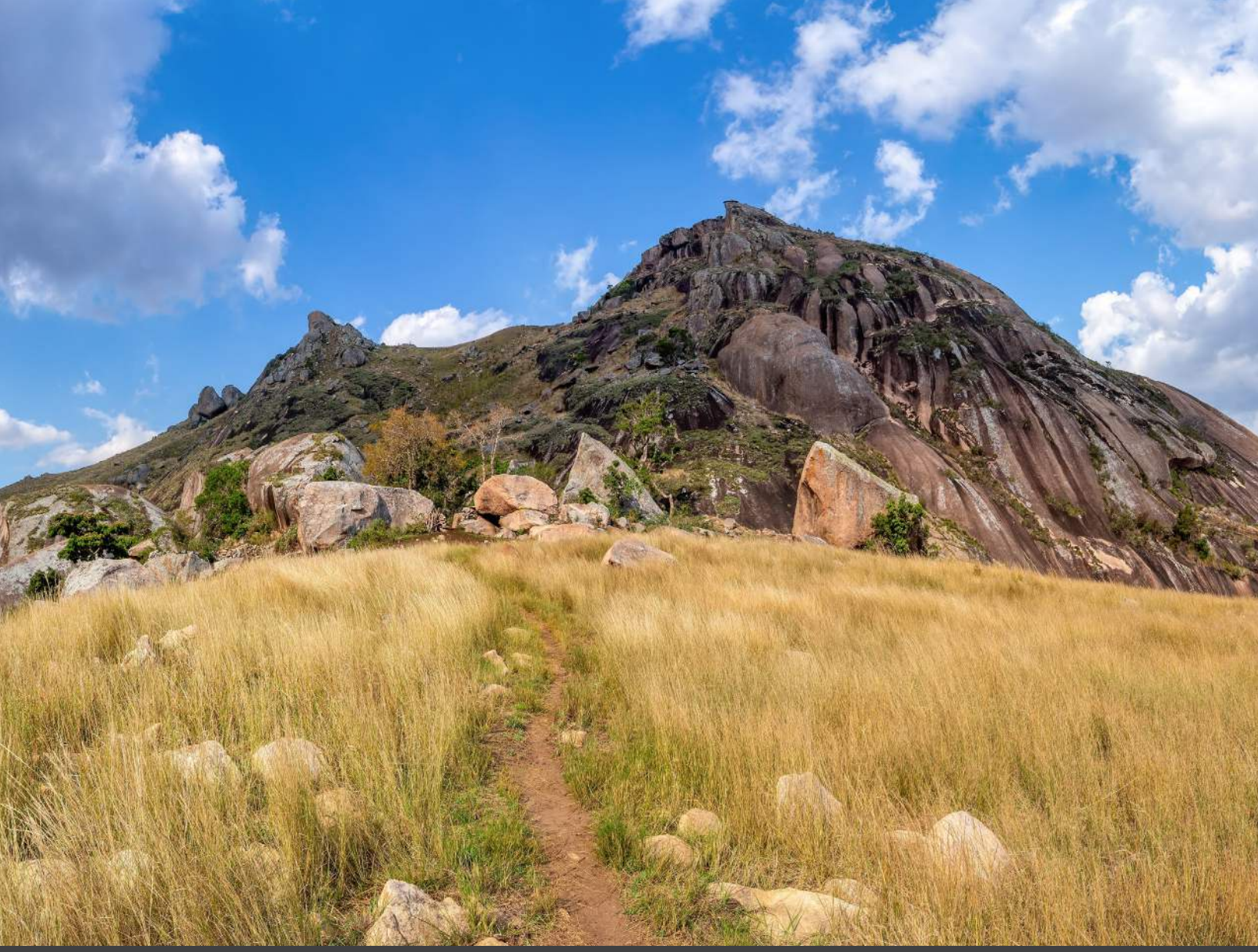

MADAGASCAR

HAUTE MATSIATRA

NDPBA REGION PROFILE

PDC | GLOBAL

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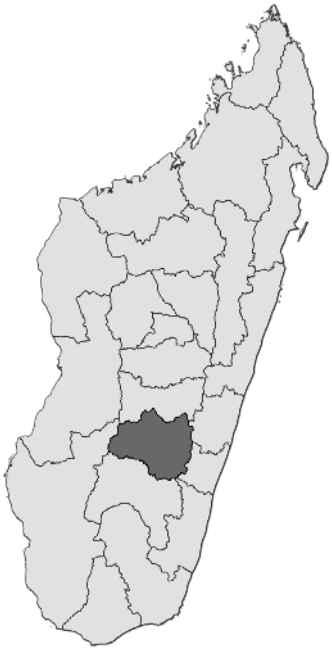
MADAGASCAR

REGION: HAUTE MATSIATRA



RISK AND VULNERABILITY

COMPONENT SCORES

MULTI-HAZARD RISK (MHR) - Low
Score: 0.449 • Rank: 15/23

RESILIENCE (R) - Moderate
Score: 0.447 • Rank: 11/23

MULTI-HAZARD EXPOSURE (MHE) - Low
Score: 0.24 • Rank: 15/23

VULNERABILITY (V) - Moderate
Score: 0.491 • Rank: 10/23

COPING CAPACITY (CC) - Moderate
Score: 0.385 • Rank: 10/23

REGION HIGHLIGHTS

Population (2018 Census)
1,444,587

Extreme Poverty Rate
63.7%

Household Access to Drinking Water
35.8%

Literacy Rate
85.0%

Household Access to Electricity
35.8%

MULTI-HAZARD EXPOSURE (MHE)

RANK: 15 / 23 REGIONS
SCORE: 0.24

ESTIMATED EXPOSURE TO EACH HAZARD:

