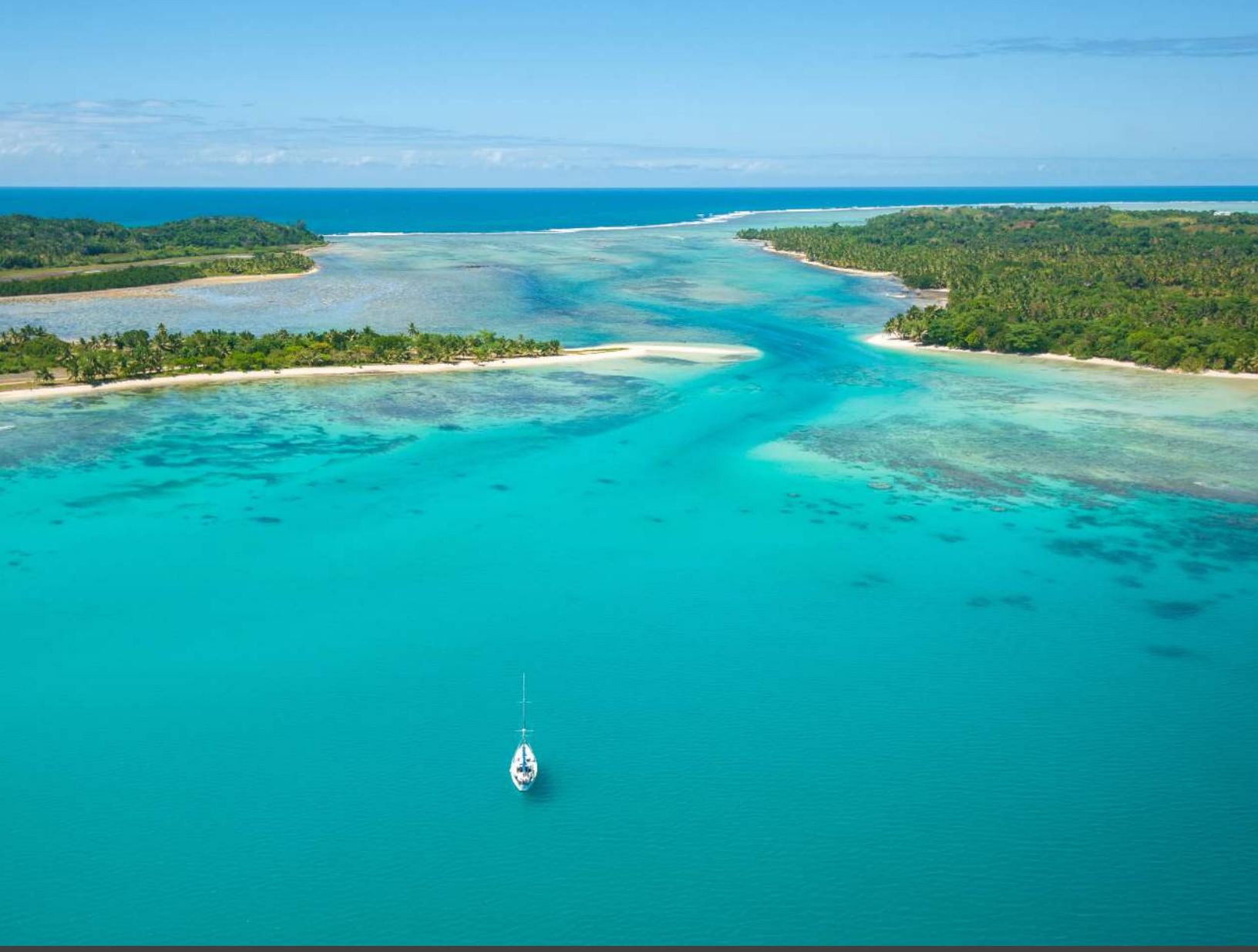


MADAGASCAR

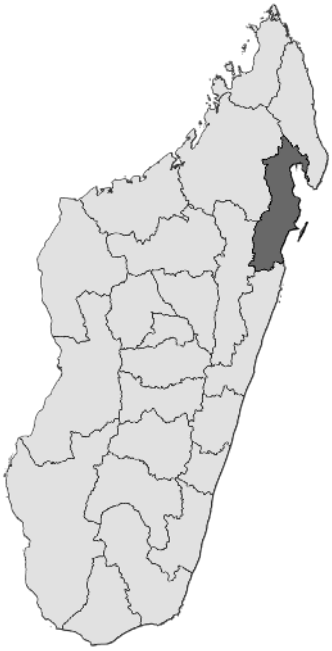
ANALANJIROFO

NDPBA REGION PROFILE

PDC | GLOBAL

MADAGASCAR

REGION: ANALANJIROFO



RISK AND VULNERABILITY

COMPONENT SCORES

MULTI-HAZARD RISK (MHR) -
Moderate
Score: 0.526 • Rank: 10/23

RESILIENCE (R) -
Very High
Score: 0.555 • Rank: 3/23

MULTI-HAZARD EXPOSURE (MHE) -
Very High
Score: 0.687 • Rank: 2/23

VULNERABILITY (V) -
Very Low
Score: 0.346 • Rank: 19/23

COPING CAPACITY (CC) -
Very High
Score: 0.455 • Rank: 4/23

REGION HIGHLIGHTS

Population (2018 Census)
1,150,089

Extreme Poverty Rate
33.2%

Household Access to Drinking Water
36.1%

Literacy Rate
81.3%

Household Access to Electricity
36.1%

MULTI-HAZARD EXPOSURE (MHE)

RANK: 2 / 23 REGIONS
SCORE: 0.687

MHE
0.687

Raw MHE
0.449

Relative MHE
0.926

ESTIMATED EXPOSURE TO EACH HAZARD:

Sea Level Rise
<1% (294)
Buildings Exposed: **<1%**
Critical Infrastructure Exposed: **4%**

Coastal Flooding
<1% (927)
Buildings Exposed: **1%**
Critical Infrastructure Exposed: **5%**

Riverine Flooding
11% (87,500)
Buildings Exposed: **26%**
Critical Infrastructure Exposed: **42%**

Tsunami
<1% (120)
Buildings Exposed: **<1%**
Critical Infrastructure Exposed: **5%**

Tropical Cyclone Wind
100% (819,000)
Buildings Exposed: **100%**
Critical Infrastructure Exposed: **100%**

Earthquake
90% (739,000)
Buildings Exposed: **55%**
Critical Infrastructure Exposed: **44%**

Landslide
72% (586,000)
Buildings Exposed: **52%**
Critical Infrastructure Exposed: **22%**

Extreme Heat
<1% (769)
Buildings Exposed: **<1%**
Critical Infrastructure Exposed: **<1%**

