

Mapping

“Maps are not *copies*; they are *projections*”

“Projections are not neutral, natural or ‘given’; they are constructed, configured, underpinned by various - and quite arbitrary - conventions.”



Mercator projection of the world between 82°S and 82°N. (https://commons.wikimedia.org/wiki/File:Mercator_projection_SW.jpg)

What does the Mercator mode of projection privilege?

- #zenithal
- #gnomonic
- #stereographic
- #orthographic
- #globular
- #conical
- #cylindrical
- #sinusoidal

Geography:

First coined by Eratosthenes (c. 276 BCE to c. 195 BCE), in Greek it literally means "writing about the earth."



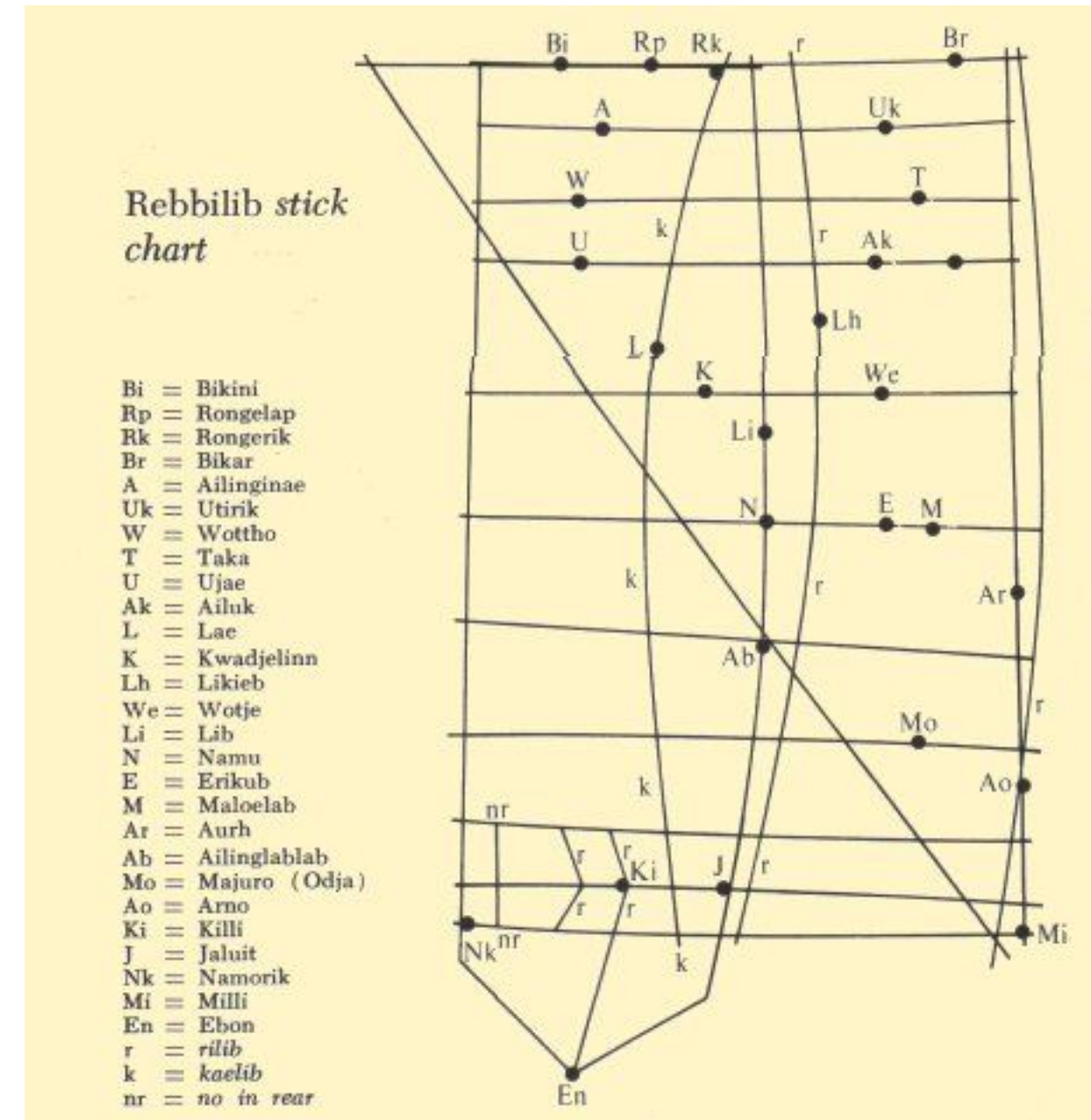
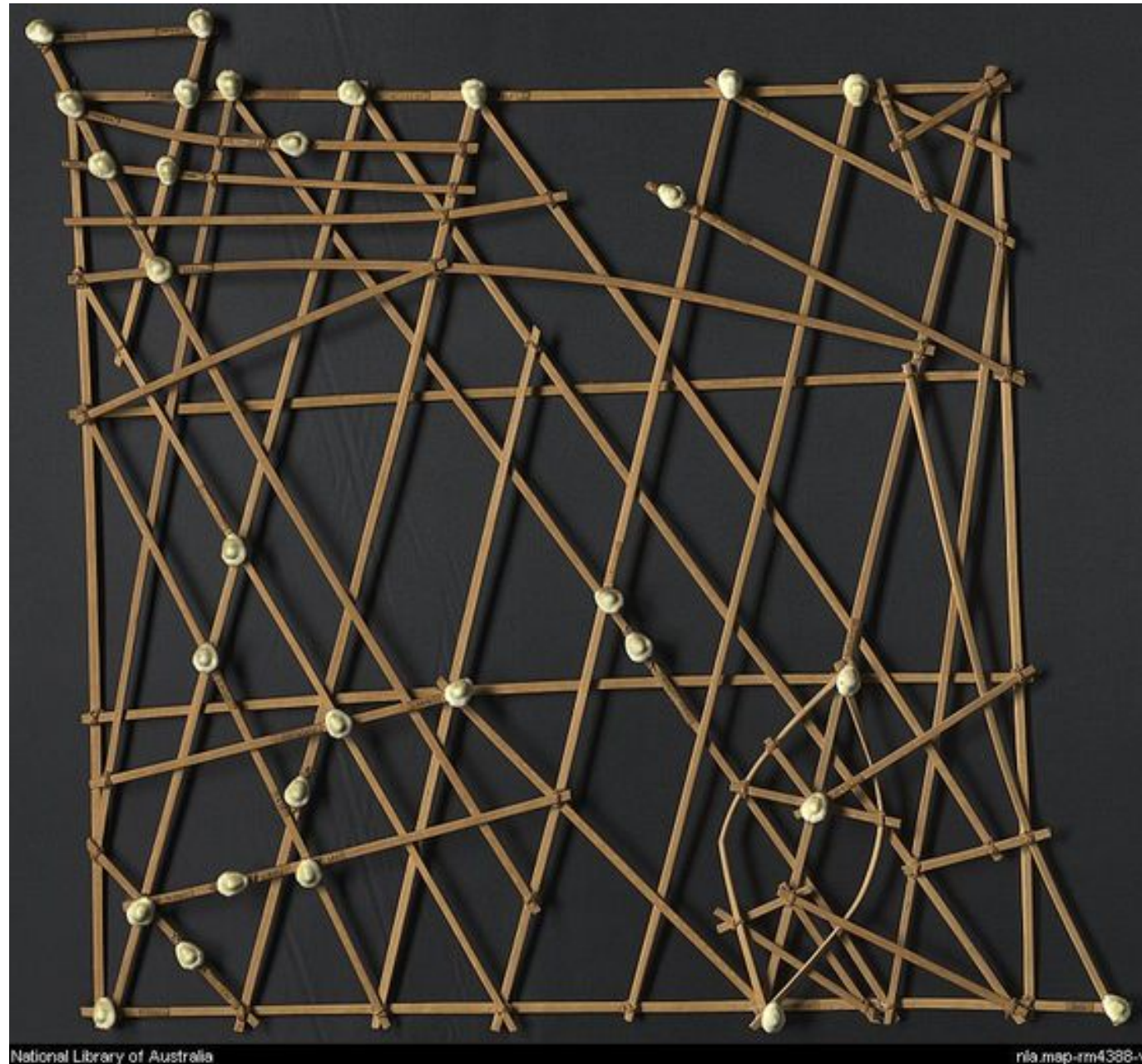
Blaque 1. Core A. Detalle

A stone tablet found in a cave in Abauntz in the Navarra region of northern Spain is believed to contain the earliest known representation of a landscape.