Sea Level Rise
0% (0)
Buildings Exposed: **0%**
Critical Infrastructure Exposed: **0%**

Coastal Flooding
0% (0)
Buildings Exposed: **0%**
Critical Infrastructure Exposed: **0%**

Riverine Flooding
<1% (13,600)
Buildings Exposed: **<1%**
Critical Infrastructure Exposed: **14%**

Tsunami
0% (0)
Buildings Exposed: **0%**
Critical Infrastructure Exposed: **0%**

Tropical Cyclone Wind
100% (3,060,000)
Buildings Exposed: **100%**
Critical Infrastructure Exposed: **100%**

Earthquake
0% (0)
Buildings Exposed: **0%**
Critical Infrastructure Exposed: **0%**

Landslide
63% (1,920,000)
Buildings Exposed: **57%**
Critical Infrastructure Exposed: **32%**

Extreme Heat
<1% (59)
Buildings Exposed: **<1%**
Critical Infrastructure Exposed: **<1%**

Wildfire
1% (27,400)
Buildings Exposed: **1%**
Critical Infrastructure Exposed: **1%**

Malaria
0% (0)
Buildings Exposed: **0%**
Critical Infrastructure Exposed: **0%**

Locust
Cropland Exposed: **99%**

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

VULNERABILITY (V)

RANK: 10 / 23 REGIONS ASSESSED
SCORE: 0.491

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

Information Access Vulnerability

0 — 1

SCORE: 0.572 **RANK: 13/23** REGIONS ASSESSED

Clean Water Access Vulnerability

0 — 1

SCORE: 0.629 **RANK: 13/23** REGIONS ASSESSED

Economic Contraints

0 — 1

SCORE: 0.353 **RANK: 11/23** REGIONS ASSESSED

Gender Disparity

0 — 1

SCORE: 0.392 **RANK: 8/23** REGIONS ASSESSED

Vulnerable Health Status

0 — 1

SCORE: 0.329 **RANK: 15/23** REGIONS ASSESSED

Housing Vulnerability

0 — 1

SCORE: 0.672 **RANK: 8/23** REGIONS ASSESSED

VULNERABILITY (V)

RANK: 10 / 23 REGIONS ASSESSED
SCORE: 0.491

KEY FACTORS INFLUENCING VULNERABILITY

Housing Vulnerability

Populations living in poorly constructed housing, or homes built prior to the enactment of modern building codes, are more susceptible to structural damage and losses due to hazard impacts. In addition, higher density living situations such as crowded households increase susceptibility to negative consequences resulting from hazard exposure.

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.

COPING CAPACITY (CC)

RANK: 10 / 23 REGIONS ASSESSED
SCORE: 0.385

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

Economic Capacity

0 — 1

SCORE: 0.299 **RANK: 12/23** REGIONS ASSESSED

Health Care Capacity

0 — 1

SCORE: 0.524 **RANK: 5/23** REGIONS ASSESSED

Energy and Communications Capacity

0 — 1

SCORE: 0.180 **RANK: 19/23** REGIONS ASSESSED

Transportation Capacity

0 — 1

SCORE: 0.534 **RANK: 10/23** REGIONS ASSESSED

KEY FACTORS INFLUENCING COPING CAPACITY

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.

Economic Capacity

A strong economic foundation provides an indication of a region's ability to absorb economic losses and quickly mobilize financial assets for preparedness, response and recovery activities. Limited economic capacity correlates to disproportionate disaster impacts.

RESILIENCE (R)

RANK: 11 / 23 REGIONS ASSESSED
SCORE: 0.447

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

KEY FACTORS INFLUENCING RESILIENCE

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.

Economic Capacity

A strong economic foundation provides an indication of a region's ability to absorb economic losses and quickly mobilize financial assets for preparedness, response and recovery activities. Limited economic capacity correlates to disproportionate disaster impacts.

Housing Vulnerability

Populations living in poorly constructed housing, or homes built prior to the enactment of modern building codes, are more susceptible to structural damage and losses due to hazard impacts. In addition, higher density living situations such as crowded households increase susceptibility to negative consequences resulting from hazard exposure.

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.

HAZARD-SPECIFIC RISK (HSR)

Sea Level Rise

RANK: 15 / 23 REGIONS ASSESSED
SCORE: 0.000

Coastal Flooding

RANK: 15 / 23 REGIONS ASSESSED
SCORE: 0.000

Riverine Flooding

RANK: 14 / 23 REGIONS ASSESSED
SCORE: 0.219

Tsunami

RANK: 15 / 23 REGIONS ASSESSED
SCORE: 0.000

Tropical Cyclone Wind

RANK: 9 / 23 REGIONS ASSESSED
SCORE: 0.653

Earthquake

RANK: 7 / 23 REGIONS ASSESSED
SCORE: 0.000

Landslide

RANK: 3 / 23 REGIONS ASSESSED
SCORE: 0.612

Extreme Heat

RANK: 16 / 23 REGIONS ASSESSED
SCORE: 0.031

Wildfire

RANK: 12 / 23 REGIONS ASSESSED
SCORE: 0.161

Malaria

RANK: 22 / 23 REGIONS ASSESSED
SCORE: 0.000

Locust

RANK: 2 / 23 REGIONS ASSESSED
SCORE: 0.739

MULTI-HAZARD RISK (MHR)

15 / 23
RANK AMONG REGIONS
SCORE: 0.449

The Multi-Hazard Risk score and ranking represent a combination of multi-hazard exposure, vulnerability, and coping capacity. Below is a summary of the Haute Matsiatra 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
HAUTE MATSIATRA SCORE

Multi-Hazard Exposure

0.24
0.371

Vulnerability

0.491
0.492

Coping Capacity

0.385
0.383

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