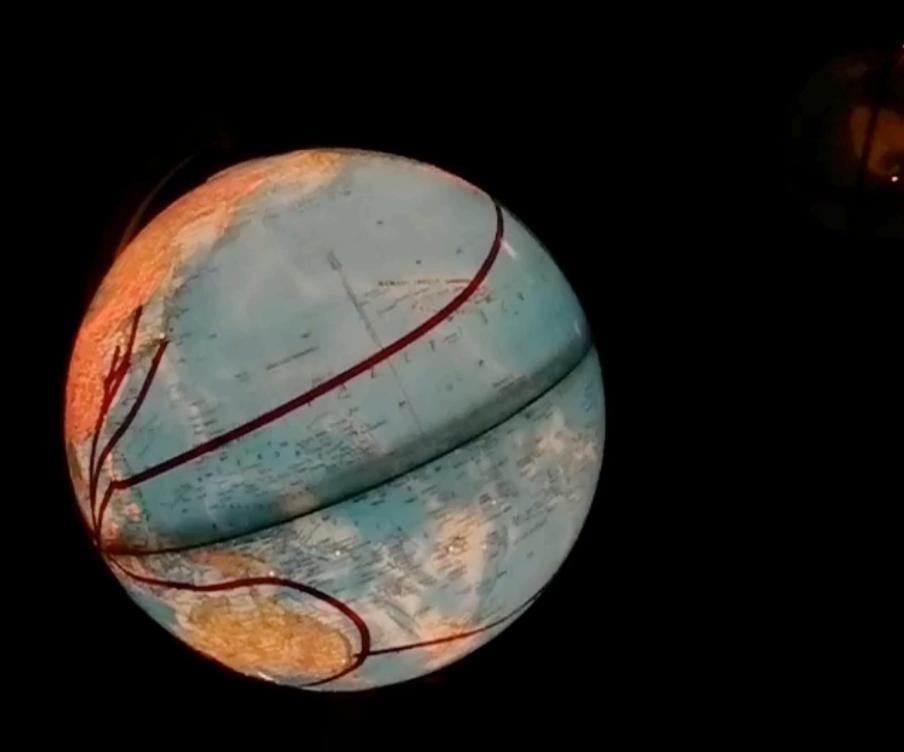
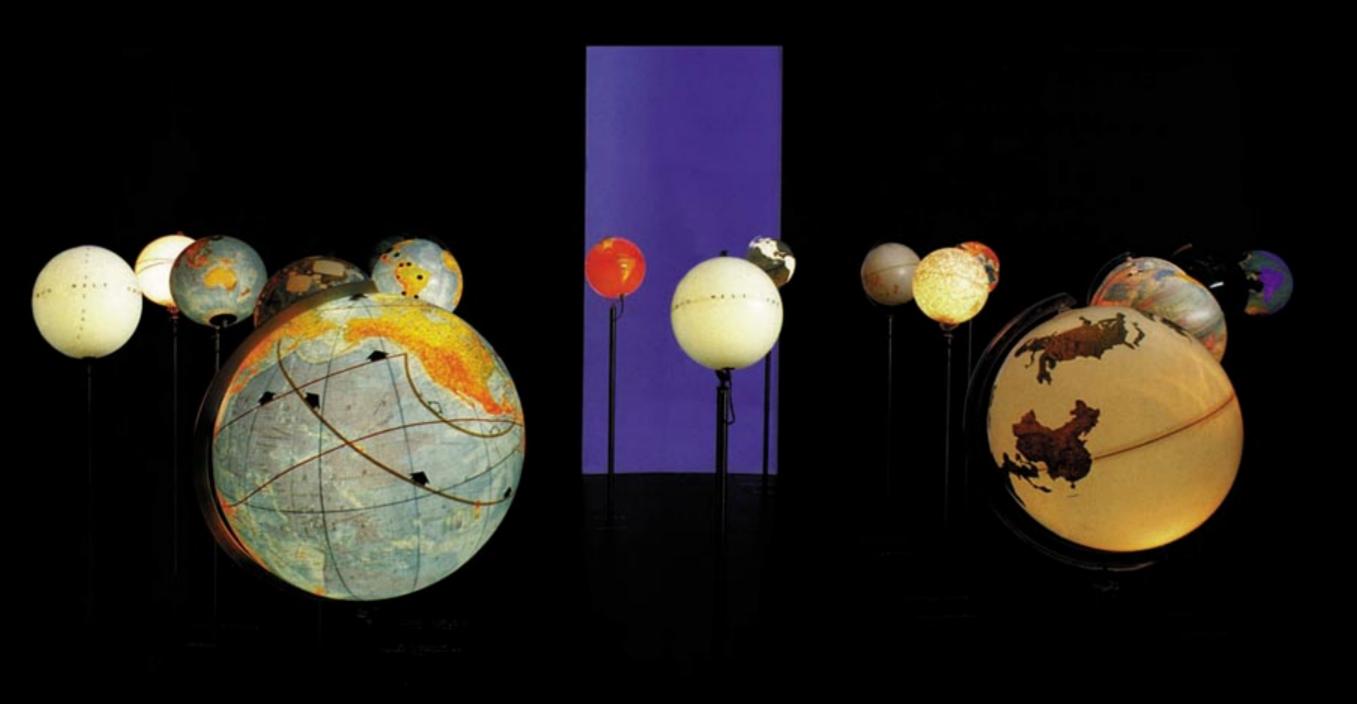


Japan vs World Worldprocessor powered by Geo-Cosmos (WP x GC)



World Processor 59 Sec. Catalogue





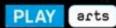




Fukuoka, Japan



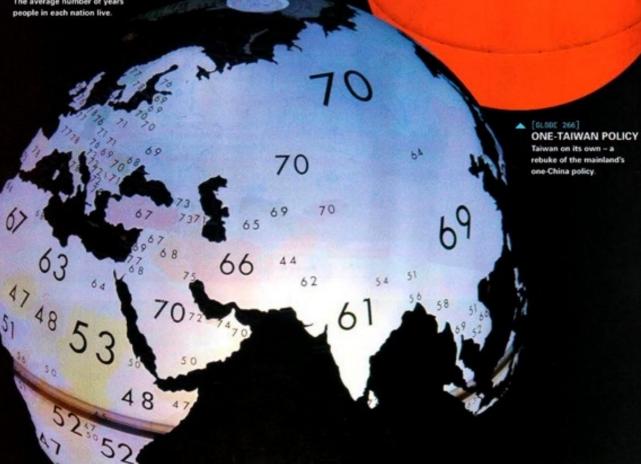




THINK GLOBALLY

Thomas Friedman says the world is flat. Ingo Günther proves otherwise. In his Worldprocessor series, the New York artist maps geosocial and scientific data from newspapers and NGOs onto 12-inch-diameter plastic globes. The result is part infographic, part networking diagram, part humanistic commentary. So far, Günther has crafted some 300 globes, more than a third of which go on display in August at Kyushu University in Japan. His biggest challenge? Keeping his worldviews up-to-date. Because the underlying statistics are always changing, Günther's work can be quickly rendered obsolete, so much so that he rarely sells it. "I once considered putting expiration dates on the pieces," he says. "I'd rather lease them and then retrieve them for updating." – Ken Taylor







◀ [GLOBE 175] ASTEROID IMPACTS

Points where celestial bodies have collided with Earth.