Abu Abdullah Muhammad al-Idrisi al-Qurtubi al-Hasani as-Sabti. 1154. The Nuzhat al-mushtāq fi'khtirāq al-āfāq Idrisi



Polynesian Stick Chart - navigational (nautical) map



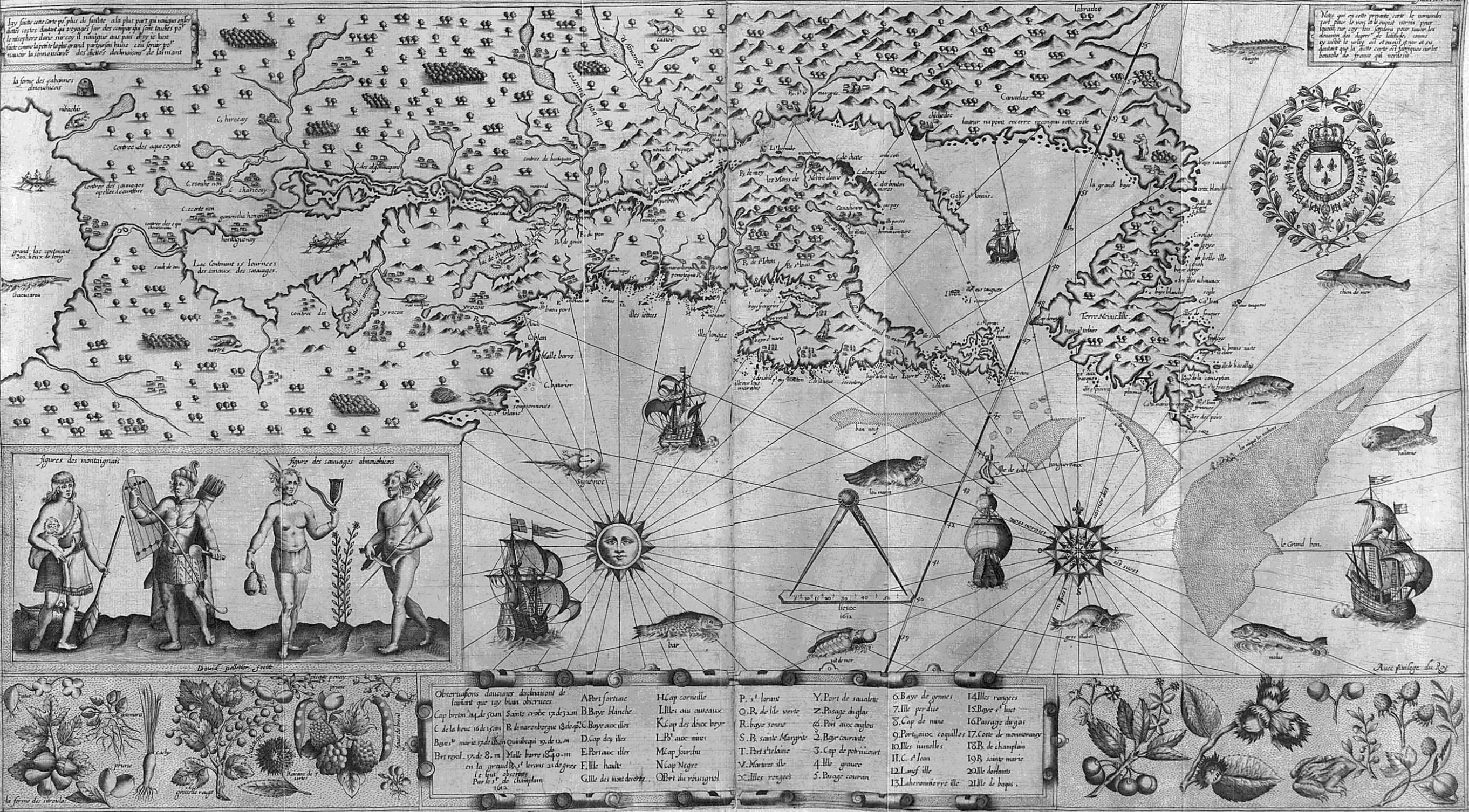
Carved wooden coastal charts (shoreline mapping) by Greenland Inuit

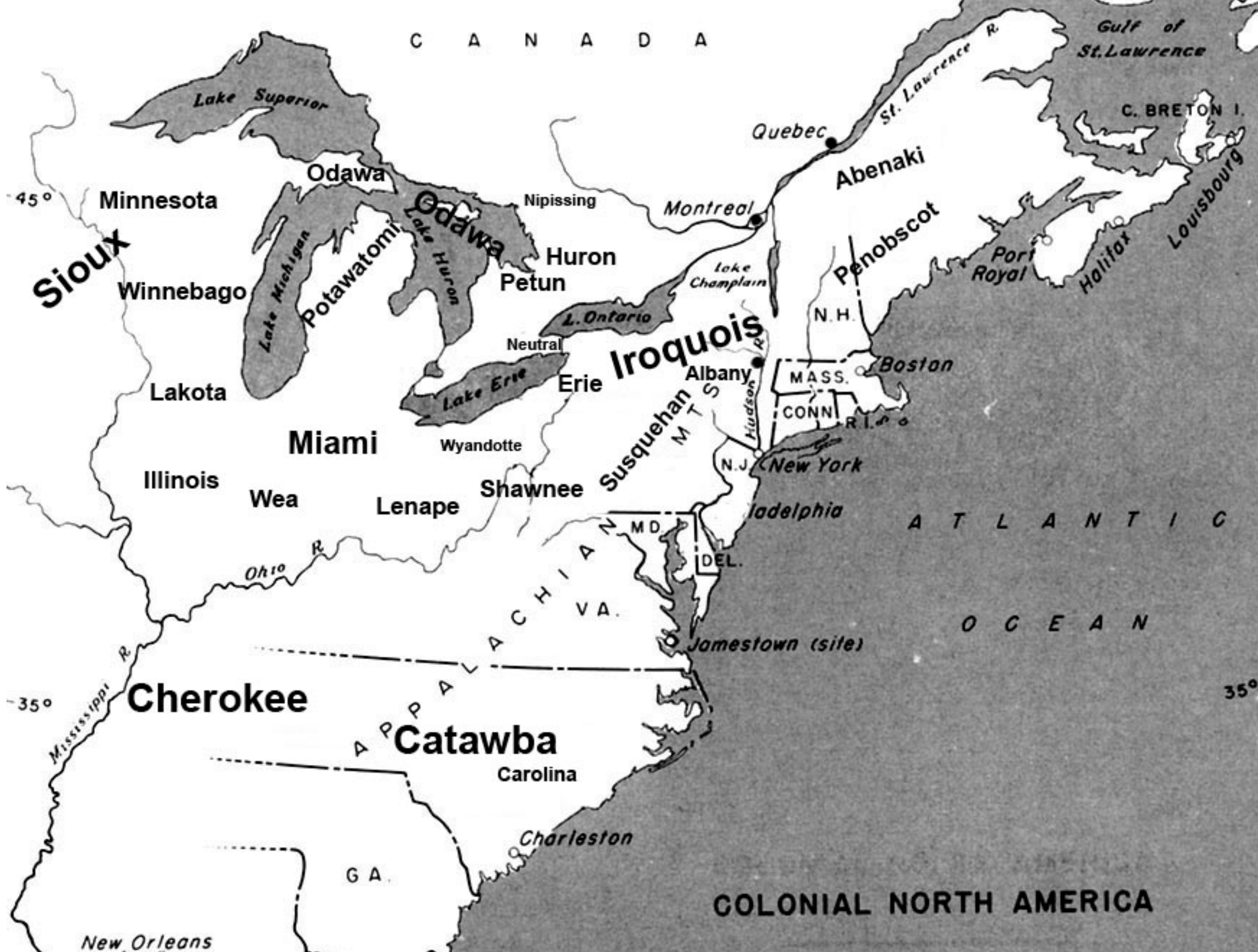
Colonisation, War, And Tourism

CARTE GEOGRAPHIQUE DE LA NOUVELLE FRANSE FAICTTE PAR LE SIEVR DE CHAMPLAIN SAINT TONGOIS CAPITAINE ORDINAIRE POUR LE ROY EN LA MARINE. fait l'an 1613.

Il y a une carte plus de futilité, ala plus part qui naquis en la
 l'atmosphère d'air sur coy il naquis au pas de y le huc
 fait comme la petite l'aple grand partisen huc. ceu fover po
 rnaue la comoune des d'ictes dechaine de laimant

Nous qui en cette présente, carte le nomades
 port, pour le roy le d'ictes, pour
 l'aple, sur coy, les fover, pour saue les
 deuant des d'ictes de l'atmosphère, comme
 ex solent le vray, et est aussi enu et au
 d'ictes que la d'ictes carte est d'ictes sur les
 bouelle de fover qui naquis





C A N A D A

Gulf of St. Lawrence

C. BRETON I.

Louisbourg

Halifax

Port Royal

Abenaki

Penobscot

N.H.

MASS.

CONN.

R.I.

Quebec

Montreal

Lake Champlain

Nipissing

Huron

Petun

L. Ontario

Neutral

Erie

Lake Erie

Wyandotte

Odawa

Odawa

Potawatomi

Lake Michigan

Lake Superior

Minnesota

Winnebago

Lakota

Miami

Illinois

Wea

Lenape

Shawnee

Susquehanna Mts

Albany

Boston

New York

Philadelphia

Jamestown (site)

MD.

DEL.

VA.

APPALACHIAN

Cherokee

Catawba

Carolina

Charleston

G.A.

