
Population Exposure

Cyclone Dineo-17 Mozambique

February 2017

Prepared by

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15 February 2017

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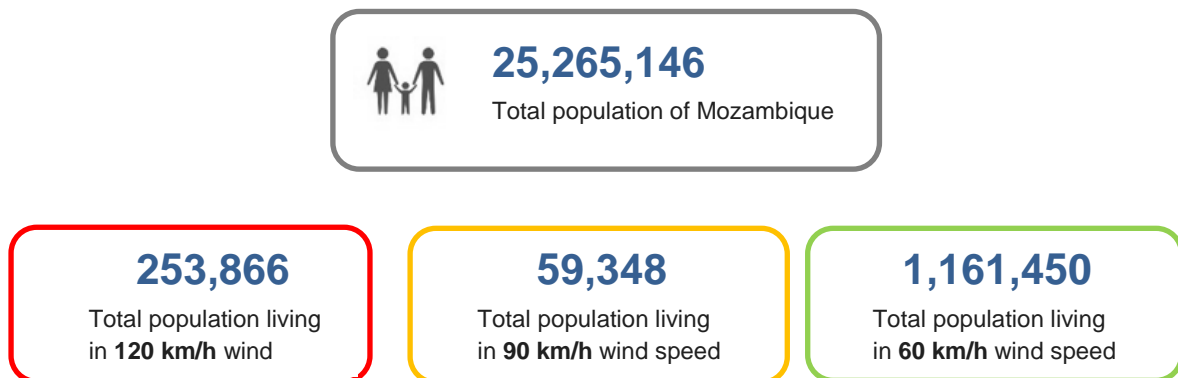
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The Tropical Cyclone Dineo-17, is approaching Mozambique coasts and is expected to make landfall The 16 February 2017 in the central province of Inhambane. Potential heavy rainfall are also expected according microwave satellite sensors and might induce floodings in the affected areas. This report provides an analysis on the potentially exposed population per wind speed zones in Mozambique. According to our analysis approximately 250,000 people in Mozambique may be exposed to over 120km/h sustainable wind speeds and 59,000 people might be exposed to 90km/h wind speed. About 1,160,000 people might be exposed to moderate winds of 60km/h.

Population exposure estimates based on cyclone track (JRC) and wind speed zones as of 15 February 2017 and WorldPop data.



The table below provides population exposure, summarized at Province and District level, has been calculated using 100 m resolution WorlPoP dataset. This is a preliminary analysis & has not yet been validated in the field

Province/District	Wind Speed Zones			Total
	60 km/h	90 km/h	120 km/h	
Gaza	74,857	206		75,063
Changanine	16,635			16,635
Chibonzane	23,435			23,435
Chigubo	409			409
Dindiza	4,592	206		4,798
Macuacua	29,787			29,787
Inhambane	1,086,593	59,141	253,866	1,399,601
Bazaruto	161			161
Chicomo	73,114	9,969	26,278	109,362
Cidade De Inhambane	123,212			123,212
Cumbana	63,307			63,307
Funhalouro	6,925	23,713	1,289	31,926
Homoine	60,074			60,074
Inharrime	55,381			55,381
Inhassoro	38,595			38,595
Jangamo	132,568			132,568
Mabote	11,942			11,942
Mapinhane	108,919			108,919
Massinga			100,416	100,416
Mawayela	22,140			22,140
Maxixe	14,763	960	21	15,743
Mocumbi	66,823			66,823
Morrumbene	2,186	2,977	40,555	45,718
Mucoduene	6,747	11,850	83,479	102,077
Panda	23,181			23,181
Pembe	42,210	8,526	1,828	52,564
Quissico	73,822			73,822
Tome	16,901	1,146		18,047
Urrene	11,155			11,155
Vilankulo	55,477			55,477
Zandamela	75,442			75,442
Zimane	1,548			1,548
Total	1,161,450	59,348	253,866	1,474,665

The full table at province/district and municipality levels is available to download [here](#).

