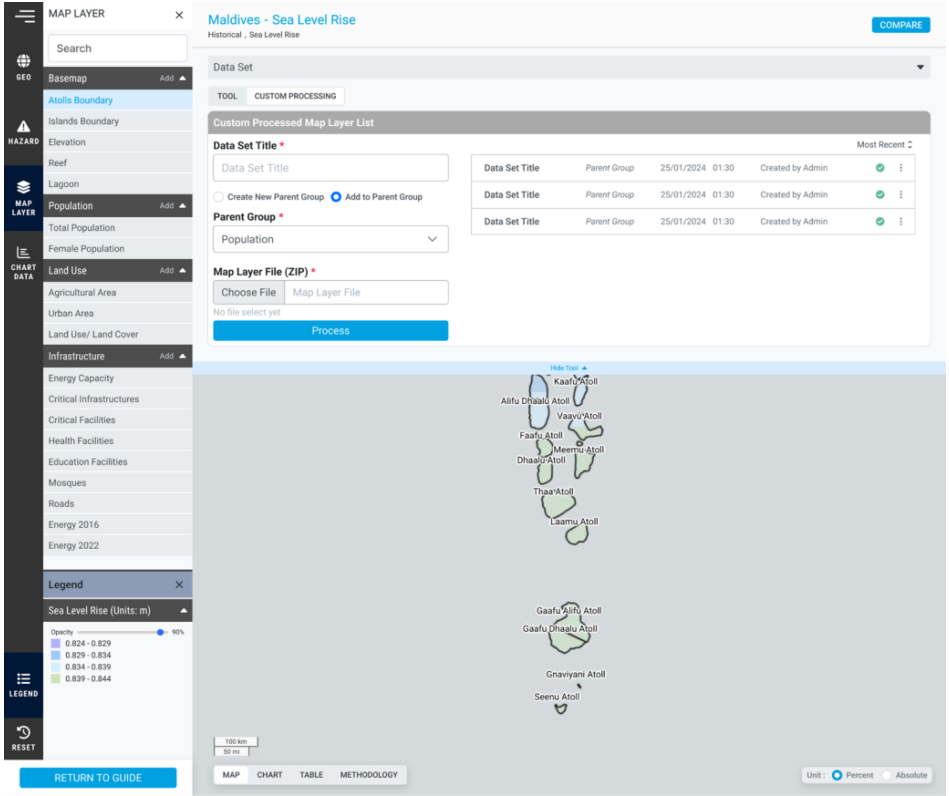


Local Data Import

Functionality will be available for partner organizations

- **Login required**
- **Functionality available through frontend**
- **Able to import and automatically process data provided in standard format**
- **Data only visible to logged in users**

Example: Add new population layer

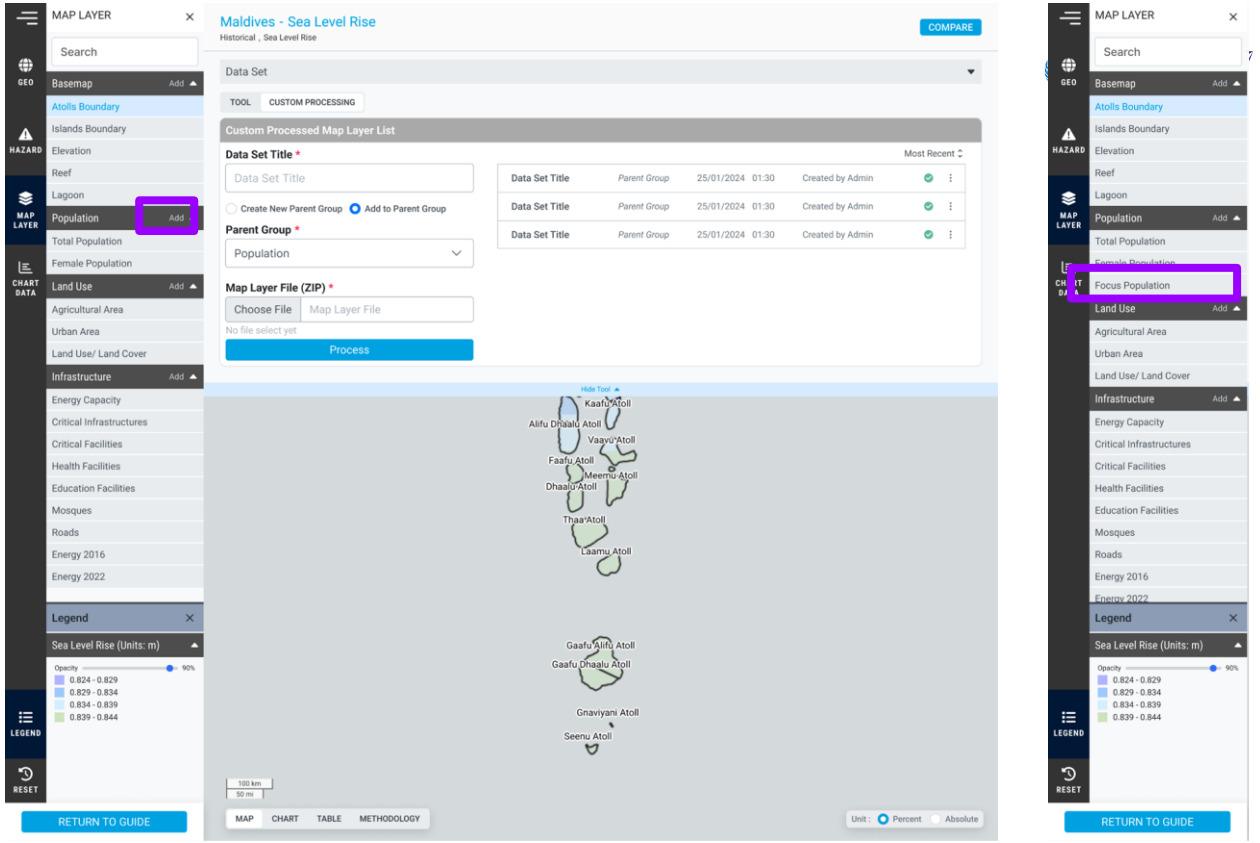


Local Data Import

Example: Add new population layer

- **Add via “Custom Processing”**
  - or via Map Layer group
- **Enter details**
- **Select file**
- **Process**

Able to publish / unpublish



THANK YOU

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