COLONIAL NORTH AMERICA

New Orleans

45°

35°

35°

A T L A N T I C

O C E A N





Pan Inuit Trails, cited in Michael Bravo, 'The Postcolonial Arctic', *Moving Worlds* Vol 15(2) pp93-110 (Leeds; Singapore, 2015)

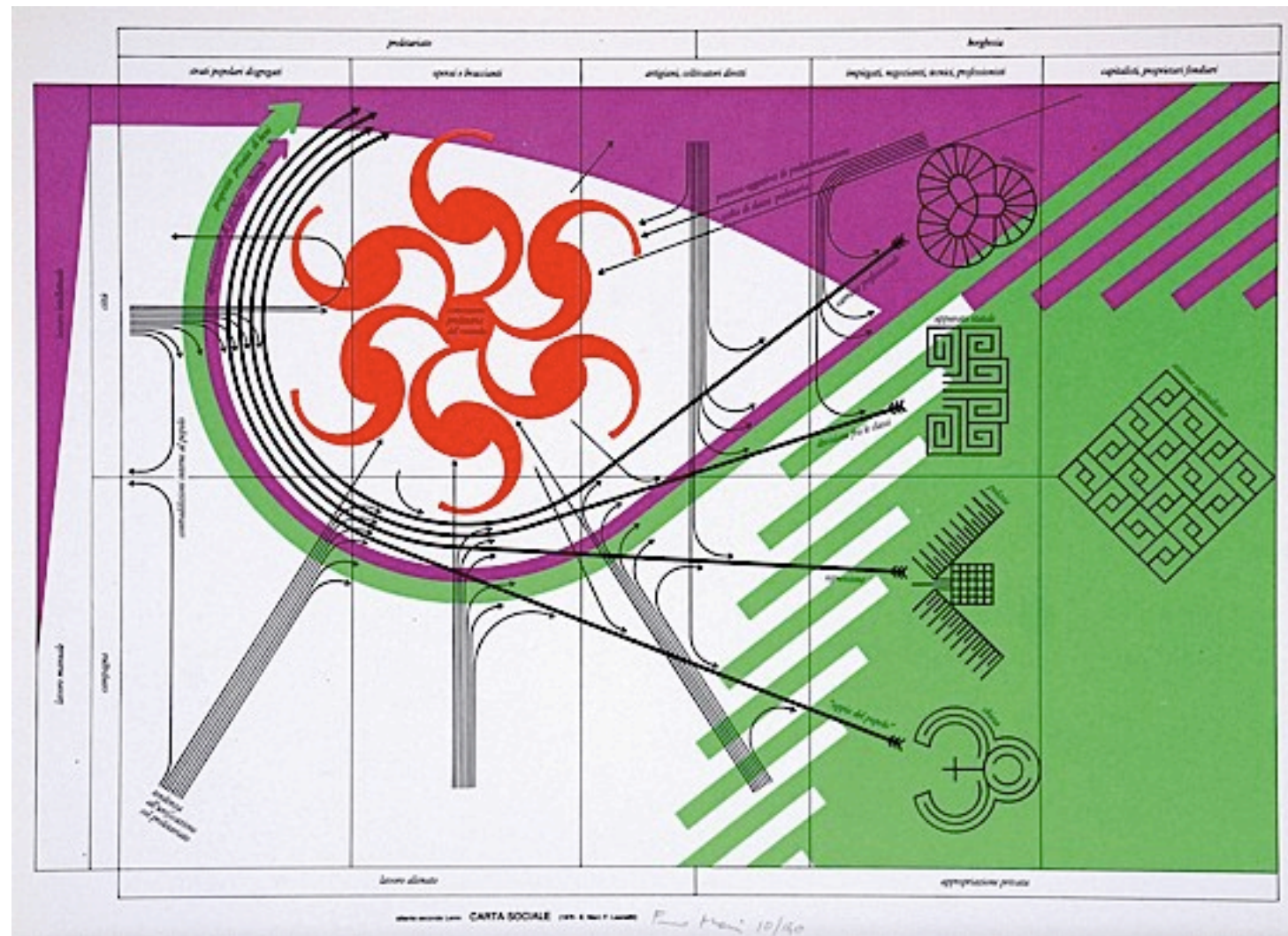


"A Balloon Prospect from Above the Clouds" from Thomas Baldwin's "Airopaidia."
(<https://archive.org/details/Airopaidia00Bald>)

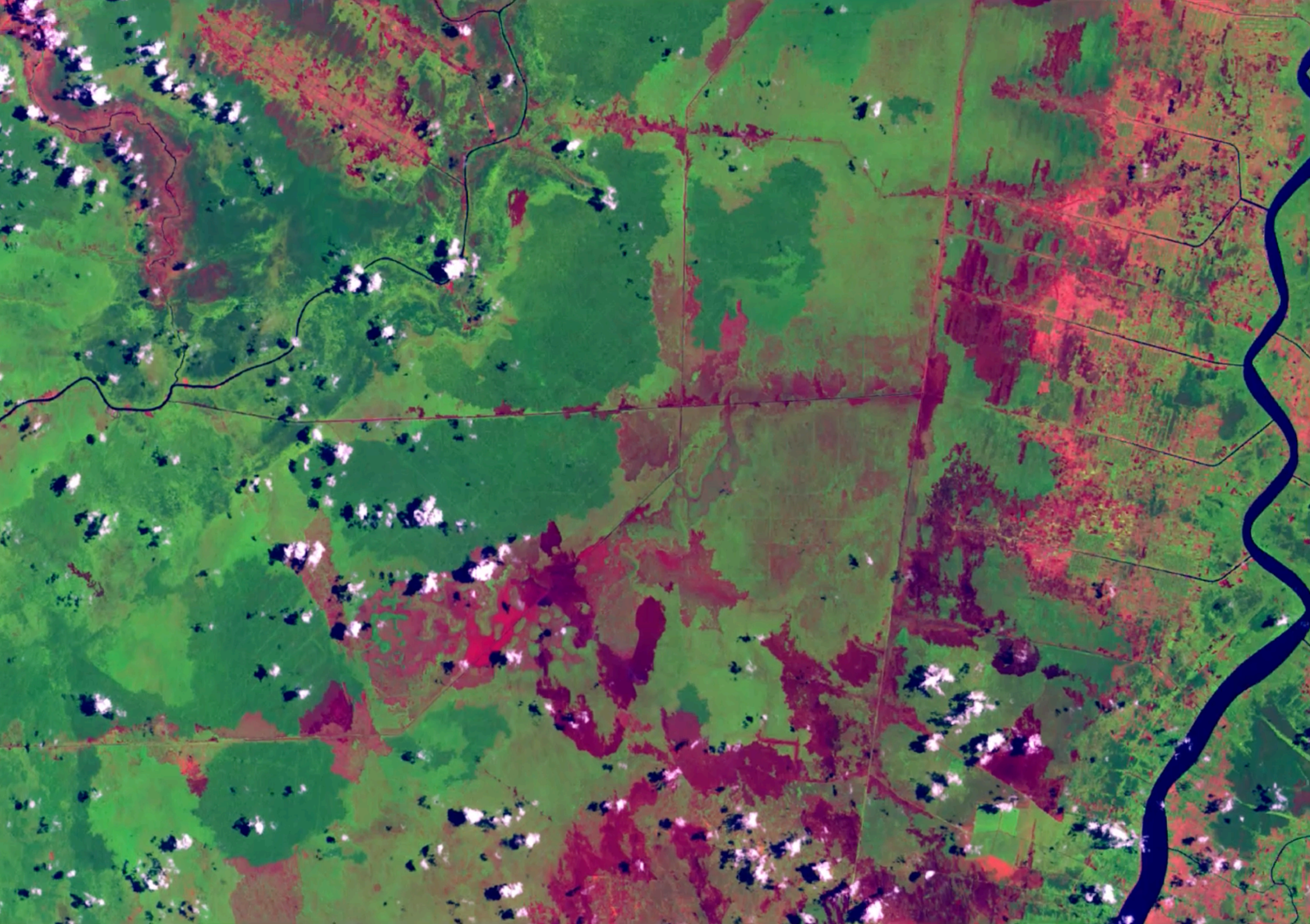
A BALLOON PROSPECT from ABOVE the CLOUDS see page III c.
Published May 1st 1786, by T. Baldwin Chester.

