

Typst GIS

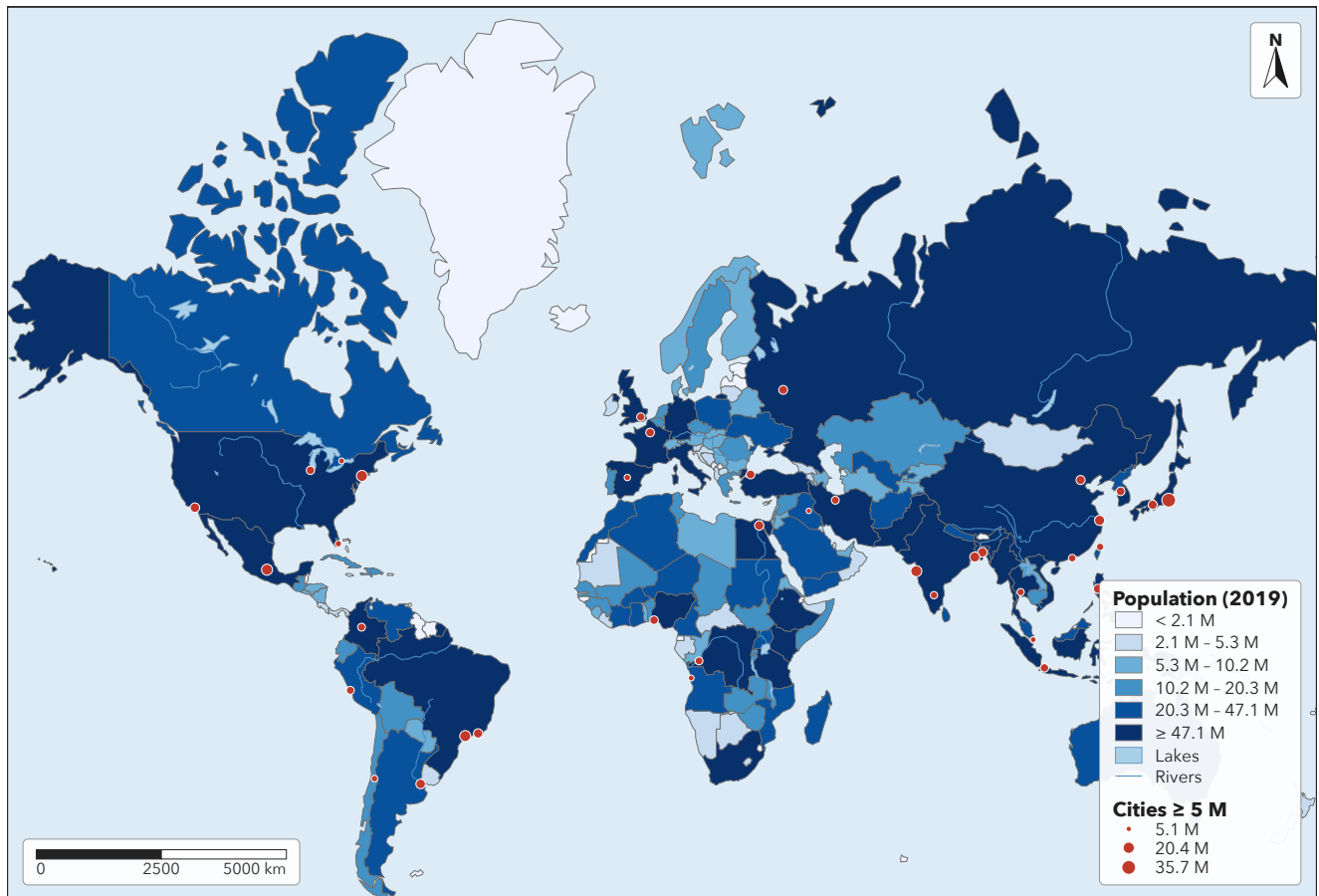
A showcase of eleven maps

drawn entirely in Typst

GeoJSON · projections & CRS · choropleths · unique values
proportional symbols · selection & highlight · buffers
labels with halos · vector terrain & contours · great-circle routes
density heatmaps · polar projections · dark styles