▲ [GLOBE 155]

COMPANY VS. COUNTRY

A nation whose GDP rivals a corporation's gross income adopts the company's name.

Example: Pakistan becomes Sony.

GLOSE 118] TIME ZONES

How the clock divides the globe



MOODY'S RATING
The lower a nation's
Moody's Investors Service
credit score, the darker
it appears, and some places
vanish entirely.

▲ [GLOBE 252] SATELLITE RADIO BROADCASTING FOOTPRINTS The coverage areas of WorldSpace satellites AfriStar and AsiaStar. √ [GLOSE 057] RING OF FIRE Selected fault lines and epicenters of earthquakes (5.0 or higher on the Richter scale).

WIRED + 08(2005 + 057

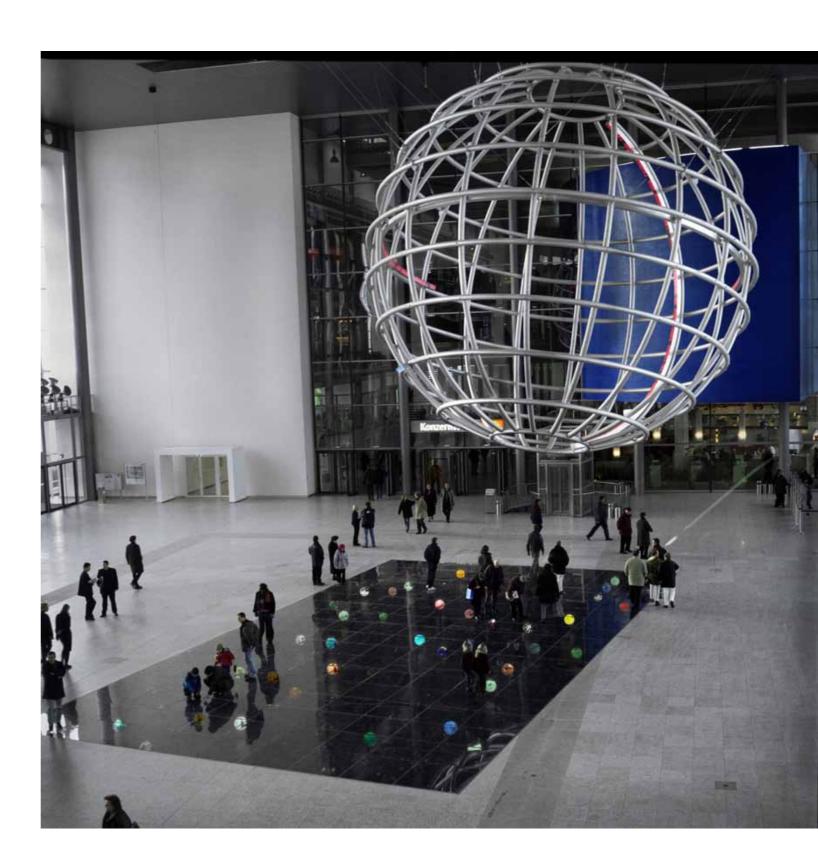






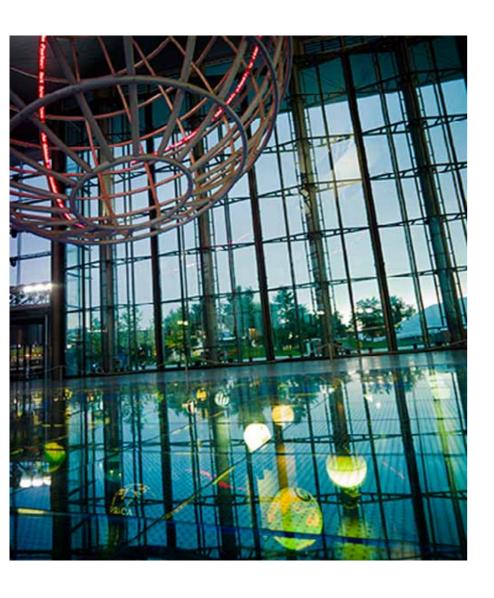
WORLD PROCESSOR / EXOSPHERE, WOLFSBURG, GERMANY

Ingo Günther's two-part work Exosphere and World Processor – Field of Globes sets the tone for visitors to the Autostadt complex. Exosphere is a 12 meter, 4.5 ton, aluminium wire frame globe at the scale of 1:1 million. The massive sphere is suspended - upside down from the ceiling. Inside but visible from the outside runs an LED banner listing historical achievements in mobility and quoting writers and artists on the subject of speed and movement. (In English, French and German) The outside of the globe sports a blue LED display with time and location data in Wolfsburg's geographical position. Below is the Field of Globes: An ever growing number of constantly updated Worldprocessor globes are slowly spinning beneath a 250 square meter glass floor. Visitors can walk on the 6.25 cm tempered glass. Trained guides explain the significance and data sources for each globe. Bi-lingual titles and captions are integrated along the side of this permanent installation.



WORLD PROCESSOR / EXOSPHERE, WOLFSBURG, GERMANY

At first glance, Ingo Günther's glowing globes exude an aura of times past; evoking libraries from the Age of Enlightenment when such globes were on the front lines of scientific discovery. A closer look reveals that Günther has overlaid his globes with current geosocial and scientific data collected from institutions, governments, and media sources around the world, raising issues of globalization as neutrally as possible. Ralf Beil in "Serious Games", catalogue, 2011.