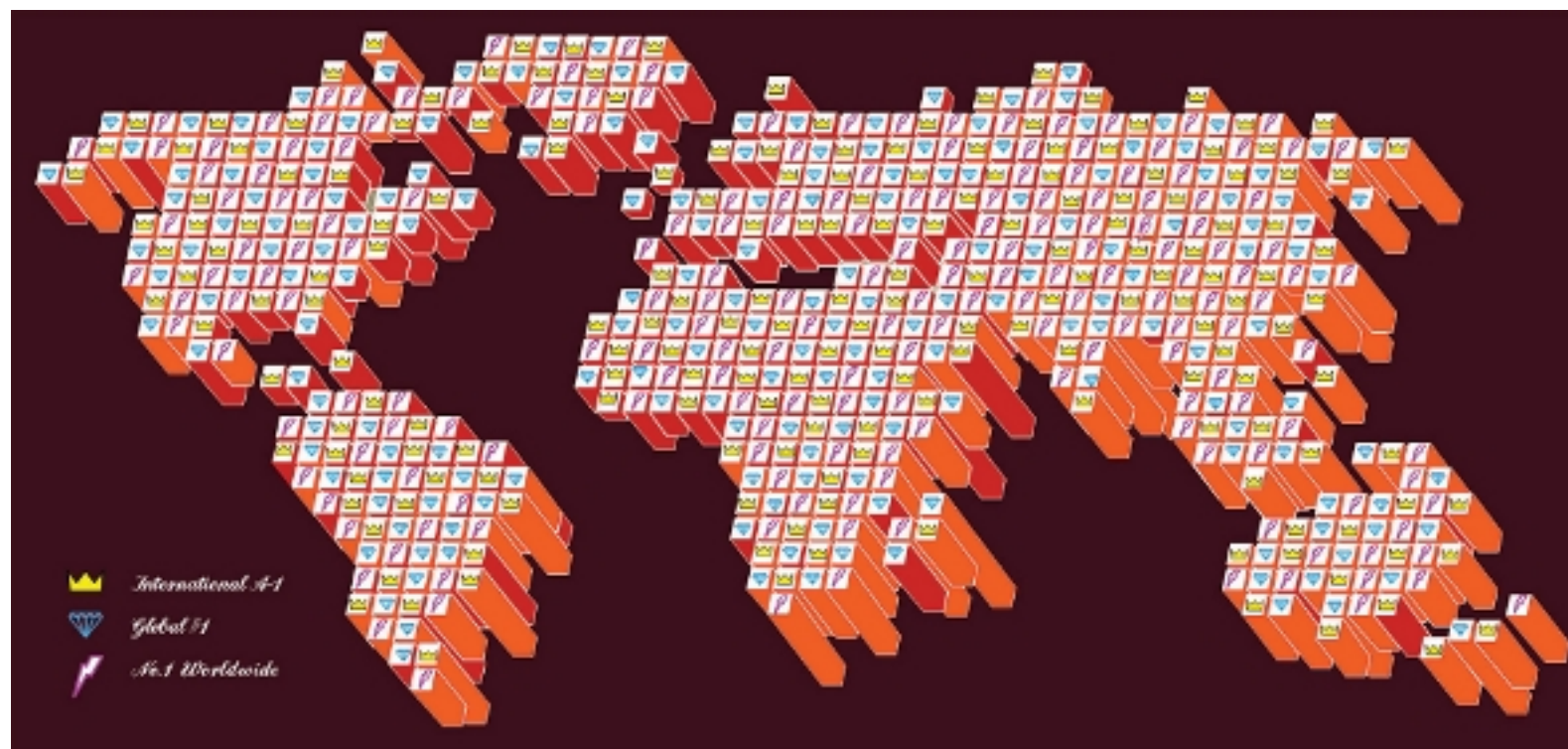
What is the purpose of a map?

Some mapping project examples



Carte storiche by Enzo Mari (1976)





The Product Space

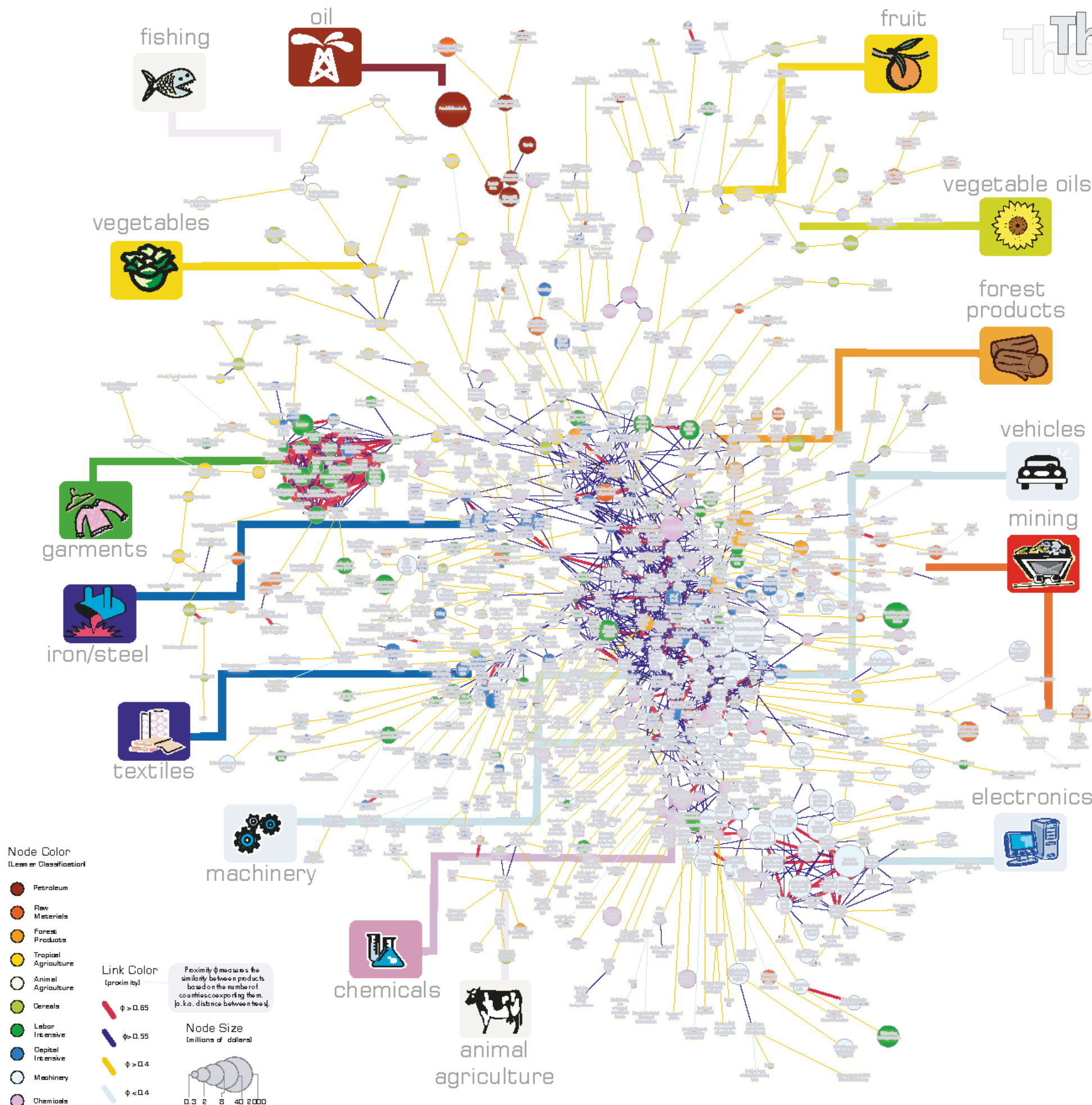
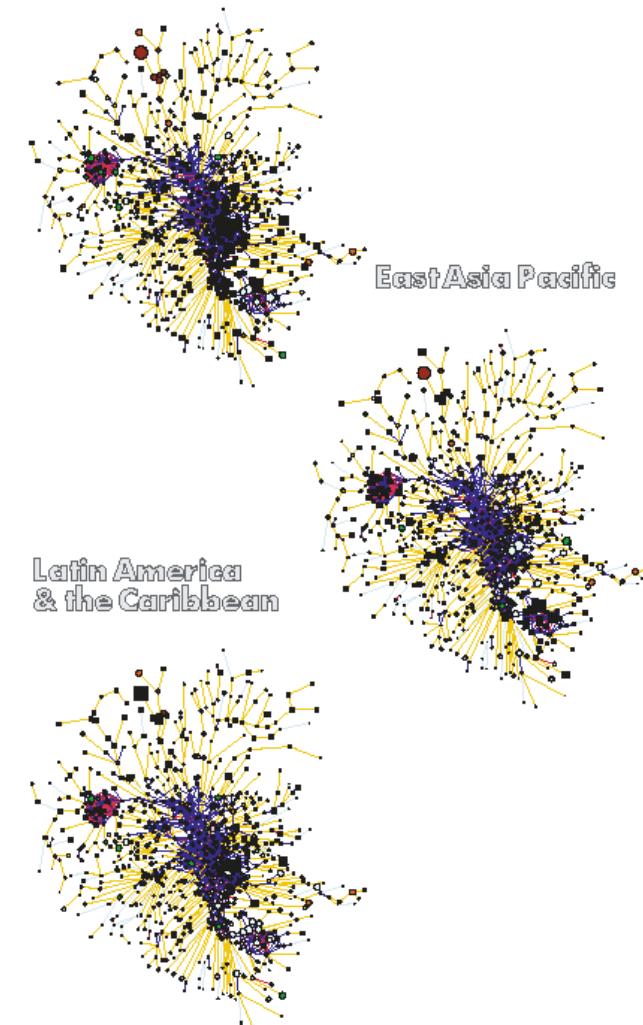
"Think of a product as a tree and the set of all products as a forest. A country is composed of a collection of firms, i.e., of monkeys that live on different trees and exploit those products. The process of growth implies moving from a poorer part of the forest, where trees have little fruit, to better parts of the forest. This implies that monkeys would have to jump distances, that is, redeploy (human, physical, and institutional) capital toward goods that are different from those currently under production. Traditional growth theory assumes there is always a tree within reach; hence, the structure of this forest is unimportant. However, if this forest is heterogeneous, with some dense areas and other more deserted ones, and if monkeys can jump only limited distances, then monkeys may be unable to move through the forest. If this is the case, the structure of this space and a country's orientation within it become of great importance to the development of countries."