World Population

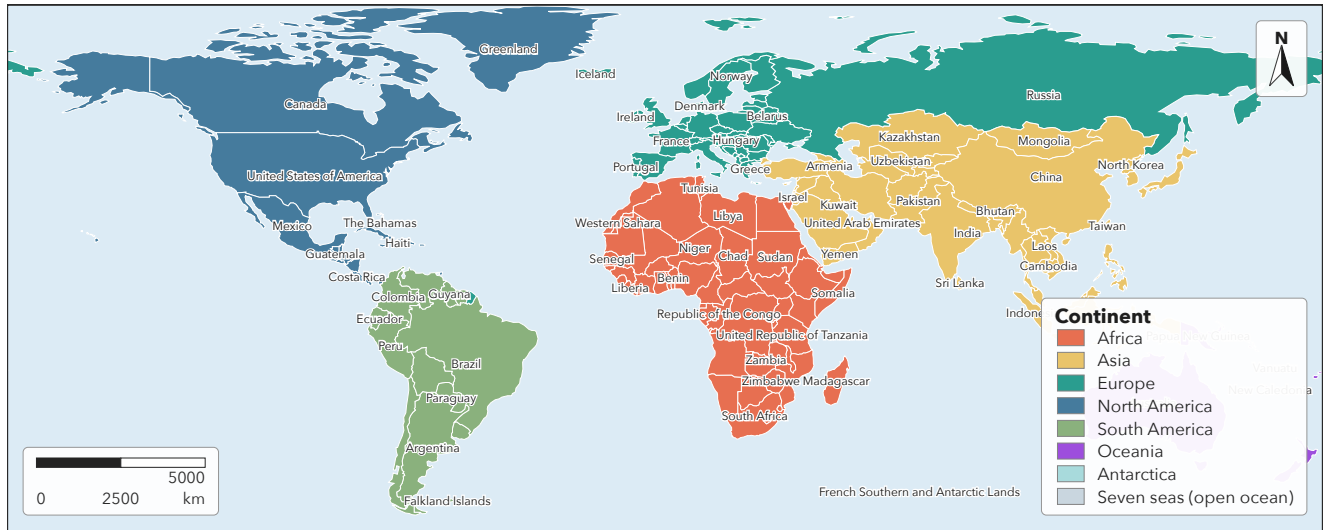
Natural Earth 1:110m · Web Mercator · quantile classification



Choropleth with quantile class breaks, proportional city symbols, graticule, legend, scale bar and north arrow – all drawn by Typst from GeoJSON.

