



World Food
Programme

SAVING
LIVES
CHANGING
LIVES



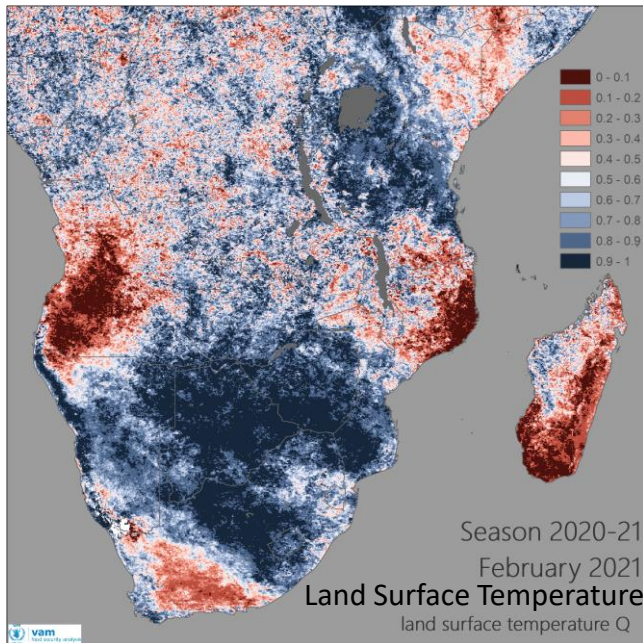
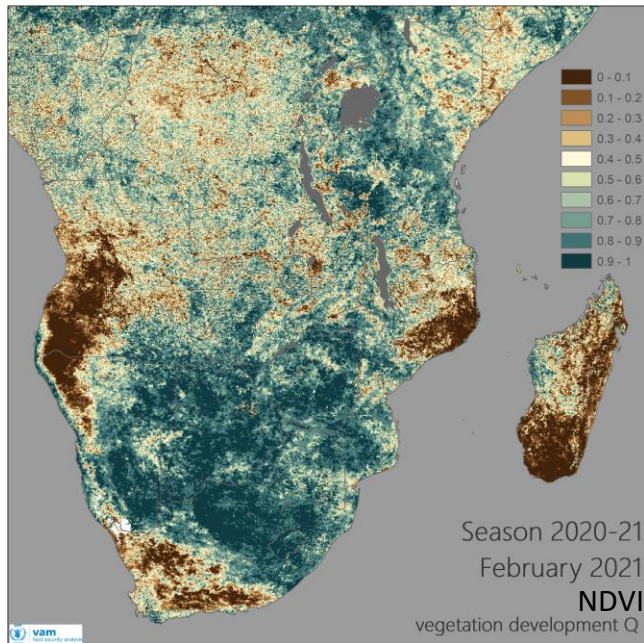
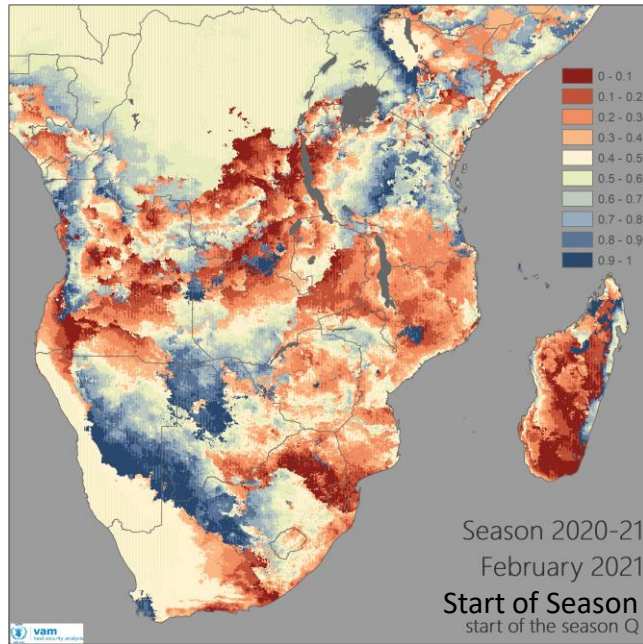
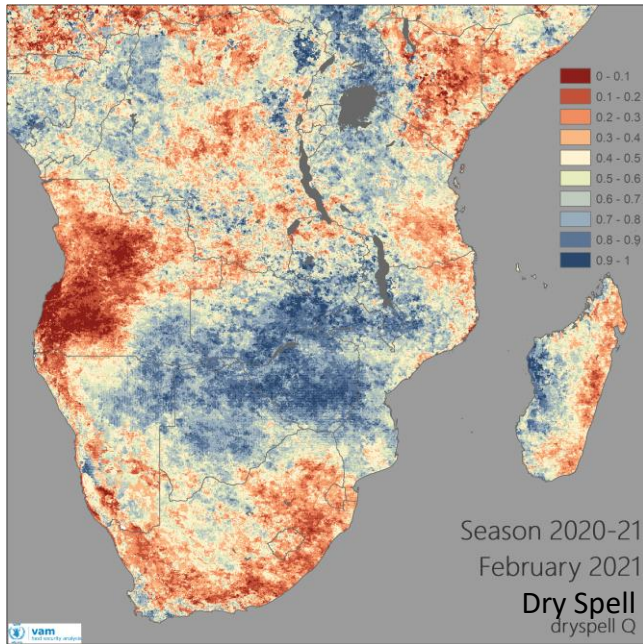
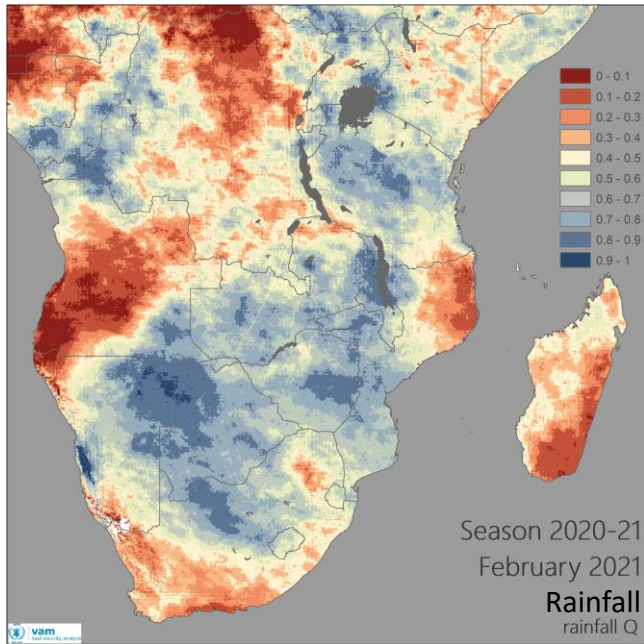
Seasonal Overview and Regional Southern African Vulnerability Analysis (2020/2021)