Hidalgo et al. *Science* 317: 482-487

Patterns of Comparative Advantage

■ Indicate relevant exports (where a region's monkeys are located)

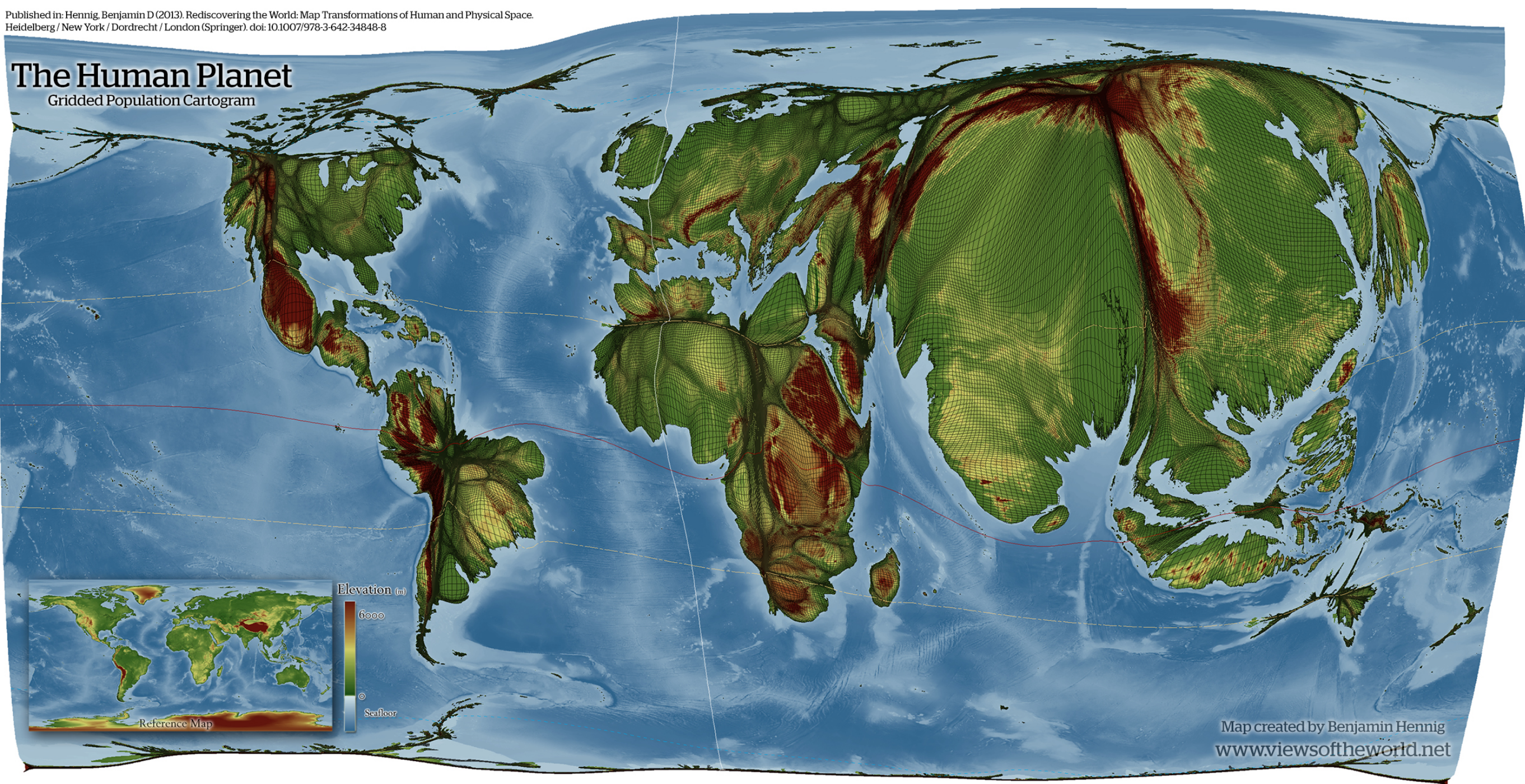
Industrialized Countries



Product Space, by César Hidalgo (2007)

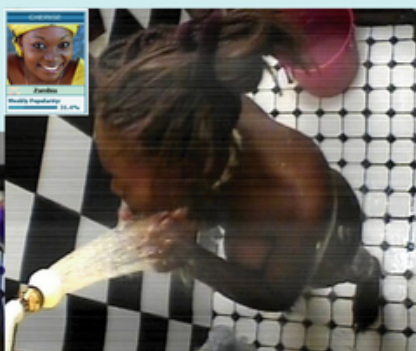
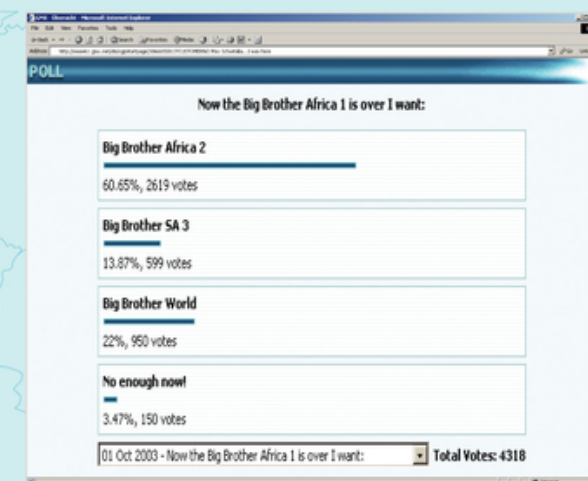
The Human Planet

Gridded Population Cartogram

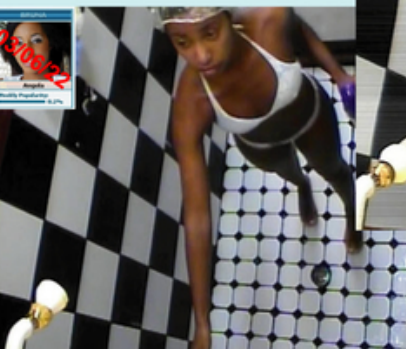


Big Brother

To watch the contestants of "Big Brother Africa" an estimated 30-million people in 46 countries tuned in every day. 12 participants from different African nations joined together 106 days in a house in South Africa. For the first time since this reality soap started out in Holland in 1999, people from more than one country took part and communicated in a foreign language - English. Paradoxically almost in all member states of the united Europe this live event had happened, but the divided Africa, a continent with the most civil wars and neighboring conflicts was the first to show real unification on this cultural level

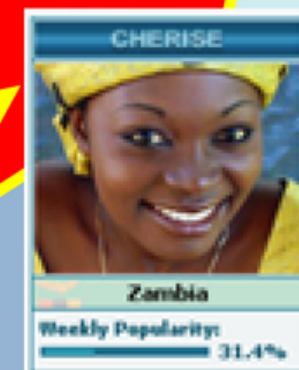


"For your eyes only"
Cherise Makubale, Zambia
Procurement Officer, **BBA Winner**



"You're not going to see my lalas!"
Bruna Estevão, Angola
Model, **first BBA Evictee**.

WINNER!



CHERISE
Zambia
Weekly Popularity: 31.4%



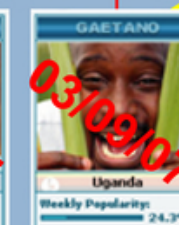
WARONA
Botswana
Weekly Popularity: 4.5%



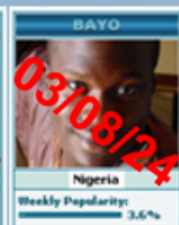
TAPUWA
Zimbabwe
Weekly Popularity: 10.1%



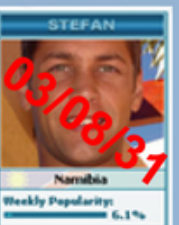
MWISHO
Tanzania
Weekly Popularity: 17.1%



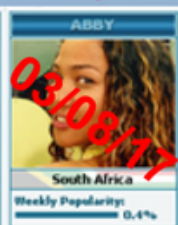
GAETANO
Uganda
Weekly Popularity: 24.3%



SAYO
Nigeria
Weekly Popularity: 3.6%



STEFAN
Namibia
Weekly Popularity: 6.1%



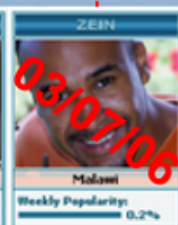
ABBY
South Africa
Weekly Popularity: 0.4%