Wildfire
17% (143,000)
Buildings Exposed: **4%**
Critical Infrastructure Exposed: **2%**

Malaria
100% (817,000)
Buildings Exposed: **99%**
Critical Infrastructure Exposed: **100%**

Locust
Cropland Exposed: **0%**

NOTE: Population exposure values are estimated using PDC's All-hazard Impact Model (AIM). Values may differ from Census population.

VULNERABILITY (V)

RANK: 19 / 23 REGIONS ASSESSED
SCORE: 0.346

Below is a summary of the regional Vulnerability Assessment within Analanjirofo. Detailed region-level results, including all indicators used to assess vulnerability, are available in DisasterAWARE.

Information Access Vulnerability

0 — 1

SCORE: 0.489 **RANK: 17/23** REGIONS ASSESSED

Clean Water Access Vulnerability

0 — 1

SCORE: 0.614 **RANK: 16/23** REGIONS ASSESSED

Economic Contraints

0 — 1

SCORE: 0.274 **RANK: 14/23** REGIONS ASSESSED

Gender Disparity

0 — 1

SCORE: 0.090 **RANK: 22/23** REGIONS ASSESSED

Vulnerable Health Status

0 — 1

SCORE: 0.466 **RANK: 8/23** REGIONS ASSESSED

Housing Vulnerability

0 — 1

SCORE: 0.140 **RANK: 21/23** REGIONS ASSESSED

VULNERABILITY (V)

RANK: 19 / 23 REGIONS ASSESSED
SCORE: 0.346

KEY FACTORS INFLUENCING VULNERABILITY

Clean Water Access Vulnerability

Those without easy or adequate access to water distribution and containment systems face significant demands on daily routines that effectively limit their response and recovery capacity and the ability to maintain livelihoods. Increasing access to improved water and sanitation improves health outcomes and frees up resources to decrease further susceptibility to impacts.