Johannesburg Regional Bureau | April 2021

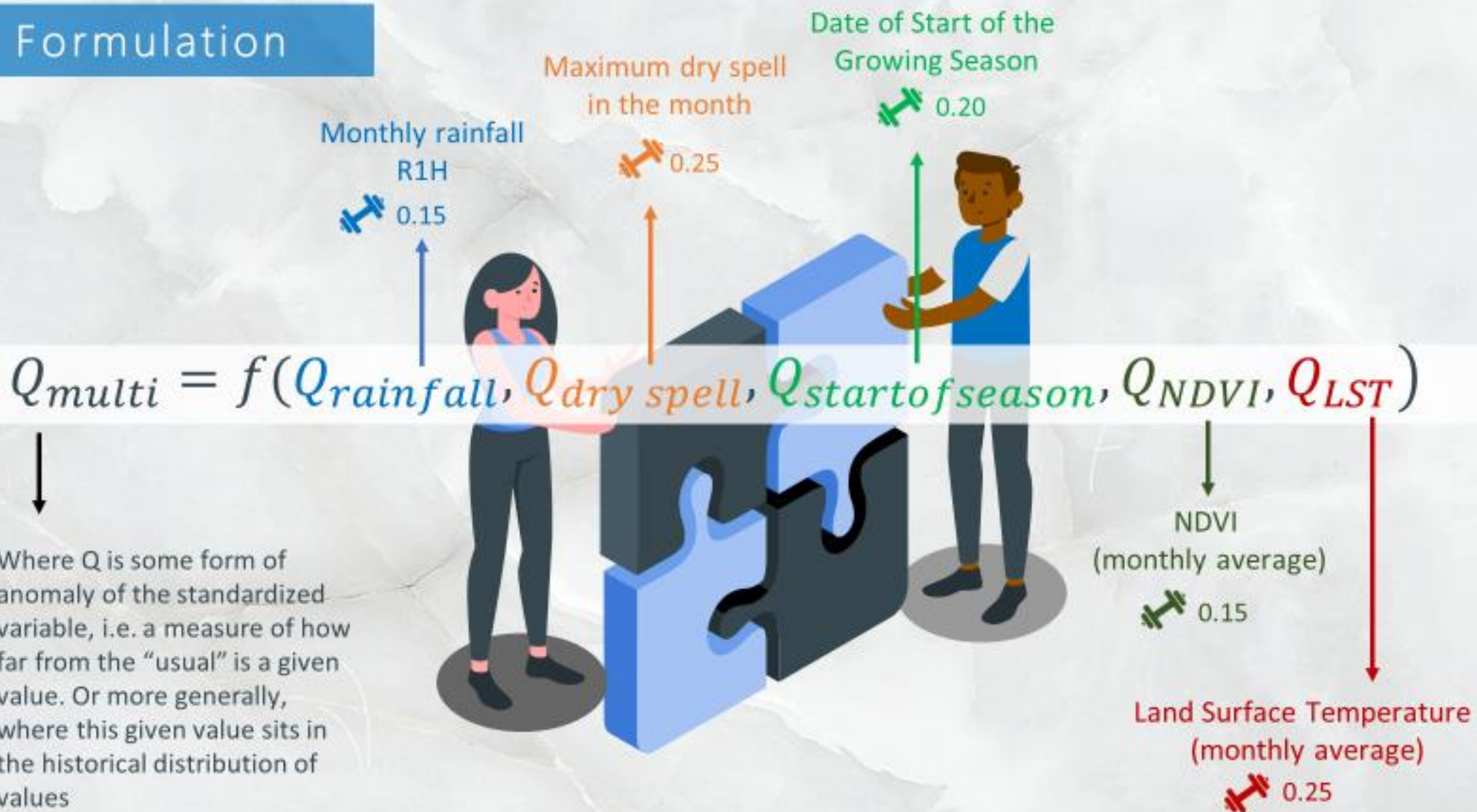


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food