Continents

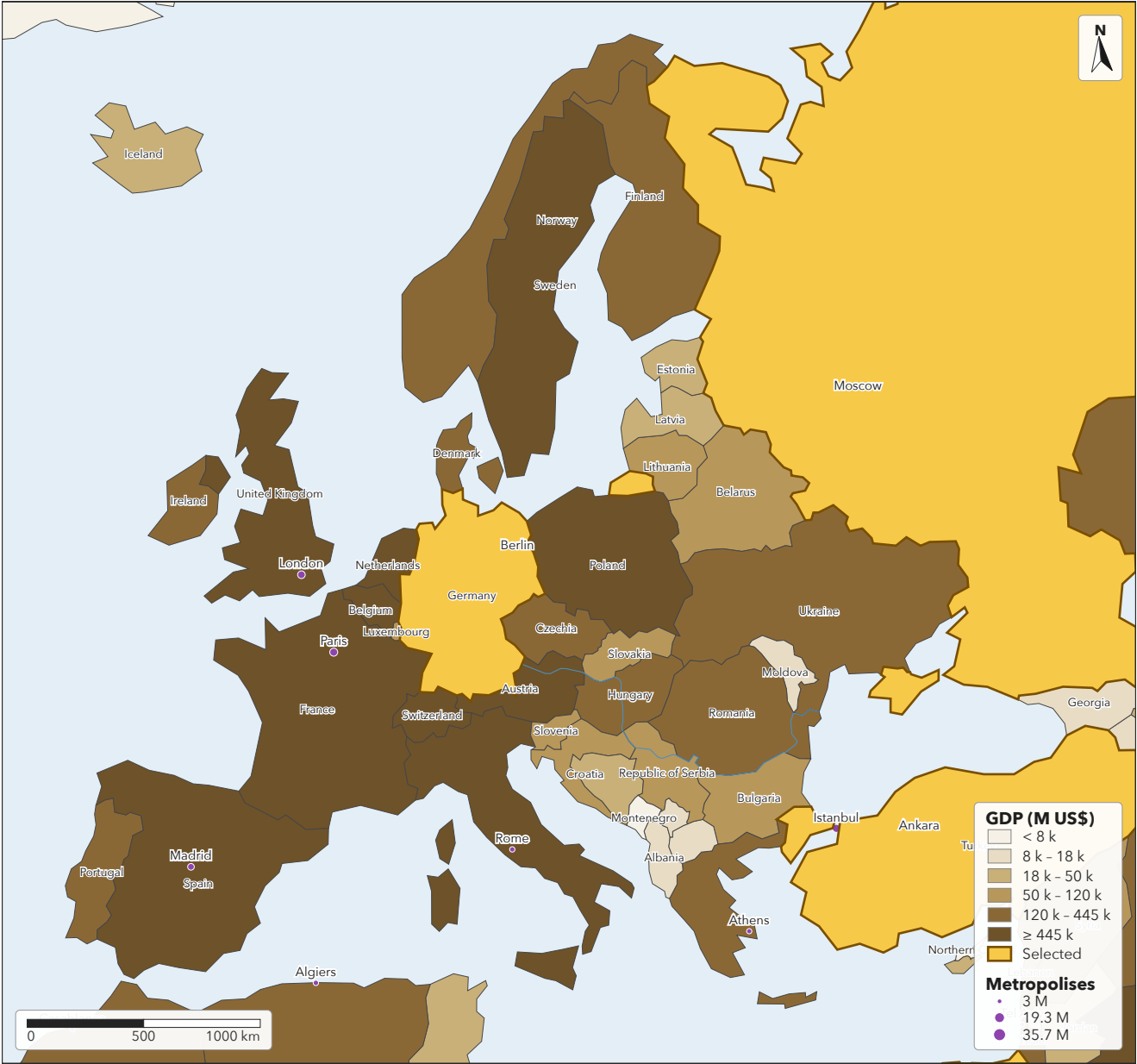
Natural Earth 1:110m · equirectangular · unique values



Categorical symbology (ArcGIS: unique values) with a collision-avoiding label engine, rendered from the CONTINENT attribute.