Information Access Vulnerability

The ability to understand hazard and disaster-related information before, during, and after an event is central to acting on that information. If information channels and formats are limited, the groups and individuals exposed to information inclusive of mitigation options, preparedness measures, available resources, and impending hazard events, will likewise be limited. Information access enables the building and diversification of exposed populations' critical skill sets both before and after disasters strike.

COPING CAPACITY (CC)

RANK: 4 / 23 REGIONS ASSESSED
SCORE: 0.455

Below is a summary of the regional Coping Capacity Assessment within Analanjirofo. Detailed region-level results, including all indicators used to assess coping capacity, are available in DisasterAWARE.

Economic Capacity

0 — 1

SCORE: 0.567 **RANK: 5/23** REGIONS ASSESSED

Health Care Capacity

0 — 1

SCORE: 0.293 **RANK: 12/23** REGIONS ASSESSED

Energy and Communications Capacity

0 — 1

SCORE: 0.347 **RANK: 13/23** REGIONS ASSESSED

Transportation Capacity

0 — 1

SCORE: 0.611 **RANK: 5/23** REGIONS ASSESSED

KEY FACTORS INFLUENCING COPING CAPACITY

Health Care Capacity

Robust access to skilled caregivers and dedicated facilities for the treatment of injury and disease during non-disaster times greatly enhances the ability of the served population to absorb and manage post-disaster impacts to health, and increases the likelihood that disaster-associated health and medical impacts may be addressed.

Energy and Communications Capacity

Homes, businesses, industry, and government all rely on access to energy resources and communications for continuity of daily activities. Expanding, strengthening, and securing the energy network and increasing the availability of internet services will contribute to economic development, facilitate effective and coordinated communication, and increase the speed of recovery processes in the aftermath of a disaster.

RESILIENCE (R)

RANK: 3 / 23 REGIONS ASSESSED
SCORE: 0.555

Key drivers of Resilience within Analanjirofo are summarized below. Detailed region-level results for the RVA are available in DisasterAWARE.

KEY FACTORS INFLUENCING RESILIENCE

Health Care Capacity

Robust access to skilled caregivers and dedicated facilities for the treatment of injury and disease during non-disaster times greatly enhances the ability of the served population to absorb and manage post-disaster impacts to health, and increases the likelihood that disaster-associated health and medical impacts may be addressed.

Energy and Communications Capacity

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Information Access Vulnerability

The ability to understand hazard and disaster-related information before, during, and after an event is central to acting on that information. If information channels and formats are limited, the groups and individuals exposed to information inclusive of mitigation options, preparedness measures, available resources, and impending hazard events, will likewise be limited. Information access enables the building and diversification of exposed populations' critical skill sets both before and after disasters strike.

HAZARD-SPECIFIC RISK (HSR)

Sea Level Rise
RANK: 10 / 23 REGIONS ASSESSED
SCORE: 0.297

Coastal Flooding
RANK: 10 / 23 REGIONS ASSESSED
SCORE: 0.258

Riverine Flooding
RANK: 7 / 23 REGIONS ASSESSED
SCORE: 0.518

Tsunami
RANK: 9 / 23 REGIONS ASSESSED
SCORE: 0.155

Tropical Cyclone Wind
RANK: 20 / 23 REGIONS ASSESSED
SCORE: 0.578

Earthquake
RANK: 2 / 23 REGIONS ASSESSED
SCORE: 0.587

Landslide
RANK: 8 / 23 REGIONS ASSESSED
SCORE: 0.498

Extreme Heat
RANK: 17 / 23 REGIONS ASSESSED
SCORE: 0.030

Wildfire
RANK: 5 / 23 REGIONS ASSESSED
SCORE: 0.373

Malaria
RANK: 3 / 23 REGIONS ASSESSED
SCORE: 0.619

Locust
RANK: 22 / 23 REGIONS ASSESSED
SCORE: 0.035

MULTI-HAZARD RISK (MHR)

10 / 23
RANK AMONG REGIONS
SCORE: 0.526

The Multi-Hazard Risk score and ranking represent a combination of multi-hazard exposure, vulnerability, and coping capacity. Below is a summary of the Analanjirofo region's RVA results. Detailed region-level results for the RVA are available in DisasterAWARE.

Multi-Hazard Risk component scores compared to overall average country scores:

COUNTRY SCORE
ANALANJIROFO SCORE

Multi-Hazard Exposure

0.687
0.371

Vulnerability

0.346
0.492

Coping Capacity

0.455
0.383

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