



Undersea Internet Cables Are Surprisingly Vulnerable, wired online magazine, 2015

www.submarinecablemap.com

1910

Alcatel Alsthom

Direction Générale des Télécommuni-

1900

Ana Bisbicus Columbus III **Colonial Echoes** in Data Infrastructures

1810

beginning: a signal moves through cable accross the sea and then enery returns to its orginal location via the conduct of water

landing points:

IMPERIAL PROF. ROLL

1865\*

india rubber, gutta

and telegraph

company

location where sub.

cables makes landfall

1800

Gutta Percha collected by John Trasdescant

SUB.

FELEGRAPHY

1858

TECHNOLOGY

1492 Christopher Columbus enters Abya Yala

Alcatel Lucent now Nokia 2020

cable & wireless

<\$> vodaphone

cable & wireless communications

2019:

378 cables on

earth

OWNERSHIP right by UN

NAMES

MATERIALS

internet is declared 1600 a basic human

SPACES & GEOGRAPHY

2016

columbus international

worldwide

GAFAM

apple

originally sub. cables were

units (SBUs), more than one

destination can be served by

-simple point-to-point connections. With the development of branching

a single cable system

2030

1700

TELEBAPHICEPA

1885 ŝ. Congo Conference

> 1870 1st. telegraphic conection Bombay ⇔ London

new landing points: St. Vicent, Cape Verde Gambia -Freetown Sierra Leone - Accra

1885\* **IRGP** promotes West African Telegraph Company

> 1885 \* African Direct Telegraph Company

found in Sumattra, peninsular Malaysia, Singapore and Borneo

scientifically classified

gutta percha latex can be

Telegraph wires insulated with Gutta-Percha Gutta Percha imported into Britain

GUTIA PERCHA A 1st. transatlantic telegraph cable production is being industrialised and driven forward by the production of gutta-percha, as an insulating material

> routes: followed transportation and trade routes. Many of them were pioneered by british colonial investments (Starosielski 2015: 31)

> > 1880\*

pany

1870\* west indies and panama company american telepho-

telegraph comeastern telegraph

1870

company (ETC)

1880

1820

strategie: global spread of telegraoh cables

was lead by private companies rather than governments it was framed as a strategy to secure colonial èmpires

1840

1830

1845\* Gutta Percha Company

Siemens & Halske

1850

CLEGORIPHIC COMPANY atlanctic telegraph company founded 1856 gutta-percha company now telegraph construction and maintenance company

1860

1865\* ITU (International telegraphic unión) org. for International technical coordination and governance

№1/2024 ON TRANSINDUSTRIALITY

1890

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## TETI Journal

Columbus III spans a length of 9,833 km and has been facilitating data transmission since 1999. It carries information from Sicily through Spain to the Caribbean region. Being the first undersea coaxial cable connecting Europe and Latin America, the Colombus cable's origins trace back to 1977, when it was officially launched on October 12th. Through a name and a route, this cable is entwined with my personal history and memories.<sup>1</sup>

This artistic research employs counter-mapping techniques to reveal how data infrastructures are integrated into the continuum of colonial legacies. Colonial imprints extend beyond geographical routes; they appear in names, materials, landing points, and the histories of the corporations managing these connections.

My main focus centers around charting the colonial traces in submarine data infrastructure without being confined to the conventional Western linear representation of time and space. Timelines present a chronological sequence in a spatial arrangement. Yet, this linear approach often fails to capture the intricate interdependencies between events, especially when history is narrated from a single perspective.

This raises a crucial question: can tools like maps and diagrams, historically created as instruments of power, also serve as means for alternative narratives?

Following the work of the duo Black Quantum Futurism and their Quantum Event Map,<sup>2</sup> I encountered a tool that enables people to explore how individual and shared perceptions of time — past, present, and future — are interconnected.<sup>3</sup> This prompts me to consider how I can narrate a cable's story and its connection to my personal narrative. How can we reimagine representations of time and space?

Shifting away from linear diagrams, I enter into the realm of spirals to chart the transition from telegraph to fiber optic cables. The approach highlights parallelisms and connections among events shaping today's data infrastructure. Instead of implying a cause-and-effect relationship between events, it acknowledges that various factors have simultaneously influenced this infrastructure. This narrative is a testament to the complex interplay of colonialism, technology, and power.

1 José M. Romeo, "La unión entre dos mundos: los cables submarinos entre España e Hispanoamérica" Colegio Oficial de Ingenieros de Telecomunicación (Madrid, 1993), 115–120.

2 The concept of the Quantum Event Map is associated with Black Quantum Futurism, a movement and philosophy that combines elements of quantum physics, Afrofuturism, and social justice. It was developed by artists and thinkers such as Ashon T. Crawley and Rasheedah Phillips, who explore how time and culture intersect, particularly in the context of Black experiences. Their work seeks to reframe understandings of time and existence, empowering marginalised communities to envision alternative futures.

3 Rasheedah Phillips, "Constructing a Theory and Practice of Black Quantum Futurism", in *Black Quantum Futurism: Theory & Practice*, Vol. I. (Philadelphia: Afrofuturist Affair/House of Future Sciences Books, 2015), 27–29.

## Columbus III

As I follow the colonial traces of these cables, I confront my personal history. I find myself unlearning a history I was taught, one that was never truly mine. It was imposed upon me in form of memorised data, names, and facts. Reflecting on my school days and what I learned about Columbus, I realise it might not have seemed strange back in the days that a cable bore his name. Because this is what I have learned. The idea of laying kilometers of cables beneath the sea might have appeared more strange to me. It is important what names are given to the objects, structures, and spaces that carry our stories. It is also important how these stories are told. **①** 

Ana Bisbicus is an architect and researcher based between Berlin and Colombia. They studied Architecture at the University of Arts Berlin and Glasgow School of Arts in Scotland. Their work situates at the intersection between artistic research, curation, and design of discursive and built spaces. Together with Sarah N. Hachem Herfurth, they founded *Habi Practice* جني, where they jointly develop educational formats in spatial planning around the relationship of space and colonialism. From 2019 to 2024, Ana has been a part of the *fem\_arc* collective in Berlin, where they collaboratively developed projects that critically examine power structures in space and individual experiences of discrimination.

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