Europe – Economic Output

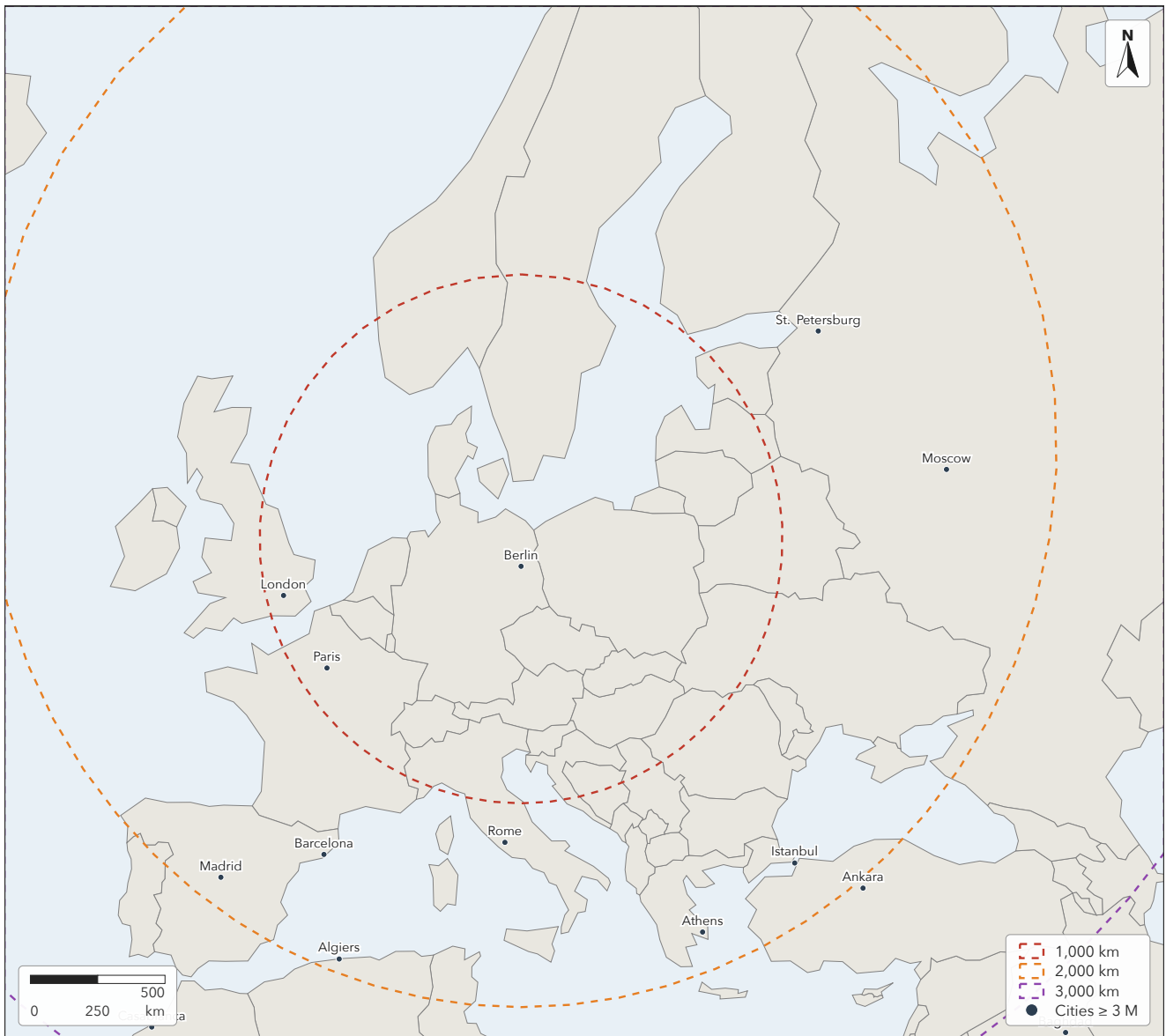
Natural Earth 1:110m · Albers equal-area (35°/65°) · GDP in million US\$



Equal-area conic projection with graduated colors, attribute selection (countries above 80 M inhabitants highlighted) and dual label layers.

Accessibility – Distance Rings around Berlin

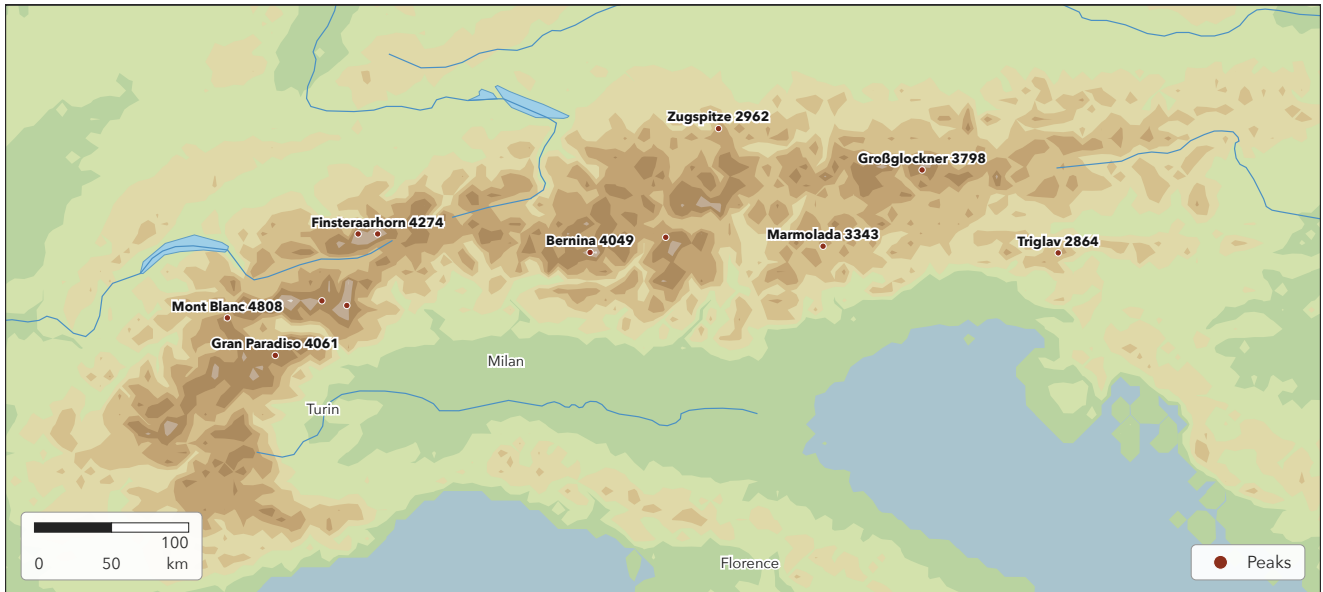
Natural Earth 1:50m/1:110m · Mercator · geodesic 1,000/2,000/3,000 km buffers