security analysis

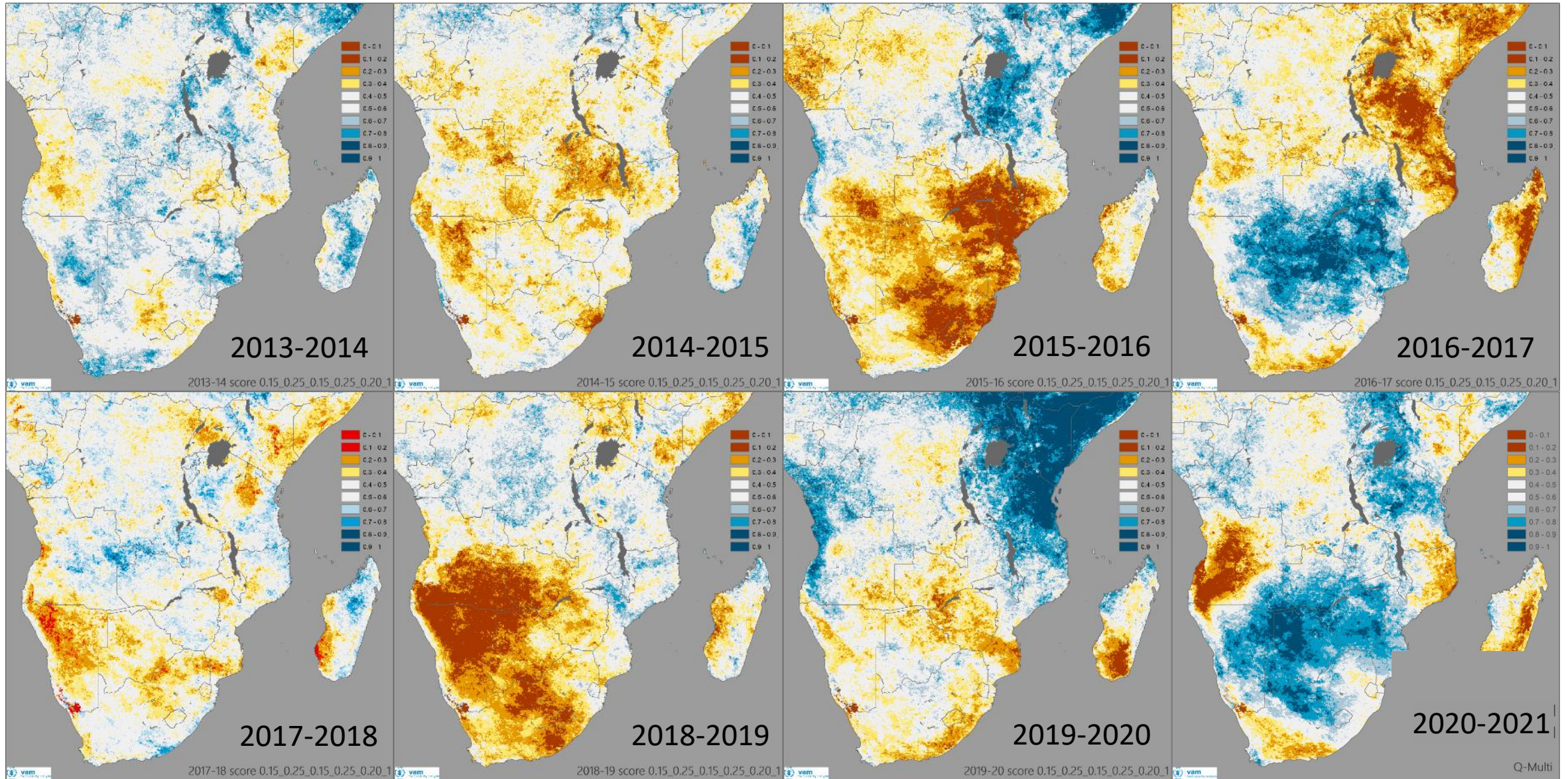
Derivation of Q_{multi} for 2020-2021 (Inputs)