WORLDPROCESSOR POWERED BY GEO-COSMOS, TOKYO, JAPAN

Since June 2011 Ingo Günther's Worldprocessor powered by Geo-Cosmos (WP [x] GC) segments are a permanent fixture at the museum and shown several times daily in compositions of different lengths. A derivative iteration in the form or a synchronized projection (Quadrilateral Planetarism, 12:10 min HD video) of the work has been generated in 2014. It premiered the same year in Berlin and is slated for future screenings and installations.



https://vimeo.com/95607550

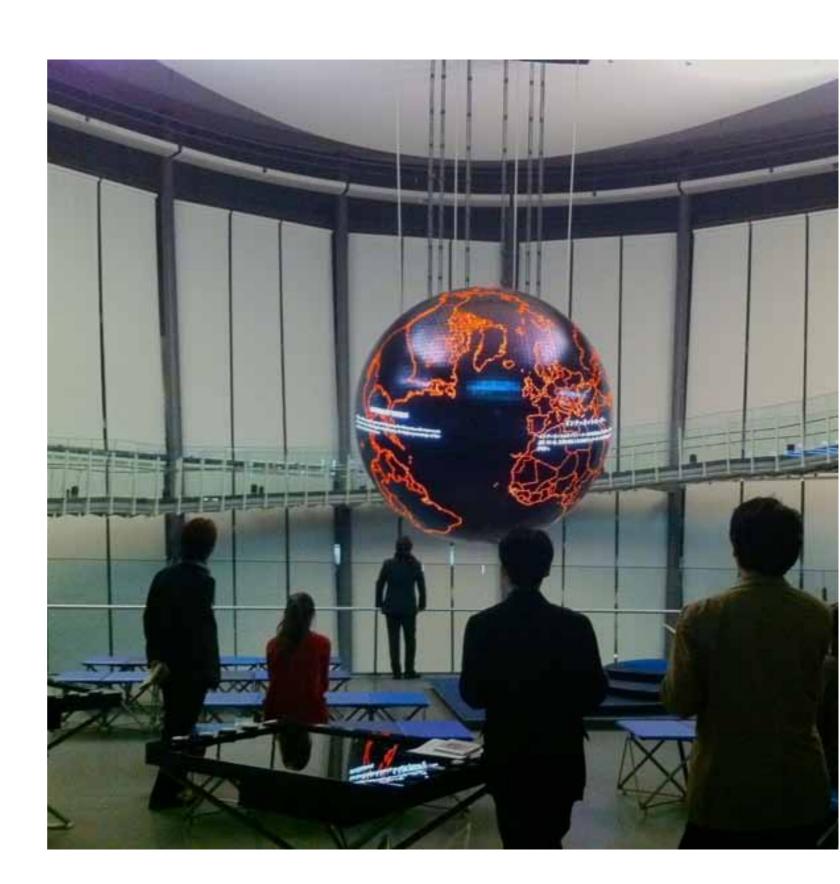


WORLDPROCESSOR POWERED BY GEO-COSMOS, TOKYO, JAPAN

Miraikan, located in Tokyo, is Japan's National Museum of Emerging Sciences and Innovation. Its emblematic centerpiece is a high resolution globe display of majestic proportions, called Geo-Cosmos.

This spherical screen is made from over 10,000 OLED elements, yielding an unprecedented 4K resolution - exceeding 10 million pixels. The screen measures 6 meter in diameter, the largest of its kind in the world.

While this display lends itself to off-the-shelf data sets showing the geo-physical world, mapping the planetary condition is the quintessential challenge. Translating and animating the 500-year-old geo-political globe representation presents unexpected challenges, not excluding audio, the perceptual horizon of a 360° audience, and the computation and choreography of movements on a center-less sphere.







WORLDPROCESSOR POWERED BY GEO-COSMOS, TOKYO, JAPAN

Ingo Günther's Worldprocessor project, being inspired by art, journalistic and scientific research was the ideal conceptual and content determined precedent for such an endeavor. He was commissioned in 2010 to produce a dynamic, narrative cinematographic iteration of Worldprocessor specifically for Geo-Cosmos. The result is a series of short super-high-resolution (4K) movies with narrative and auditive components for a 360° laterally and 90° vertically distributed audience. New narratives were introduced with temporary blurring, fades and audio lock-stepping of visual events. The globe format was subsequently updated as a medium and catalyst to conveys comprehensive data reality in the shape of intuitively accessible and comprehensive, memorable visuals.



https://vimeo.com/88322925





ENERGY CONSUMPTION AND GNP

Numerical percentages of world energy consumption are correlated with bar graphs indicating GNP (Gross National Product) figures measured by PPP (Purchase Power Parity) as opposed to currency per \$ exchange rate.



INTERNET USERS

The size of the respective national internet top-level domain code represents the number of users. The brighter the lettering, the higher percentage of the population with Internet access.



WORLD TRADE CURRENT

Divided into seven major trading areas, world trade currents vary widely between different regions and partners. The width of the current represents the volume of annual trade; the narrowest carry \$1-10 billion, while the widest carry \$600 billion or greater.

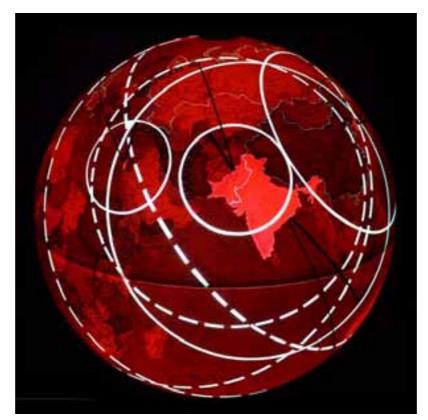


LIFE EXPACTANCY

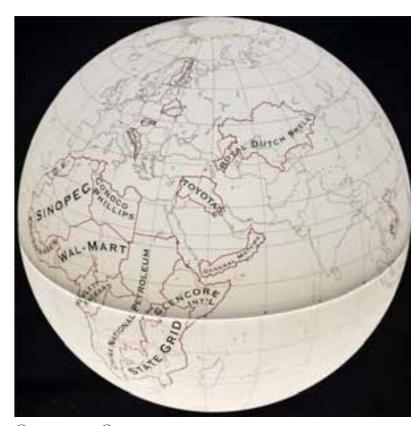
Life expectancy is a core factor in the Human Development Index. Japan has the highest life expectancy. More than thirty countries with the lowest life expectancies can be found in sub-Saharan Africa; here life expectancies average less than 52 years.

WORLD PROCESSOR

IN 1988, when the notion of globalism was barely in the air, Ingo Günther embarked on the World Processor project. He modified illuminated globes, often radically, sometimes subtly, to reflect the socio-economic and political changes impacting the entire planet. The project has continued to this day, with over 400 separate subjects covered and over 1,000 globes generated -many of which are in public collections, such as the World Economic Forum, Geneva, Kyushu University, Hiroshima City Museum, Obayashi Corporation, Tokyo, and Autostadt GmbH, Wolfsburg. Images of the Worldprocessor globes have appeared regularly on the cover of Japanese monthly magazine Foresight. While the information represented on the globes are journalistically and scientifically accurate representations of the data available at that time, the conceptual and data visualization techniques are informed by the artistic practice and intention to "give shape and form to the unspeakable"