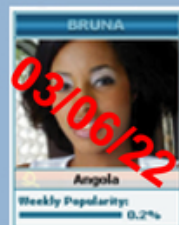
SAMMI
Ghana
Weekly Popularity: 0.9%



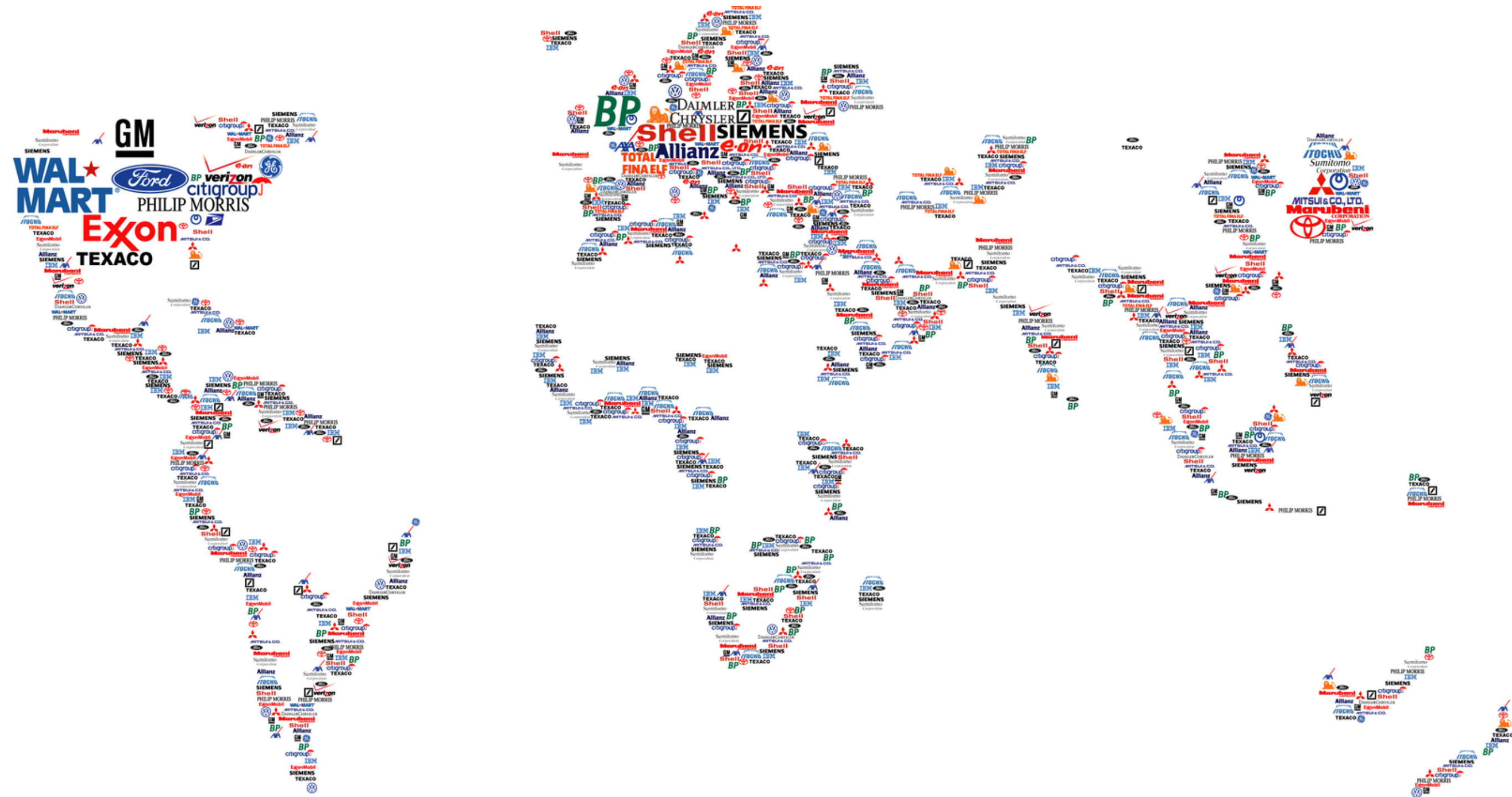
ALEX
Kenya
Weekly Popularity: 0.8%

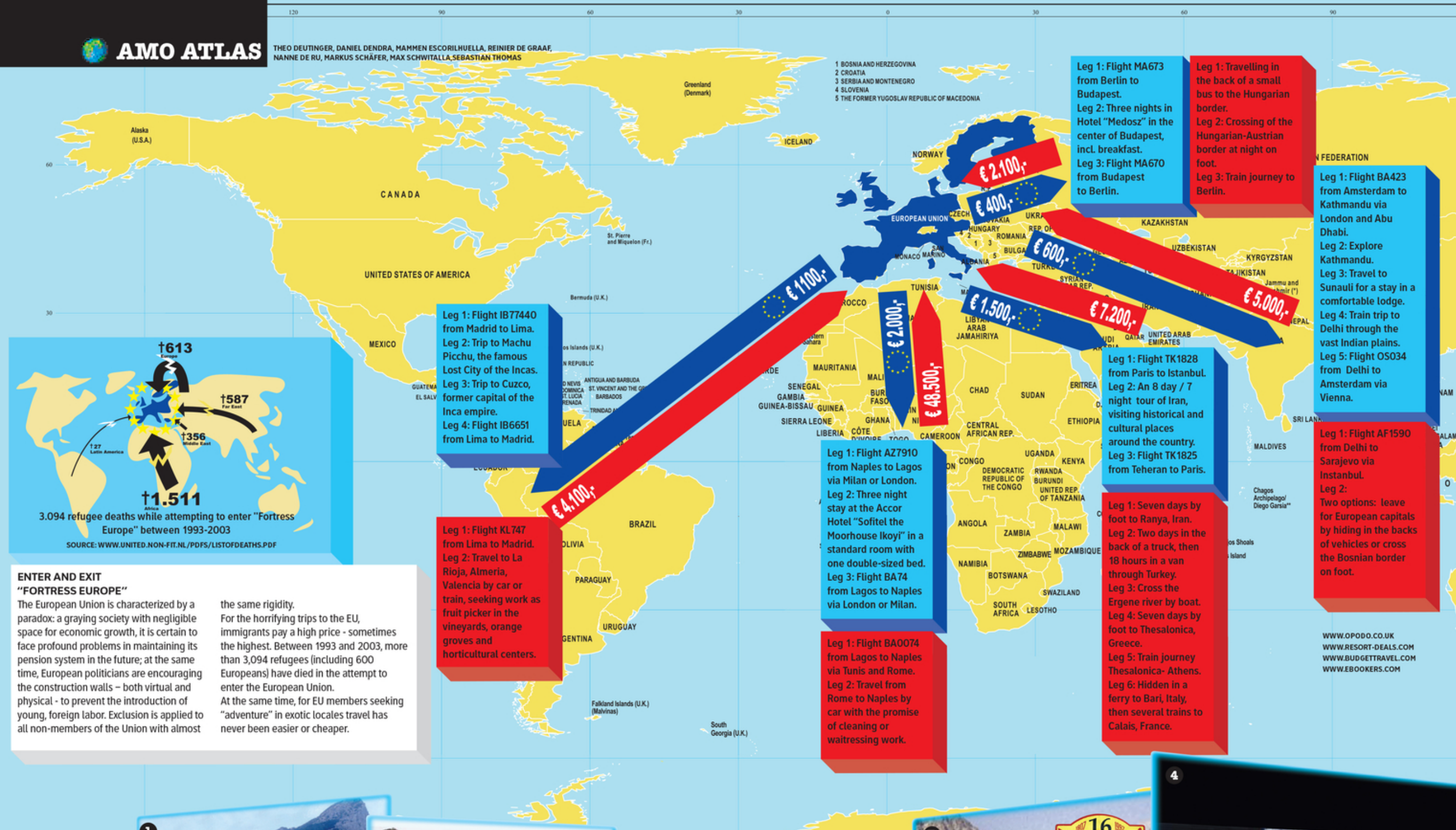


ZEIN
Malawi
Weekly Popularity: 0.2%



BRUNA
Angola
Weekly Popularity: 0.2%







FRAY FOAM HOME by Andrés Jaque Architects (2010) - <https://vimeo.com/13820022>

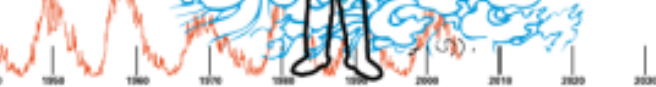
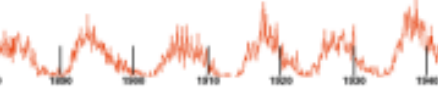
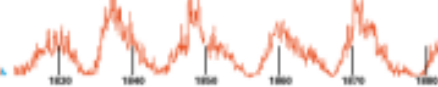
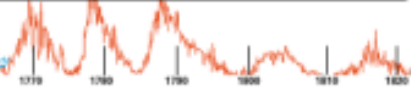
<https://vimeo.com/13820022>

ELECTRO-MAGNETIC PROPAGANDA

electro-magnetic spectrum

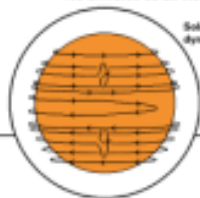
electro-magnetic effects

COSMIC SCALE



The Sun contains fully 99.86% of the mass in the Solar System. It is the source of the strongest thermal, gravitational and electromagnetic influences. Mike Lockwood, Richard Stempier and Matthew Wild at the Rutherford Appleton Laboratory in the UK, have discovered that in the last century, the overall strength of the Sun's magnetic field has more than doubled, becoming 230 percent stronger than it was in 1901. (Nature, 1999, 399, 437).