Formulation

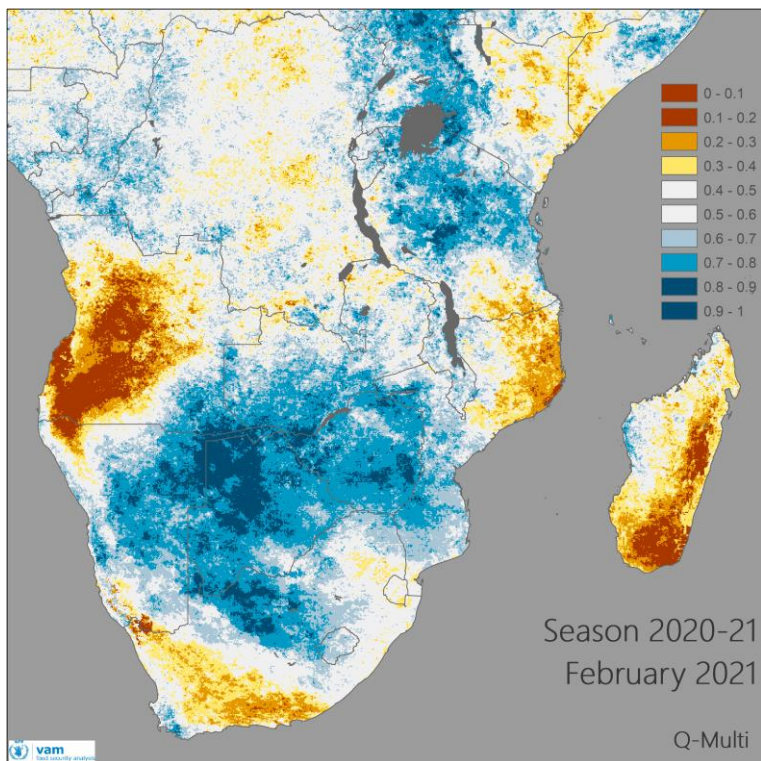


Q_{multi} from 2013-2021

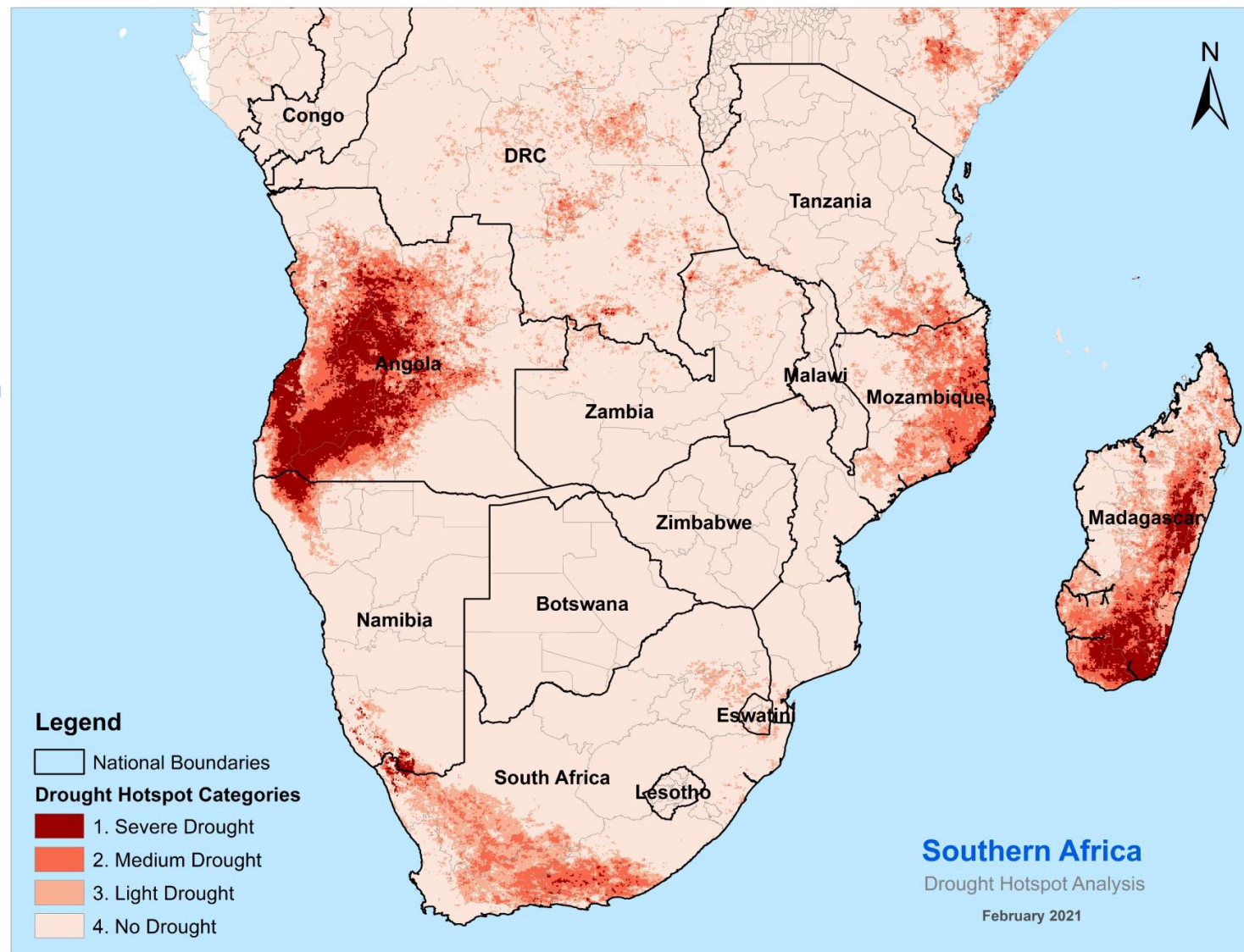


Southern Africa: 2020/21 Drought Hotspots

Q_{Multi} (2020/2021)