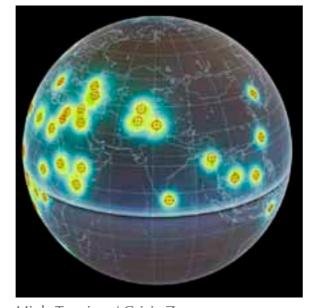
Nuclear Range



Country vs. Company



Submarine Fiber-optic Network



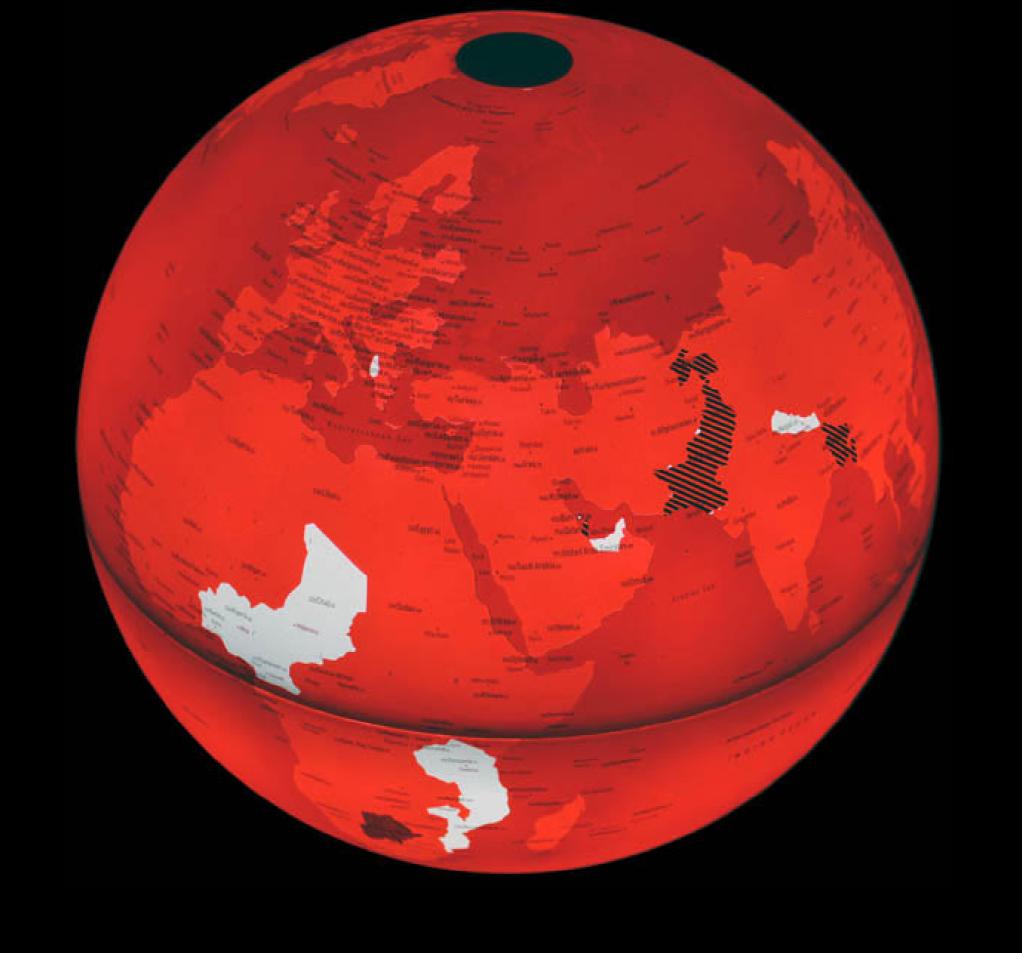
