Global Footprint Network

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Summary

The Global Footprint Network dataset is from the National Footprint and Biocapacity Database. It's a geography-based dataset that focuses on the carbon, mineral, and ecological output for each country between the years 1961 and 2019. Because it's pulled from a free data source, it's imperative that the puller pay attention to the year of release, who the source uploader is, and whether or not the license is from the same year. These points are significant to ensuring that the calculation for the output of each country is accurate. The Global Footprint Network dataset is updated on a biannual basis, the source collects data from the previous year and compares it to a running average of years that already exists in the database.

In particular, the data team uses this dataset in order to calculate for a couple indicators:

- Agriculture
- Exports
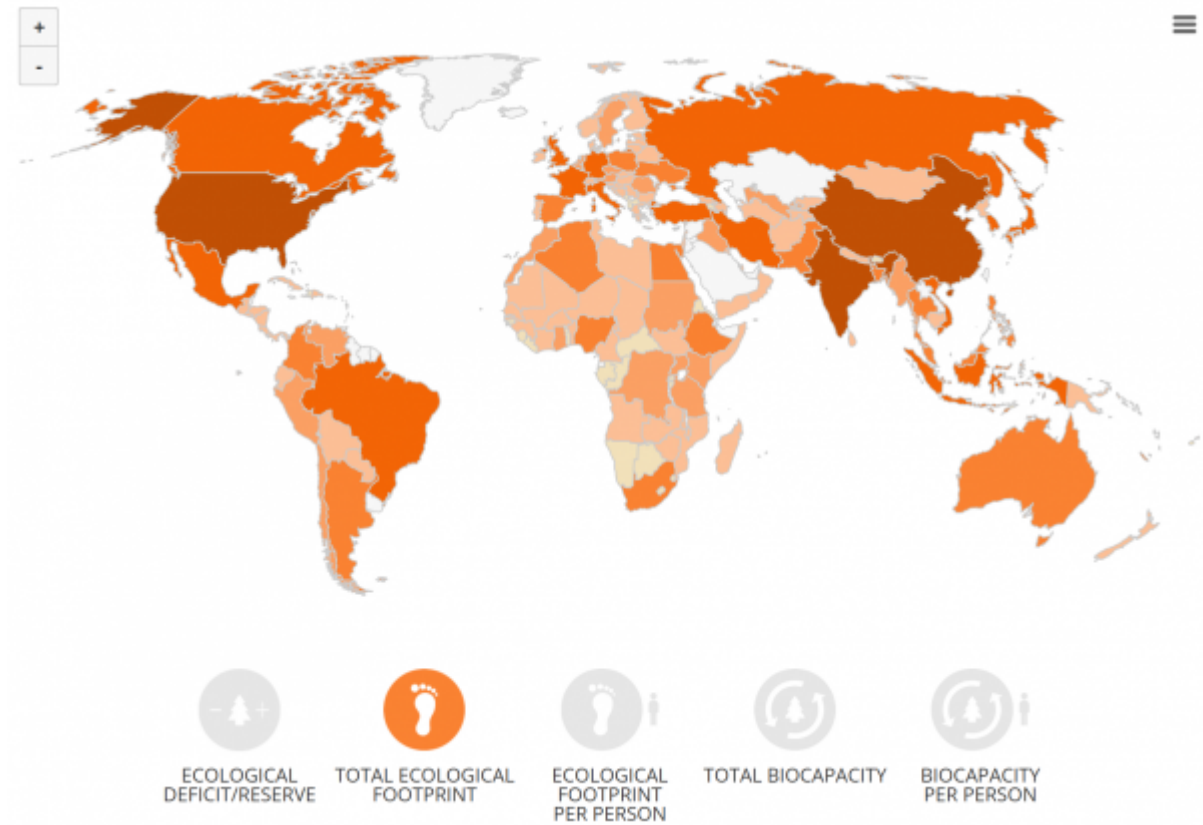- Industrial Output

These indicators can be found in SERIESXYZExample and SERIESZYXExample where we calculate the coal, oil, gas, and other outputs of a country. We also use this calculation in the core series GDP and GDPPC.

Tables In IFs

Variable	Definition	Name In Source	UsedInPreprocessor	UsedInPreprocessorFileName
EnvEcolFootprintTotal	Ecological/Environ footprint total, number of earths used		0	
EnvEcolFootprintFood	Ecological/Environ footprint for food and fiber, number of earths used		0	
EnvEcolFootprintEnergy	Ecological/Environ footprint for energy, number of earths used		0	
EnvEcolFootprintBuiltLd	Ecological/Environ footprint for built land, number of earths used		0	
LandArableGFNcorine	Land Area, ArableLand	Arable land	0	
LandBuiltGFNcorine	Land Area, Artificial Land	Artificial Land	1	AGRICULTURE
LandBuiltGFNgaez	Land Area, Settlement and Infrastructure	Settlement and infrastructure	1	AGRICULTURE
LandBuiltGFNglc	Land Area, Infrastructure aggregated	Infrastructure aggregated	1	AGRICULTURE
LandBuiltGFNsage	Land Area, Buit area	Built area	1	AGRICULTURE
LandCroplandGFNglc	Land Area, Cropland aggregated	Cropland aggregated	0	
LandCroplandGFNsage	Land Area, Cropland	Crop land	0	
LandForestGFNcorine	Land Area, Forest	Forest	0	
LandForestGFNglc	Land Area, Forest aggregated	Forests aggregated	0	
LandInlandWaterGFNcorine	Area, InlandWaters	Inland waters	0	
LandPastureGFNcorine	Land Area, Pasture and hetrogenous agricultural land	Pasture and hetrogenous agricultural land	0	
LandPastureGFNglc	Land Area, Pasture aggregated	Pasture aggregated	0	
LandPastureGFNsage	Land Area, Pasture	Pasture	0	
GFNGrazingLandpercapita	Grazing Land Per Capita from GFN		0	
GFNGrazingLandTotal	Grazing land in million hectares from National Footprint Account released by GFN		0	
GFNBuiltUplandpercapita	Built-up Land Per Capita from GFN		0	
GFNBuiltUpLandTotal	Built up land in million hectares from National Footprint Account released by GFN		0	
GFNCropLandperCapita	Crop Land Per Capita from GFN		0	
GFNCropLandTotal	Crop land in million hectares from National Footprint Account released by GFN		0	
GFNFishingGroundpercapita	Fishing Land Per Capita from GFN		0	
GFNFishingGroundTotal	Fishing land in million hectares from National Footprint Account released by GFN		0	
GFNForestLandpercapita	Forest Land Per Capita from GFN		0	
GFNForestLandTotal	Forest land in million hectares from National Footprint Account released by GFN		0	

Data Pulling Instructions

1. Navigate to this page.
2. Click one of the topics on the bottom of the image:

ECOLOGICAL
DEFICIT/RESERVE   TOTAL ECOLOGICAL
FOOTPRINT   ECOLOGICAL
FOOTPRINT
PER PERSON   TOTAL BIOCAPACITY   BIOCAPACITY
PER PERSON

3. The data will be displayed below like this:

COUNTRIES RANKED BY TOTAL ECOLOGICAL FOOTPRINT (in global hectares)

1	China	5,250,000,000
2	United States	2,670,000,000
3	India	1,570,000,000
4	Russia	878,000,000
5	Japan	529,000,000
6	Brazil	520,000,000
7	Indonesia	497,000,000
8	Germany	384,000,000
9	Mexico	329,000,000
10	France	327,000,000

Data Notes