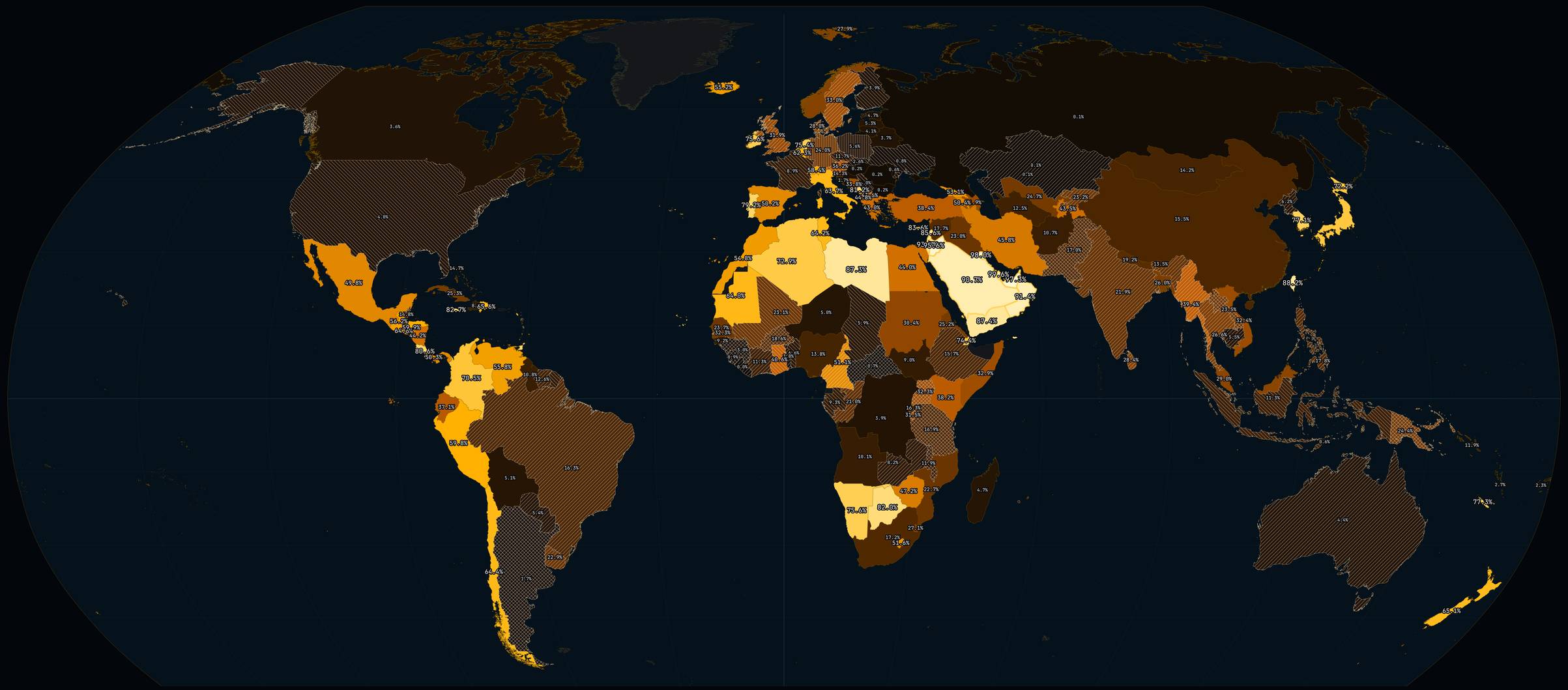
FREE-FOR-ALL :: CALORIC FRAGILITY IN AN EACH-ON-THEIR-OWN WORLD

[ANFOS-2026 / KIPARISOV-FOLBERTH / IIASA] MEAN COMPOUNDED CALORIC LOSS UNDER AUTARKY, 2016 – 2023



[FRAGILITY :: KEY]

VULN.

0% 50% 100%

caloric supply loss (%)

[DOMINANT DRIVER :: SYMBOL]

- CROP_AUTARKY (plain)
- N_FERTILIZER
- P_FERTILIZER
- K_FERTILIZER
- NATURAL_GAS_->_N

[MOST FRAGILE NODES :: TOP-20]

01 KNA 100.0%	06 JOR 95.6%	11 MLT 89.2%	16 CPV 87.1%
02 BHR 99.7%	07 TTO 94.0%	12 VCT 88.7%	17 LBN 85.6%
03 QAT 99.6%	08 ISR 93.7%	13 TWN 88.2%	18 CYP 83.6%
04 KWT 98.0%	09 OMN 91.4%	14 YEM 87.4%	19 JAM 82.7%
05 ARE 97.3%	10 SAU 90.7%	15 LBY 87.3%	20 BRA 82.0%

[GEOPOLITICAL OUTLOOK :: BLOC FRAGILITY]

[MIL]		[ECON]		[POL]		MERCOSUR	11.6%
NATO	0.2%	G.SOUTH	11.2%	GCC	91.4%	AU	21.1%
SCO	2.8%	G.NORTH	0.8%	PA	55.5%	ASEAN	21.5%
H.NALG	13.7%	[NWGL]		AL	55.8%	G7	1.2%
		NUCLEAR	1.2%	CELAC	19.7%	BRICS	4.2%
		NONNUC	9.2%	EU	14.3%		

NAFTA	0.1%
EAEU	0.0%
P.NALG	8.8%

[READOUT META :: SOURCE LOG]

RUN_TAG	ANFOS_2026.INIT.GLOBAL.READOUT
TIME_WINDOW	2016-2023 (n+8 a)
PROJECTION	ROBINSON (ESRI:54030)
BASEMAP	NATURAL EARTH (10M_ADMIN_0_COUNTRIES)
SAMPLE_SIZE	186 countries with shock data
KCAL_VALUES	additive component sum

DOMINANT_BREAKDOWN	
CROPS	131
N_FERTILIZER	24
P_FERTILIZER	13
K_FERTILIZER	15
NATURAL_GAS_->_N	3

src: AUTHORS' ANALYSIS // FAO // UN COMTRADE // ENERGY INSTITUTE