High Tension / Crisis Zones



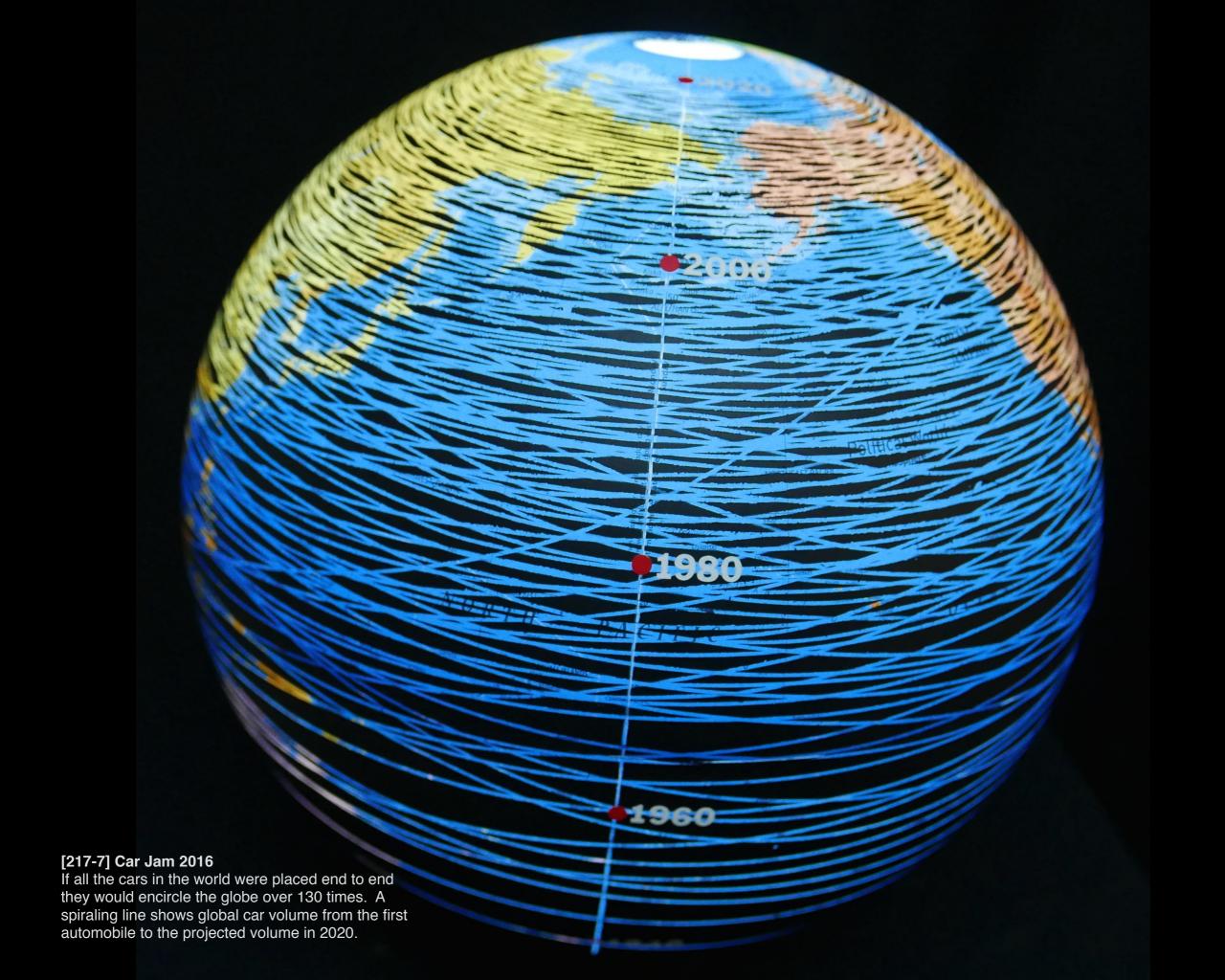
Refugee Currents

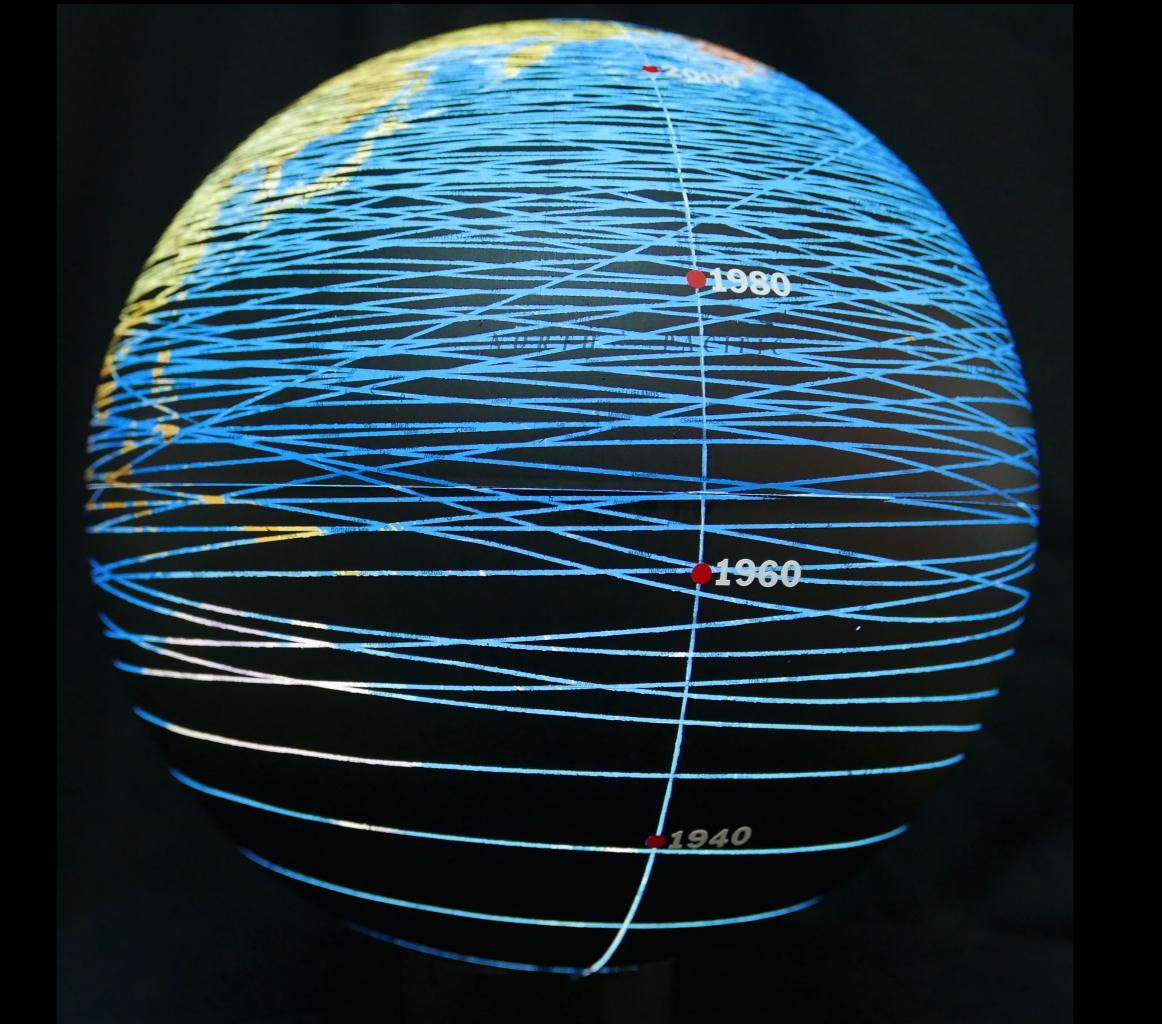