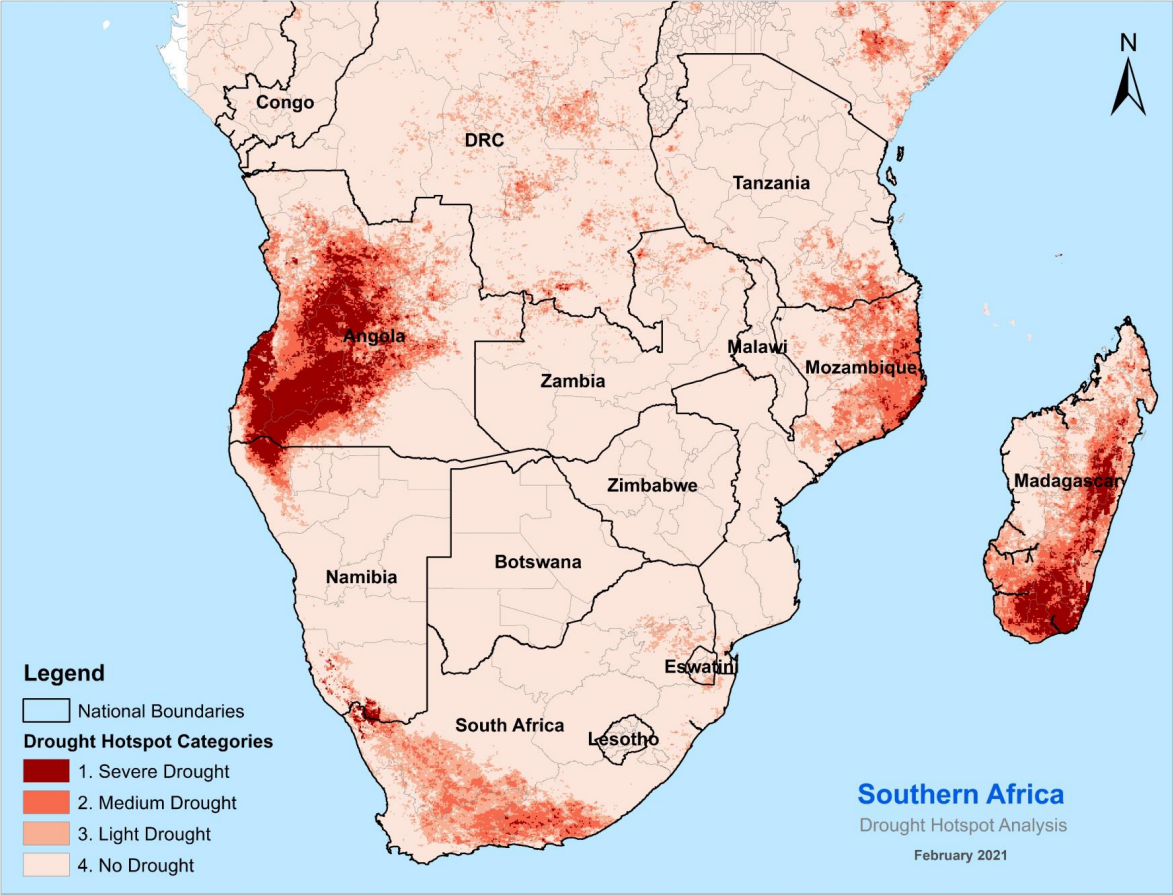


Reclassification



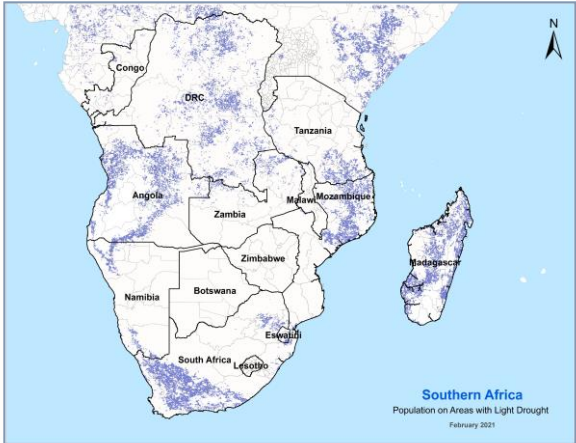
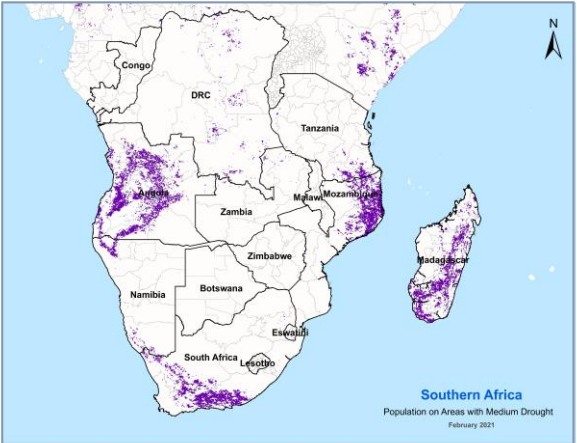