Buffer geoprocessing: true geodesic circles (great-circle distance) computed on the sphere, drawn as dashed range rings around Berlin.

The Alps – Terrain and Contours

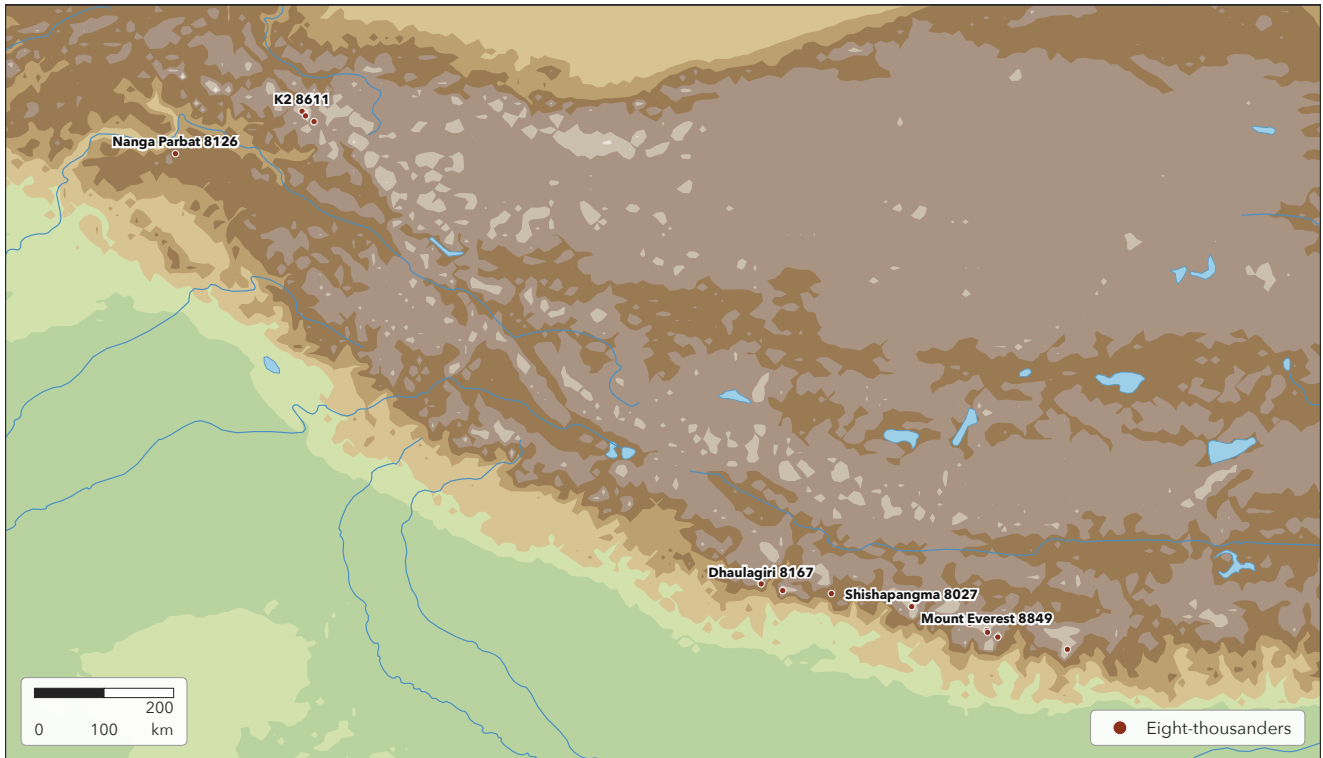
SRTM 90m DEM (0.08°) · equirectangular · hypsometric tint bands every 250–600 m