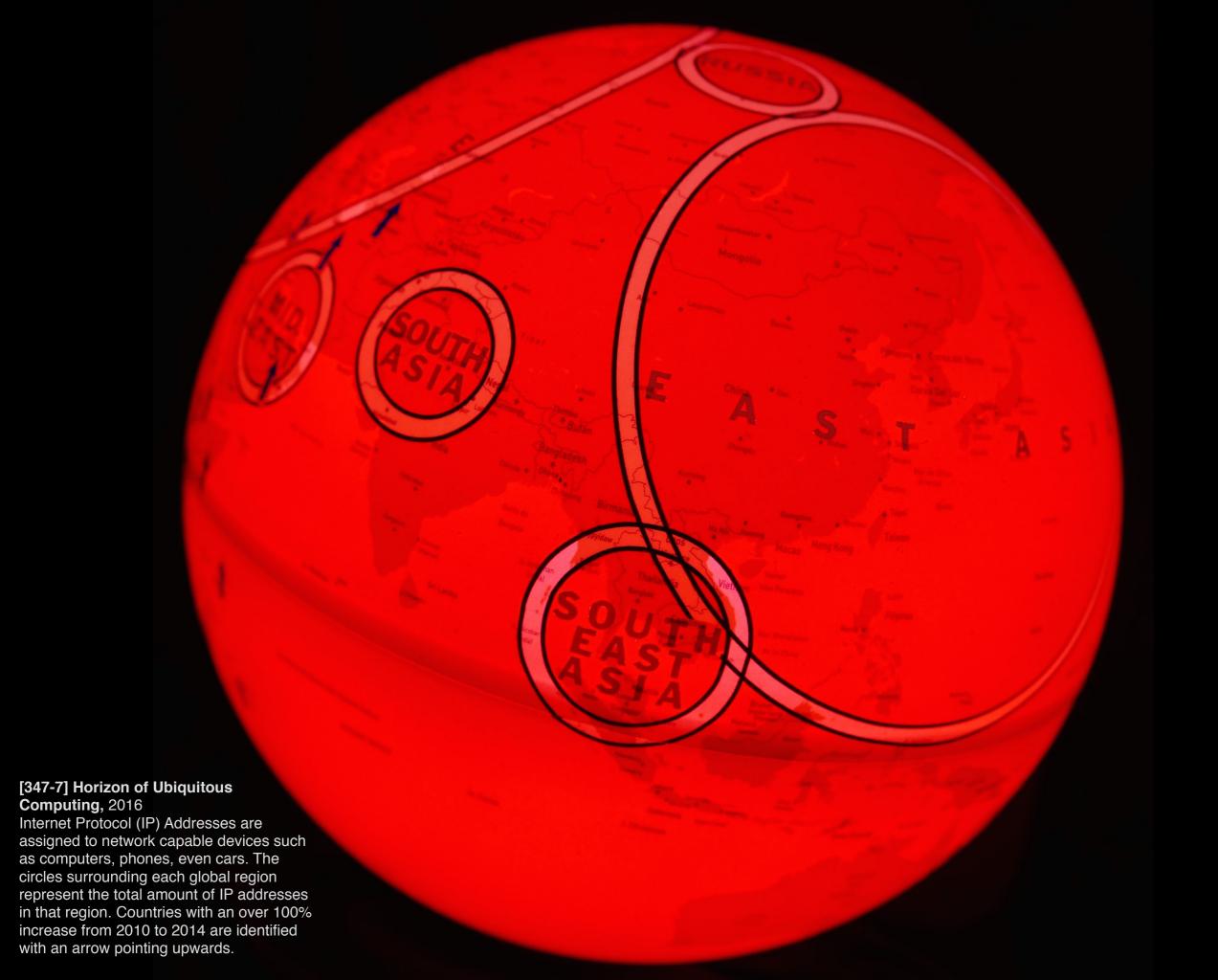
Oil Supply Routes

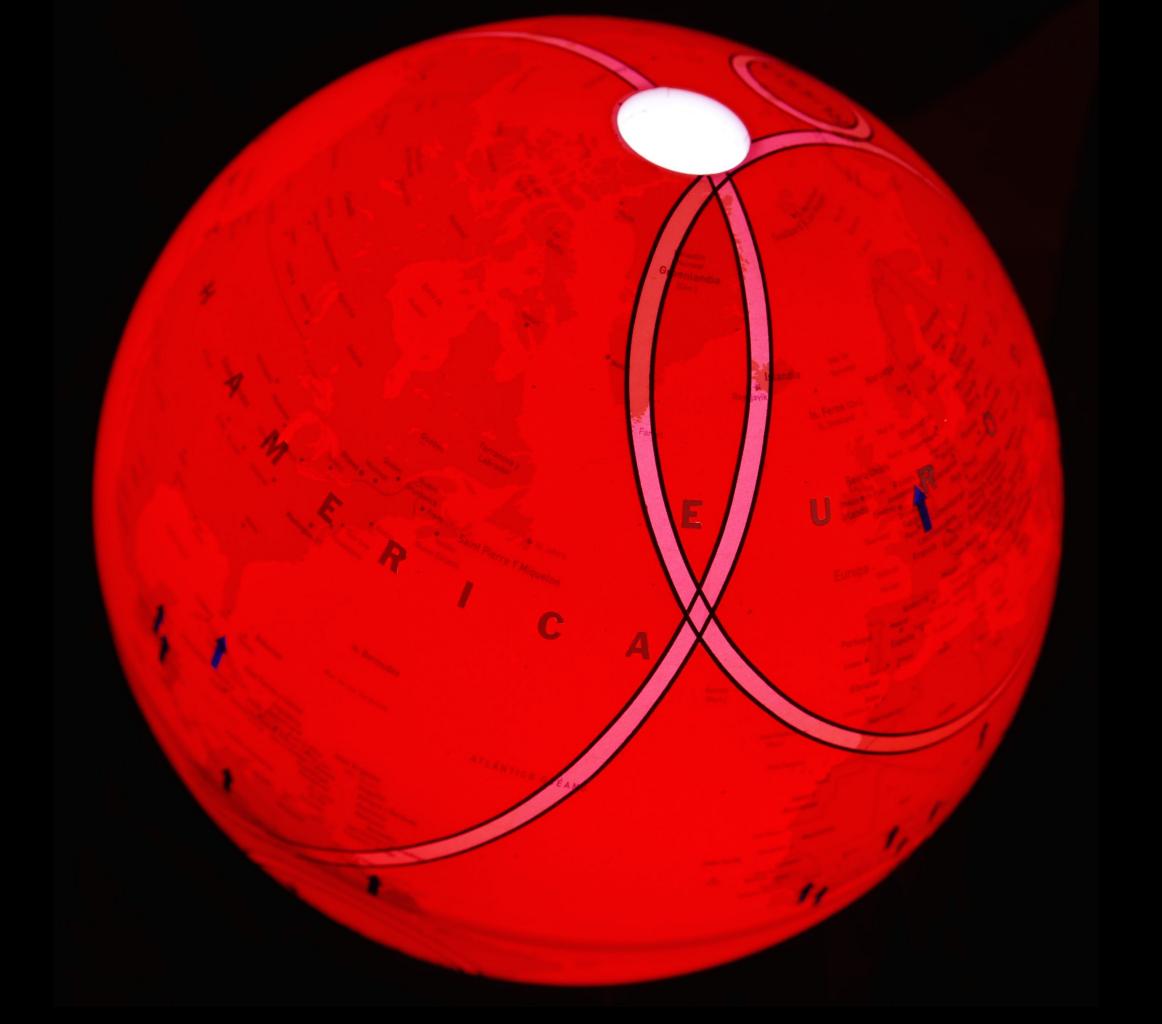


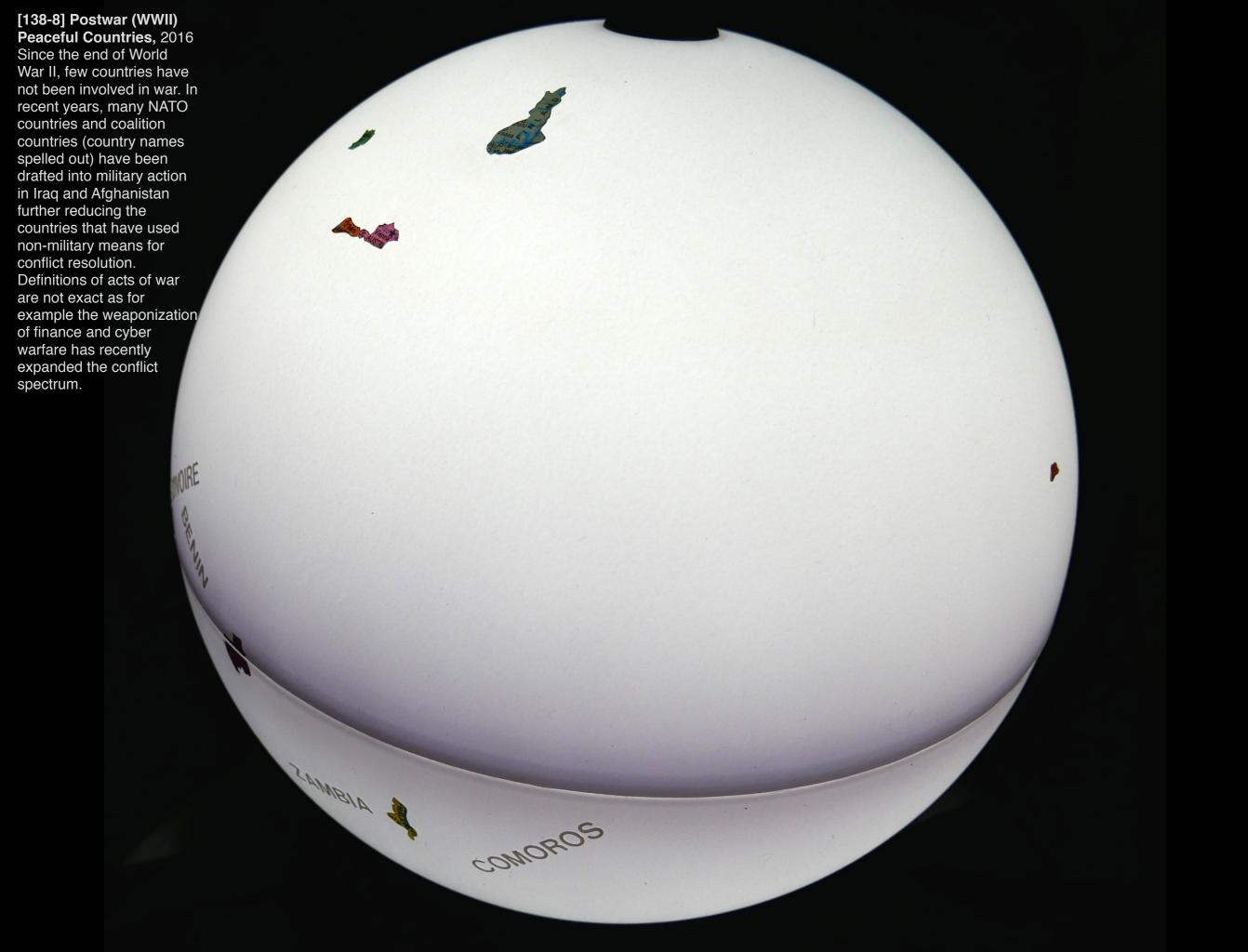