The universe as an electrified fabric



Electrical sun hypothesis
Sir Joseph Larmor in England first proposed in 1919 that dynamic convection entirely of fluids might explain the creation of auroral magnetic fields. His idea was that as solar plasma "flowed" through magnetic fields, dynamo effects produced the very same currents which also created these magnetic fields.

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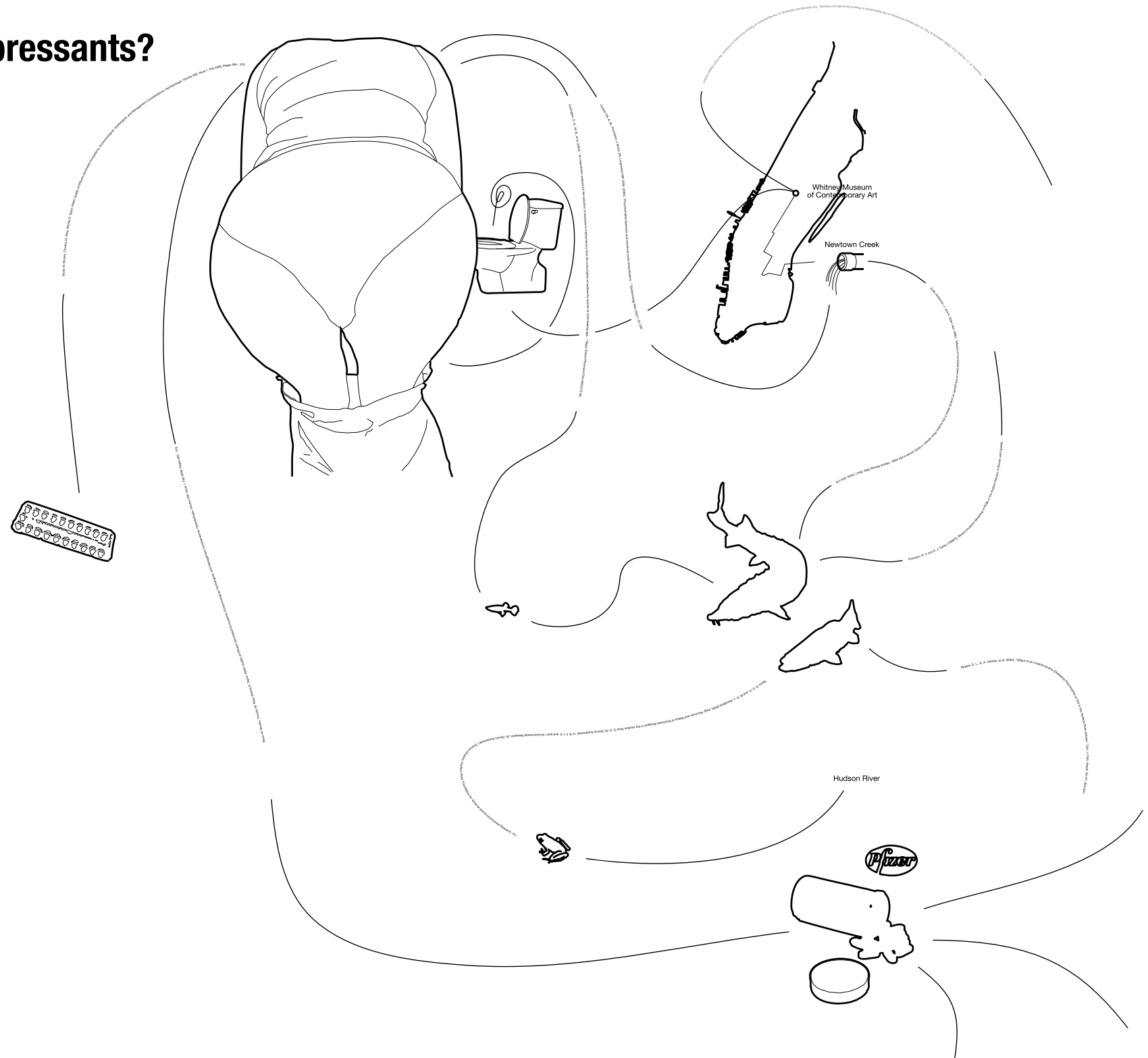
It has even been credibly suggested that there could be an association between years of increased solar-geomagnetic activity and aggression: "Symmetrical lagged analysis 1-6 years to +6 years, involving annual global geomagnetic activity, the inferences of solar activity, and the release of the total, global seismic energy indicated that the numbers of armed conflicts tended for the first half of the twentieth century were moderately associated 114 approximately 30, 25% of the variance only with the global geomagnetic activity of the same year" (Parker M.A. 1986, 1988, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 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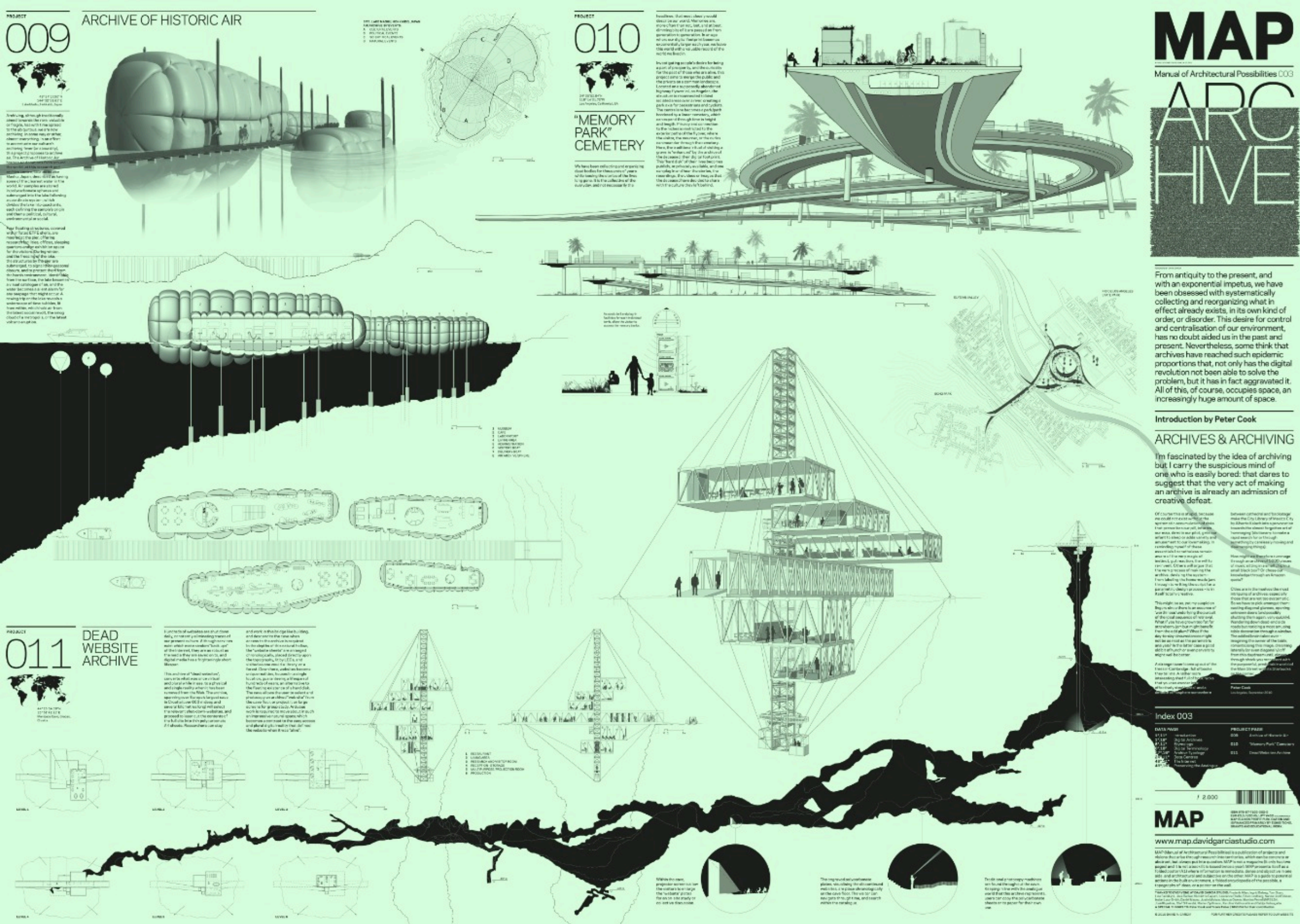
Why are the Hudson River Fish and Frogs on Antidepressants?