Fully vector terrain: the hypsometric tint bands are filled Typst polygons whose boundaries follow elevation contours exactly – no raster image, no cell mosaic and no contour strokes.

Himalaya and Karakoram

SRTM 90m DEM (0.10°) · equirectangular · hypsometric tint bands



The same fully vector terrain pipeline on a finer 0.10° DEM, with all fourteen eight-thousanders labelled by priority.

The Arctic from Above

Natural Earth 1:110m · azimuthal equidistant projection centred on the North Pole



Polar azimuthal equidistant projection: all meridians radiate from the pole, distances from the centre are true. Countries, labels, graticule and scale bar adapt automatically.

Great-Circle Routes

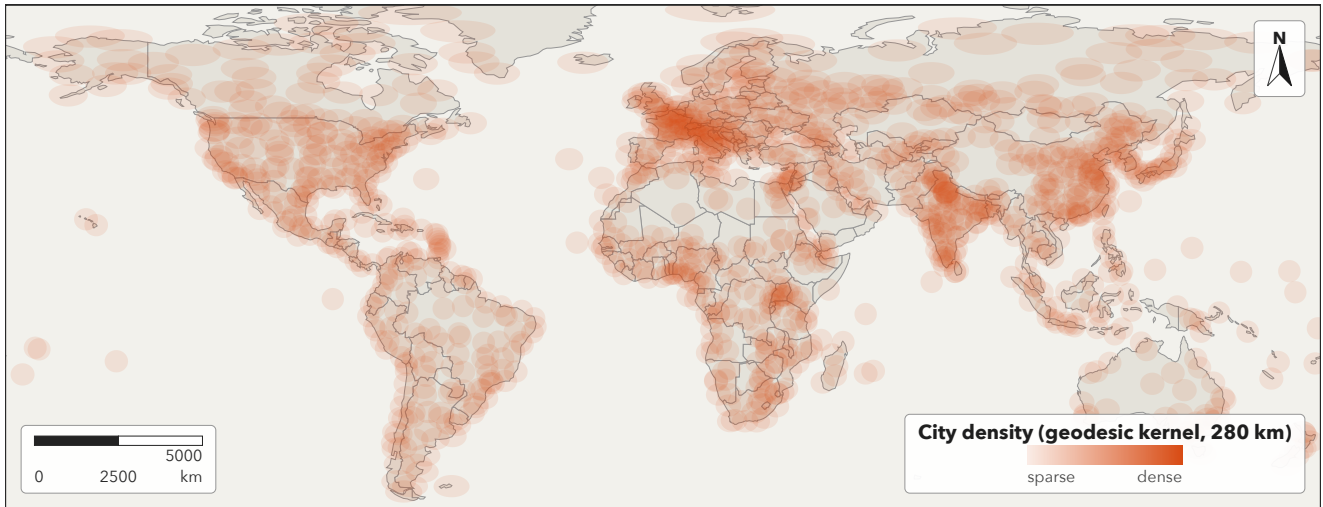
Natural Earth 1:110m · Mercator · geodesic distance labels



Route layer: great circles are sampled step by step (bearing/destination on the sphere) and labelled with their geodesic length.