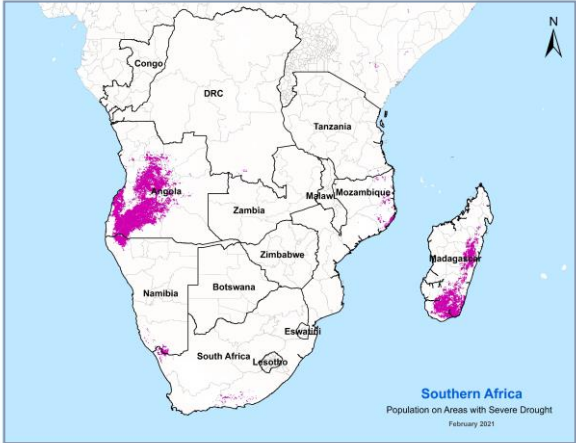
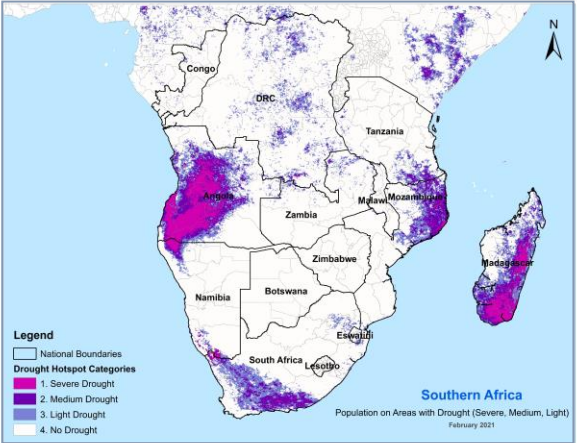
Southern Africa: Extraction of Population Exposed to Drought