Sources:

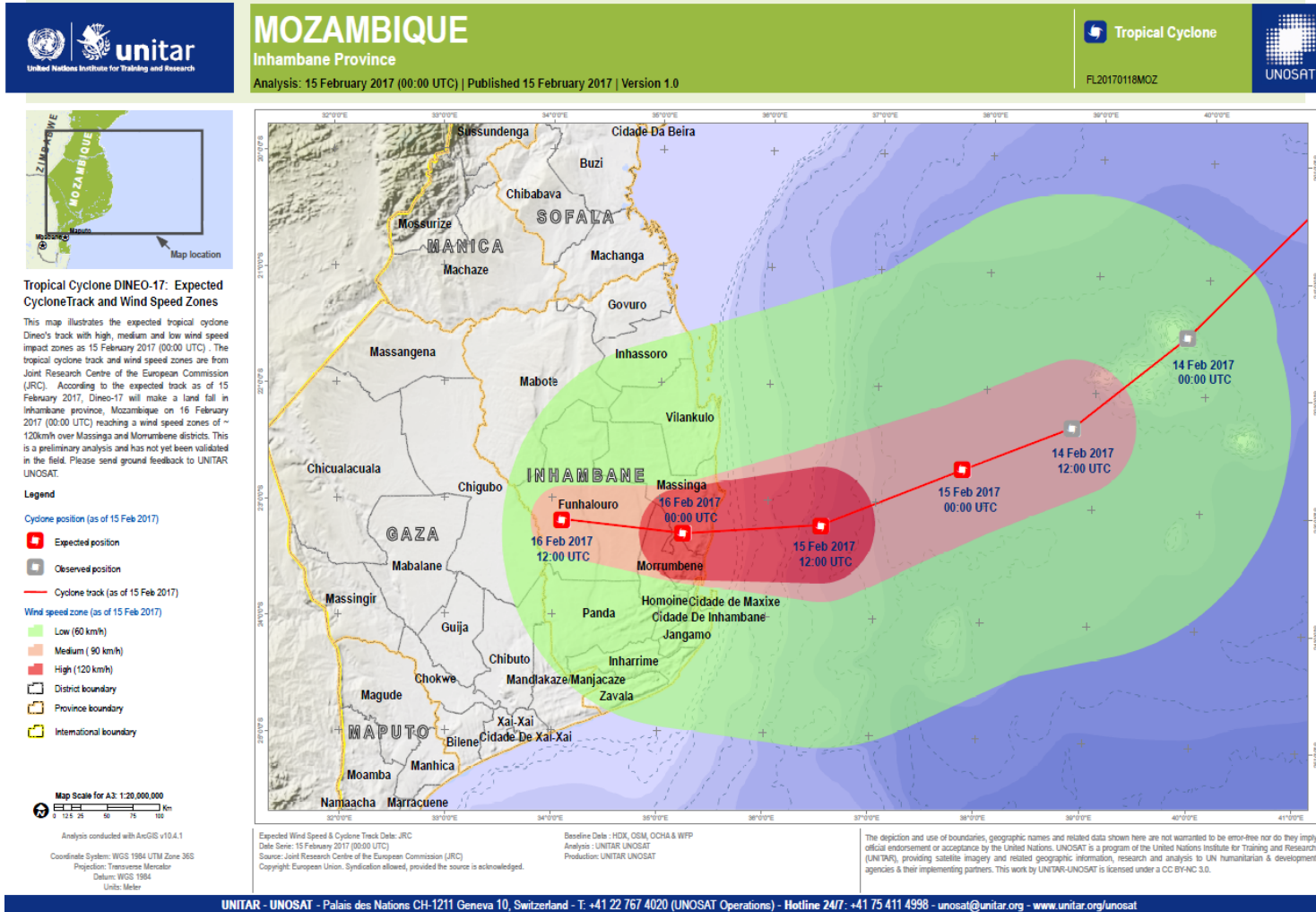
Administrative Levels: OCHA, WFP

Cyclone track: JRC

Spatial demographic data: WorldPop (2015)

Analysis: UNITAR-UNOSAT (15/02/2017)

The map is available to download [here](#).



The depiction and use of boundaries, geographic names and related data shown here are not warranted to be error-free nor do they imply official endorsement or acceptance by the United Nations. UNOSAT is a program of the United Nations Institute for Training and Research (UNITAR), providing satellite imagery and related geographic information, research and analysis to UN humanitarian & development agencies & their implementing partners. This work by UNITAR-UNOSAT is licensed under a CC BY-NC 3.0.

The analysis has not been verified in the field yet; please send your comments and feedback to unosat@unitar.org.

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