[377] Life Expectancy: Male Vs. Female



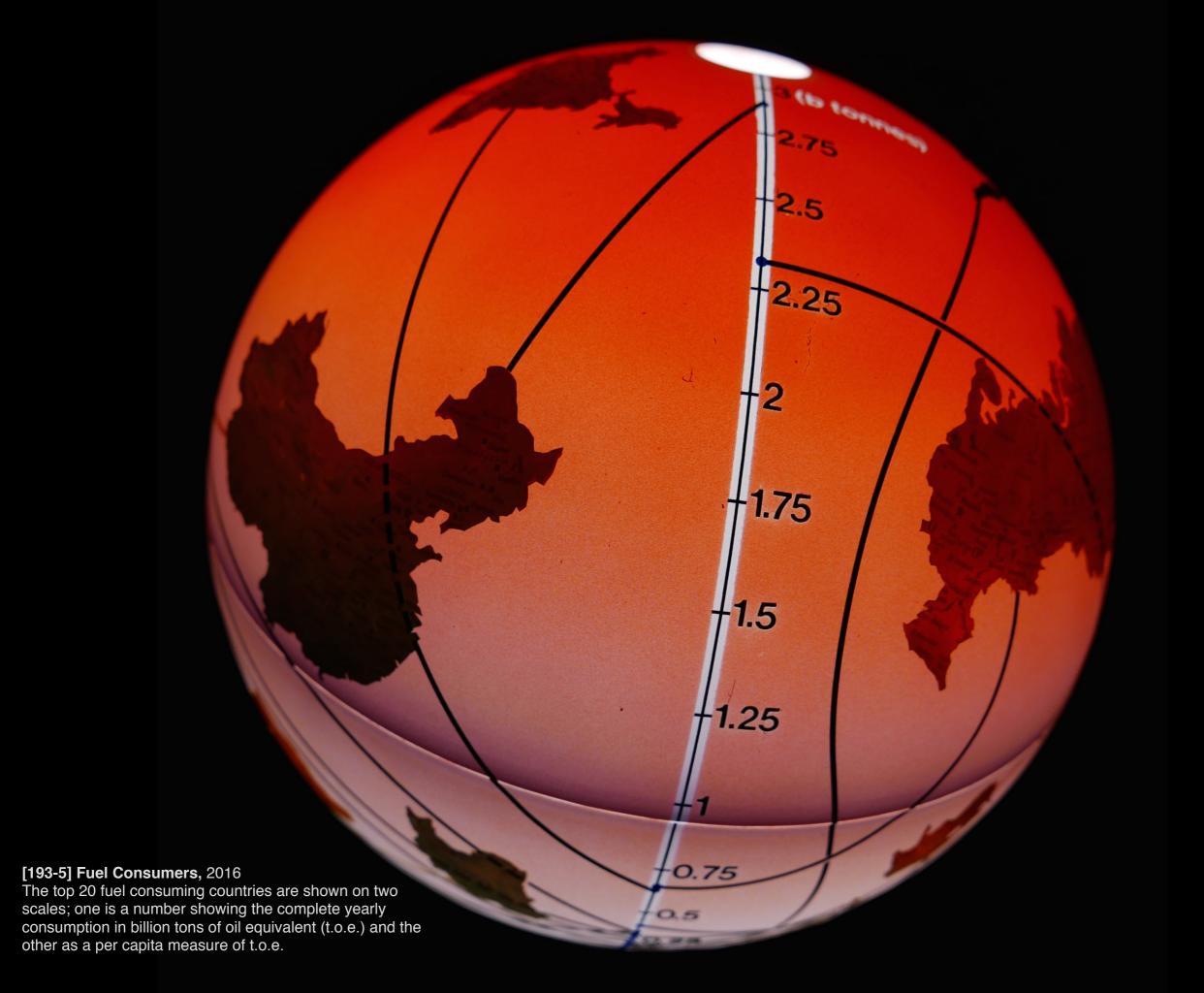


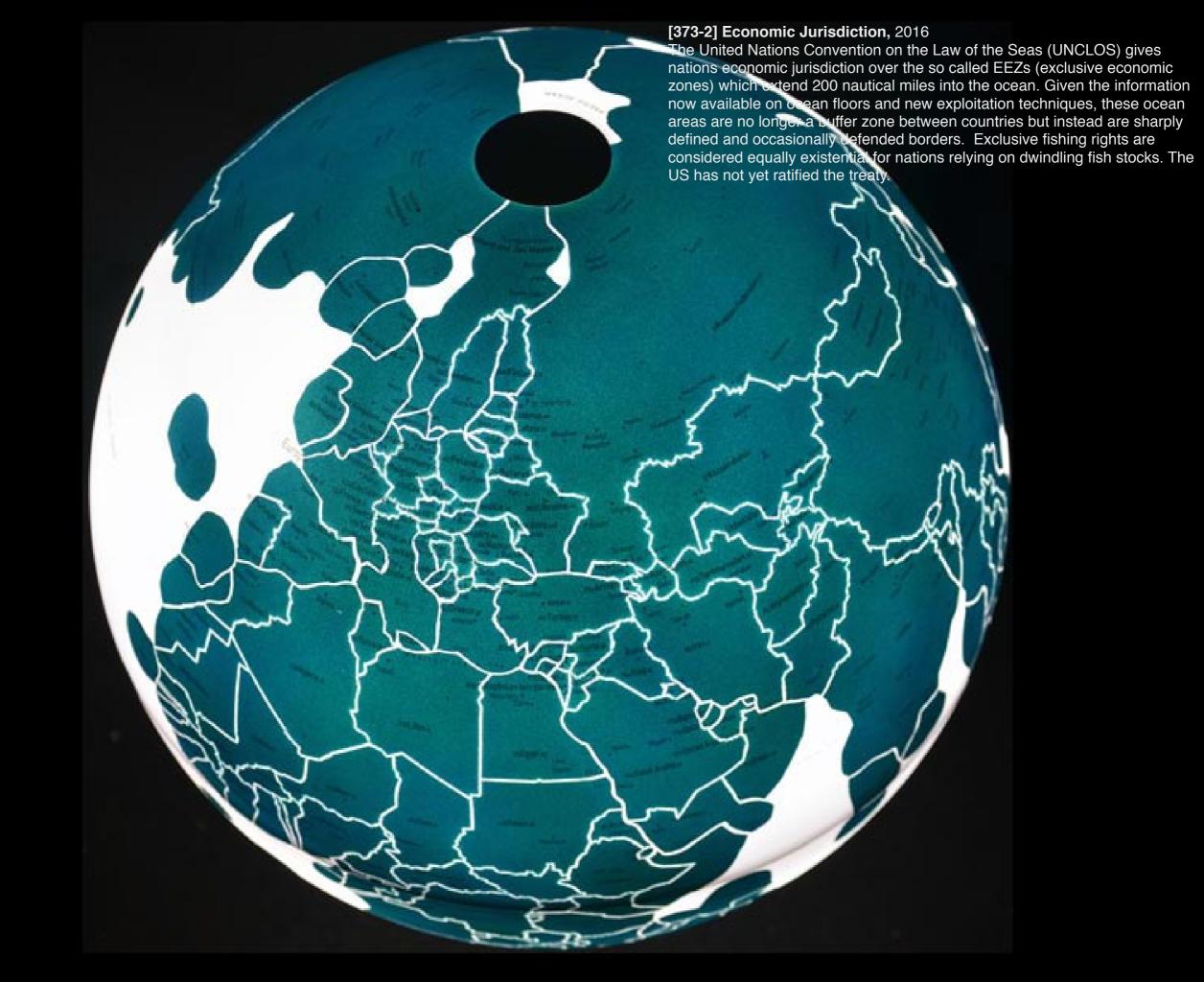




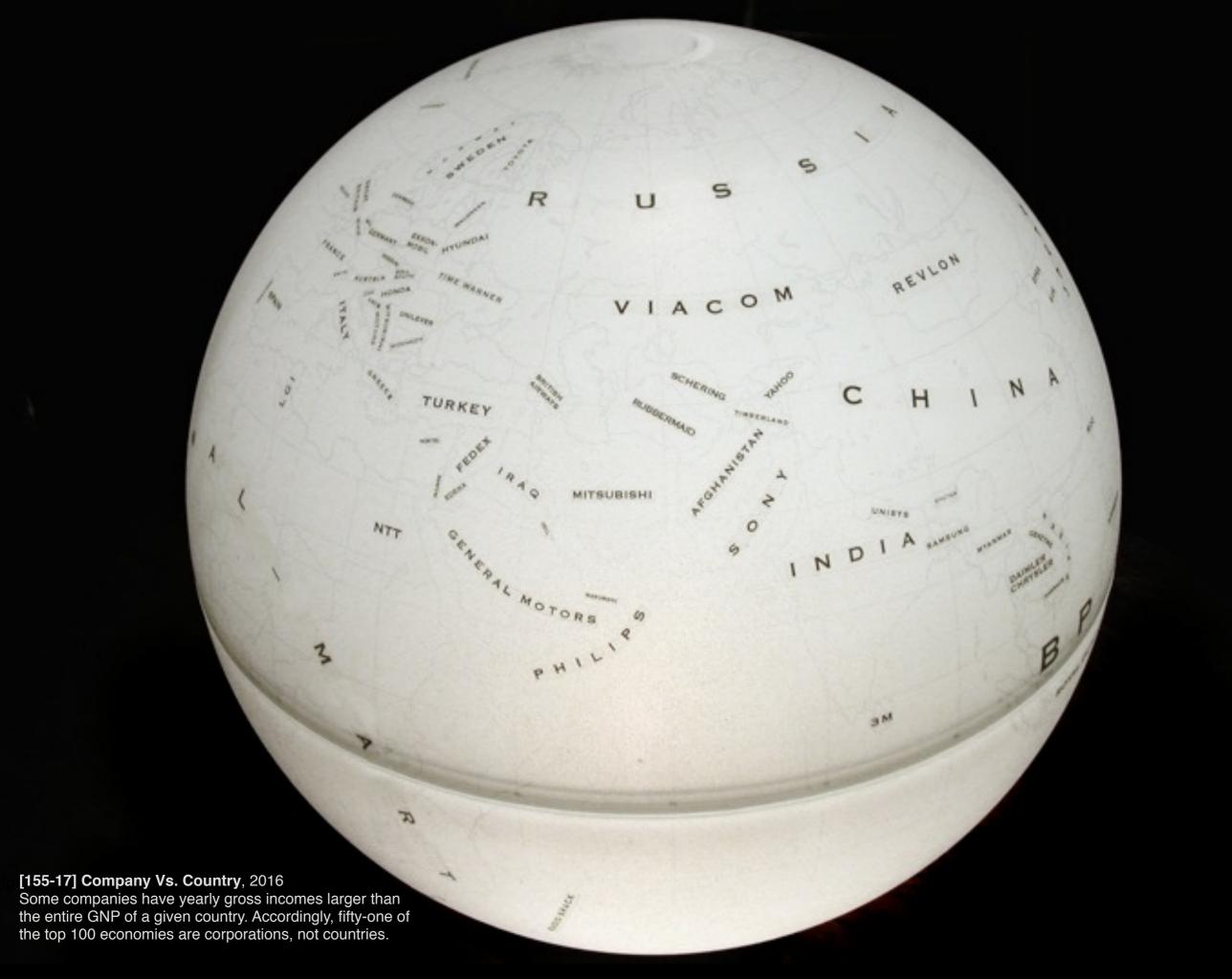


JAPAN















BIG BANG DATA, BARCELONA, MADRID, BUENOS AIRES





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