Global City Density

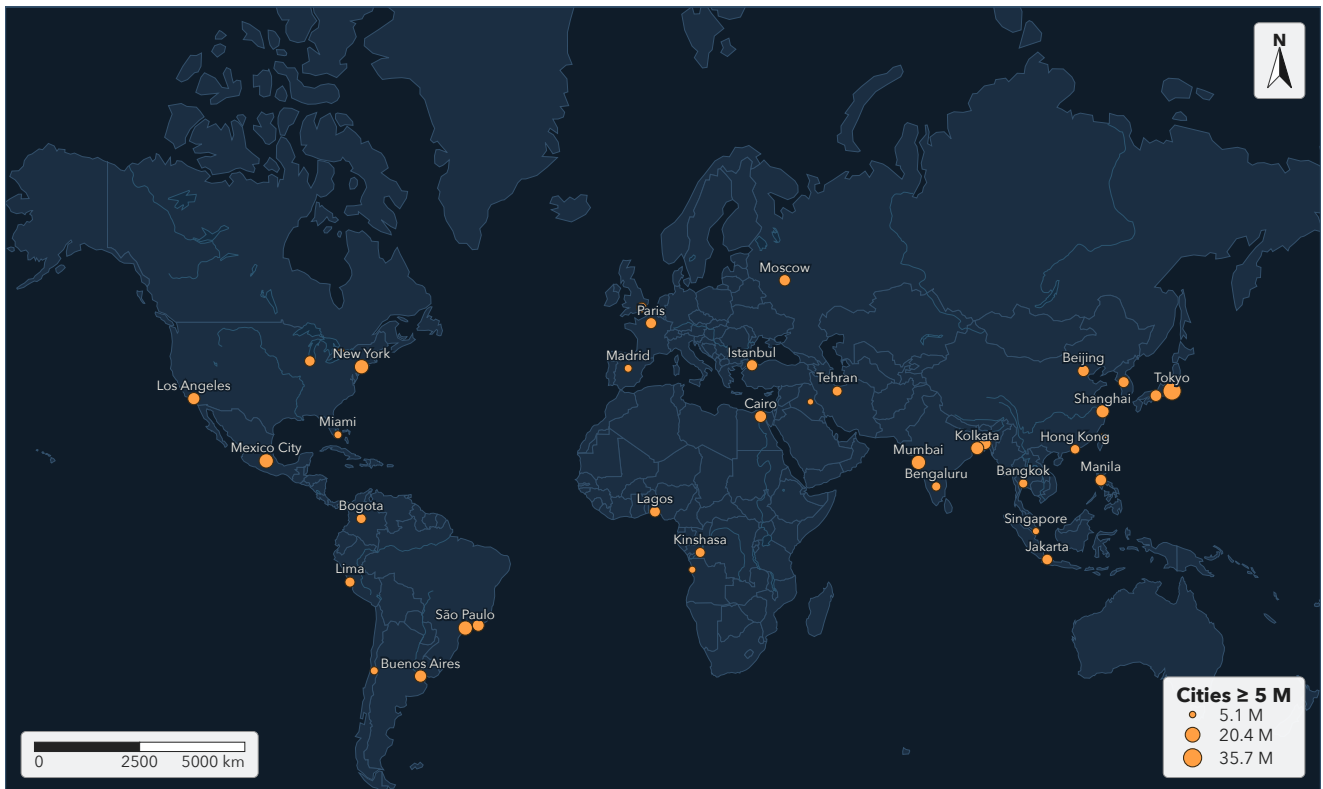
Natural Earth 1:50m populated places (1,250 cities) · kernel density



Kernel density: every city is a translucent geodesic disc; overlapping discs accumulate into a smooth heat field – computed on the sphere, no raster involved.

Megacities – Night View

Natural Earth 1:110m · Mercator · dark map style



Dark cartographic style: inverted halo colours, muted land tones and glowing proportional symbols with a size-class legend.

Germany – Physical and Political

SRTM 90m relief · rivers & lakes 1:10m · Natural Earth 1:10m/1:50m



Vector relief from a 0.08° DEM, 1:10m rivers, lakes and 58 German cities (labels for 500 k+), 16 federal states with borders and labels, seven labelled peaks – no contour strokes.