2020/2021 Hotspots



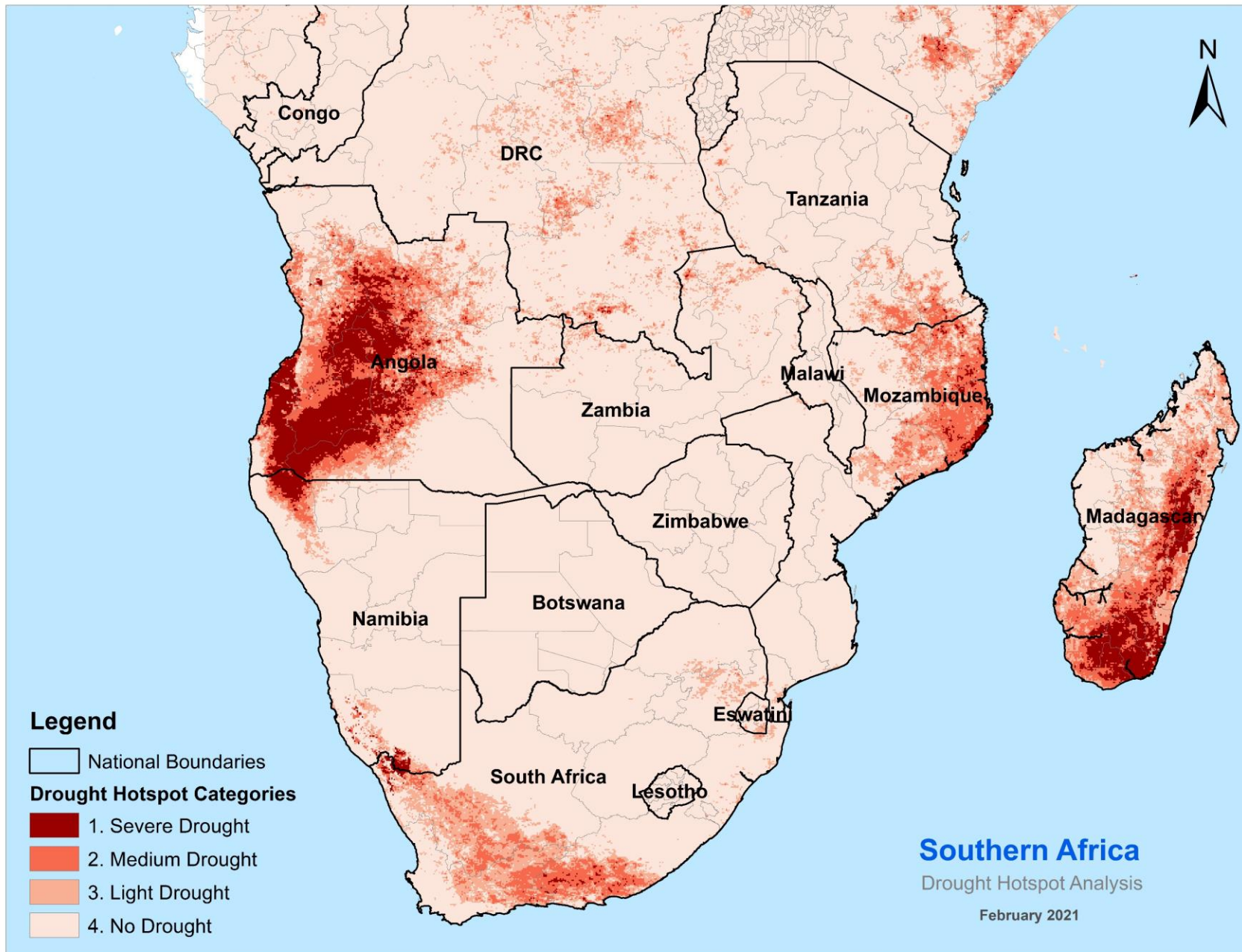
Population Dataset

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Source: World Population 2020