Nutrition FAQ's

Nutrition FAQ diagrams summarize the scientific literature, nutrient cycles, and relationships discussed in the Cookbook, enabling a citation-free text while at the same time maintaining high standards of evidence and pointing to the research directly.

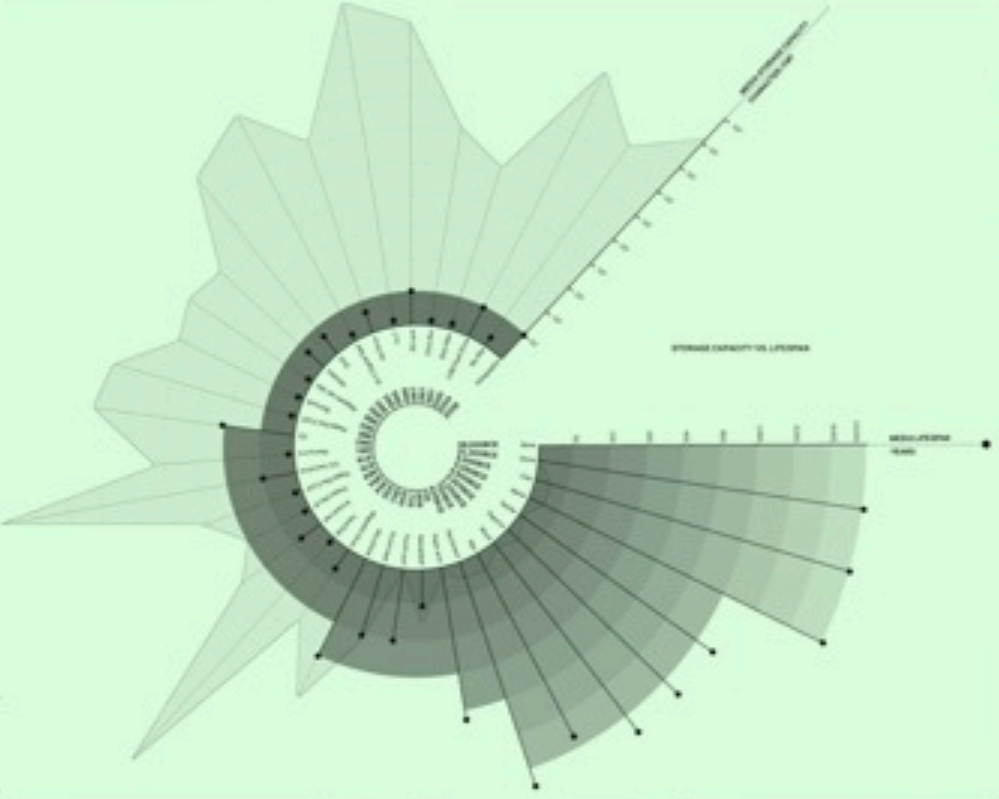
Nutrition FAQs diagrams are complemented by real-time versions published online and are updated daily with any new publications and real-time data (using a combination of RSS feeds, spiders, and hard coded in Scriptographer). Further, the Nutrition FAQ visual provides an ongoing aggregator akin to a Dow Jones/ NASDAQ of x-species ecological performance. Though nutrition FAQs are not reducible to a single metric, they are comparable to financial indicators in that they are most interesting when readers are invested in the system, whether what's at stake is their own pension fund, water quality, or endocrine disruptor levels.





MAP003ARCHIVE

Manual of Architectural Possibilities 003



INTRODUCTION

Archives consist of information that has been systematically organized and employs the basic principles of archival science. Society's need for archives was born from the gathering of knowledge.

Historically, the world's oldest archives were created by the ancient Egyptians. They were the first to systematically organize and store information for future generations.

In the 19th century, the first modern archives were established in Europe. These archives were designed to store and organize the vast amounts of information generated by the Industrial Revolution.

What constitutes an archive and how it should be managed is largely dependent on the type of information being stored. Archives can be divided into several categories, each with its own set of rules and regulations.

ARCHIVE TYPES

"One great obstacle is the creeping plague known as 'digital decay.' Awareness is spreading... that information stored digitally is much more vulnerable to corruption than people who are rushing to embrace that alternative have assumed."

The traditional method of storing information was on physical media like paper and parchment. However, with the advent of digital technology, the way we store information has changed dramatically.

ARCHIVE TYPES

"Nothing is less reliable, nothing is less clear today than the word archive... Nothing is more troubled and more troubling."

Archives have been around for centuries, but the way we store and manage information has changed significantly. The challenges of digital storage are much more complex than those of physical storage.

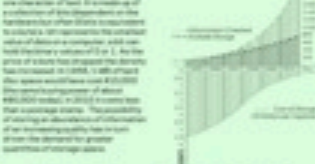
Archives are not just about storing information; they are also about making it accessible. This requires a careful balance between preservation and accessibility.

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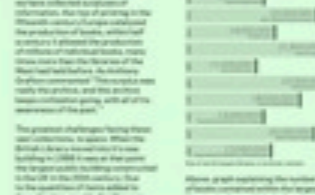
ARCHIVE TYPES

"The amount of information created, captured or replicated exceeded storage for the first time in 2007. By 2011, almost half of the digital universe will not have a permanent home."



ARCHIVE TYPES

"According to a 2007 BBC report, the Vatican library (1.5 million books on 37 miles of shelving) was literally sinking under its printed burden."



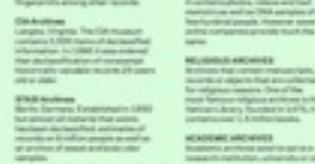
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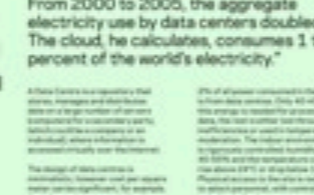
ARCHIVE TYPES

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ARCHIVE TYPES

"Data centers worldwide now consume more energy annually than Sweden. And the amount of energy required is growing, says Jonathan Koomsey, a scientist at Lawrence Berkeley National Laboratory. From 2000 to 2005, the aggregate electricity use by data centers doubled. The cloud, he calculates, consumes 1 to 2 percent of the world's electricity."



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ARCHIVE TYPES

"One Data Centre" is located in the bedrock beneath Uspenski Cathedral, one of Helsinki's most popular tourist sites.



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ARCHIVE TYPES

"The standard burial plot occupies 35 square feet, which means that burying every American alive today would take a piece of land larger than New York City's five boroughs—or, roughly six times the size of the District of Columbia."



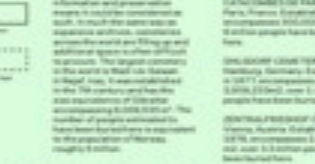
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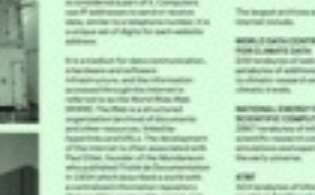
ARCHIVE TYPES

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ARCHIVE TYPES

"It took two centuries for the Library of Congress to acquire its 29 million books and 105 million other items... today it takes only 15 minutes for the world to produce an equal amount of information in digital form."



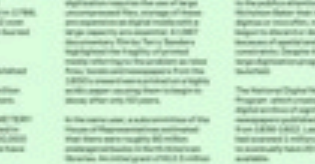
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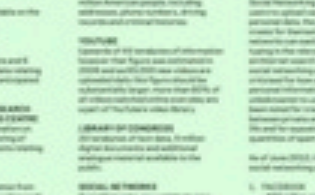
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ARCHIVE TYPES

"Twitter's gift to the Library of Congress of its entire archive of public tweets, announced two weeks ago today, sure has sparked the public's interest. Twitter is part of the historical record of communication, news reporting, and social trends - all of which complement the Library's existing cultural heritage collections."



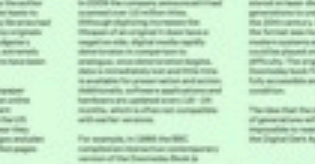
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ARCHIVE TYPES

"From the days of Sumerian clay tablets till now, humans have 'published' at least 32 million books, 750 million articles and essays, 25 million songs, 500 million images, 500,000 movies, 3 million videos, TV shows and short films and 100 billion public Web pages. When fully digitized, the whole lot could be compressed at current technological rates to 50 petabyte hard disks. Today you need a building about the size of a small library to house 50 petabytes."



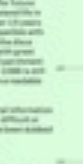
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Links:

- * The 'Balloon Maps' That Aided Exploration, War, And Tourism: <https://www.atlasobscura.com/articles/the-balloon-maps-that-aided-exploration-war-and-tourism>
- * 12 Maps That Changed the World: <https://www.theatlantic.com/international/archive/2013/12/12-maps-that-changed-the-world/282666/>
- * Indigenous mapping: <http://archive.li/kOwAH#selection-437.0-439.36>
- * Rediscovering the World' by Benjamin D Hennig: <https://link.springer.com/book/10.1007%2F978-3-642-34848-8#about>

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