Reclassified Q_{multi} for 2020-2021



Population Under Drought Conditions in the Region

Countries	Total Exposed to Drought	Drought Affected (Total Exposed x MPI)
Angola	8,018,800	3,764,700
Botswana		-
Congo	-	-
DRC		-
Eswatini	136,100	41,200
Lesotho		-
Madagascar	16,965,300	6,134,700
Malawi	146,400	965,800
Mozambique	8,036,700	1,312,400
Namibia	137,100	782,300
South Africa*	1,647,000	415,200
Tanzania	2,042,600	917,600
Zambia	1,097,900	558,900
Zimbabwe		-
Total	39,747,400	14,892,800

40 Million

People exposed to drought

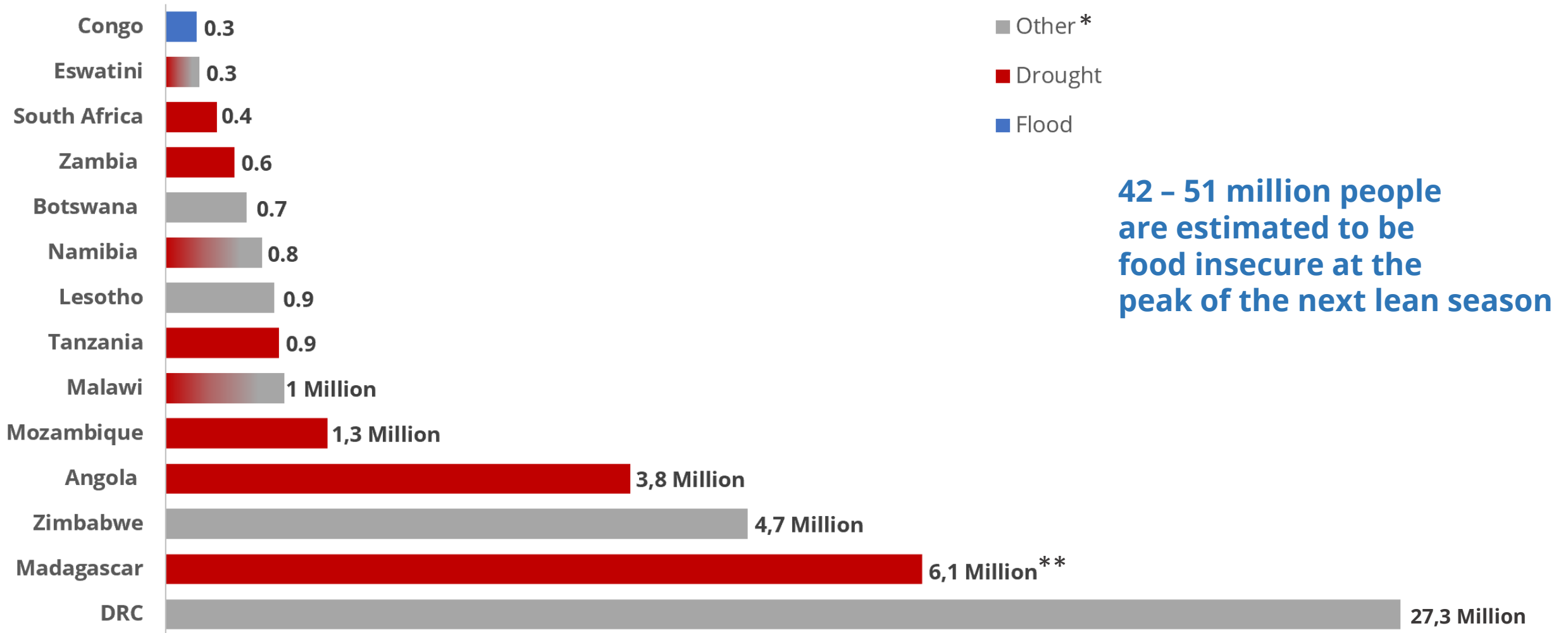
15 Million

People affected by drought

MPI = [Multidimensional Poverty Index composed of three dimensions \(health, education and living standards\) and ten indicators](#)

* National Poverty Line (NPL) used for South Africa

Food Insecure Population Due to Drought & Other Shocks



* "Other" refers to the cereal adequacy ratio for all countries except DRC. DRC estimates are from the IPC figures.

** In the Grand Sud and Atsimo Atsinanana, 2.4 million people are estimated to be food insecure.

Next Steps

- Develop and improve flood models and analysis;
- Training on the rSAVA methodology, its application and usage in terms of the vulnerability numbers for each country;
- Automation of analytical processes to improve turnaround time;
- Assess inter-seasonal effects of drought on the vulnerable population.