


martindittus.info

Hallo. I am Martin Dittus. @dekstop on Twitter.

I am a [researcher and data scientist](#) at the [Oxford Internet Institute](#), where I study the economic geography of darknet marketplaces.

Before that, I was a researcher in computer science at the [ICRI Cities](#) at University College London, where I researched community engagement for the [Humanitarian OpenStreetMap Team](#) (HOT), a volunteer initiative with thousands of contributors. At its core this was quantitative work, and my main outputs were statistics and data visualisations. I made use of the "hard" evidence of contributor data traces, but also the "soft" evidence of knowing the practices and motivations of the community.

I have previously been a software developer and project manager at [Last.fm](#), a director and trustee of the [London Hackspace](#), an organiser for [Hack the Barbican](#) and the [Electromagnetic Field](#) camping festival, a cat herder for [Air Quality Egg](#) contributors, and more. My data visualisations have been featured in Infosthetics [1] [2], Visual Complexity [3][4], FlowingData [5], in print magazine De:Bug [6], Manuel Lima's Visual Complexity book [7], the German-language Visual Simplicity book [8], and elsewhere.



Featured work

Research diary: contributor engagement in
humanitarian mapping

State of the Map 2016: Building large-scale
crowdsourcing communities with the Humanitarian

Information geography: seeking to understand an increasingly digital world

In traditional geography, people and places are defined by their **physical locations** and **properties**.

Yet our lives and the places we live in are increasingly digital, and people and places are increasingly defined by their **virtual attributes** and **digital shadows**.

Graham, Zook, Boulton (2013). Augmented Reality in Urban Places: contested content and the duplicity of code.



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Get directions My places

"restaurant" near 32.075,34.775

A Cafe Barnash
 Bograshov 87, Tel Aviv, Israel 81 m S
 +972 3-620-3747 - cafebarnash.co.il
 Category: Hamburger Restaurant
 1 review
 2 - ישבנו 4 חברים לארוחת בוקר, הארוחות היו מעולות -
 2 - "... ששקשקות תרד, ארוחת

B Bar giyora
 Bar Giyora 4, Tel Aviv, Israel 117 m N
 +972 3-620-4880 - bargiyora.co.il
 Category: Restaurant- Bar
 ★★★★★ 13 reviews
 "Try the Peter Logger Cookie. Woohool! Also very good: Sabich Sandwich, the ..." - qype.co.uk

C Moon
 Bograshov 58, Tel Aviv, Israel 289 m W
 +972 3-629-1155
 Category: Restaurant- Bar
 ★★★★★ 57 reviews
 "Amazing sushi in tel aviv"

D Amiliaaffe





Get directions My places

"מסעדה" near 32.075,34.775

A Bar gyora

Bar Gyora 4, Tel Aviv, Israel 117 m N
 +972 3-620-4880 · bargyora.co.il
 Category: בר מסעדה
 ★★★★★ 13 reviews
 "Try the Peter Logger Cookie. Woohool Also very good: Sabich Sandwich, the ..." - qype.co.uk



B Dizengoff 50, Tel Aviv, Israel 48 m NE

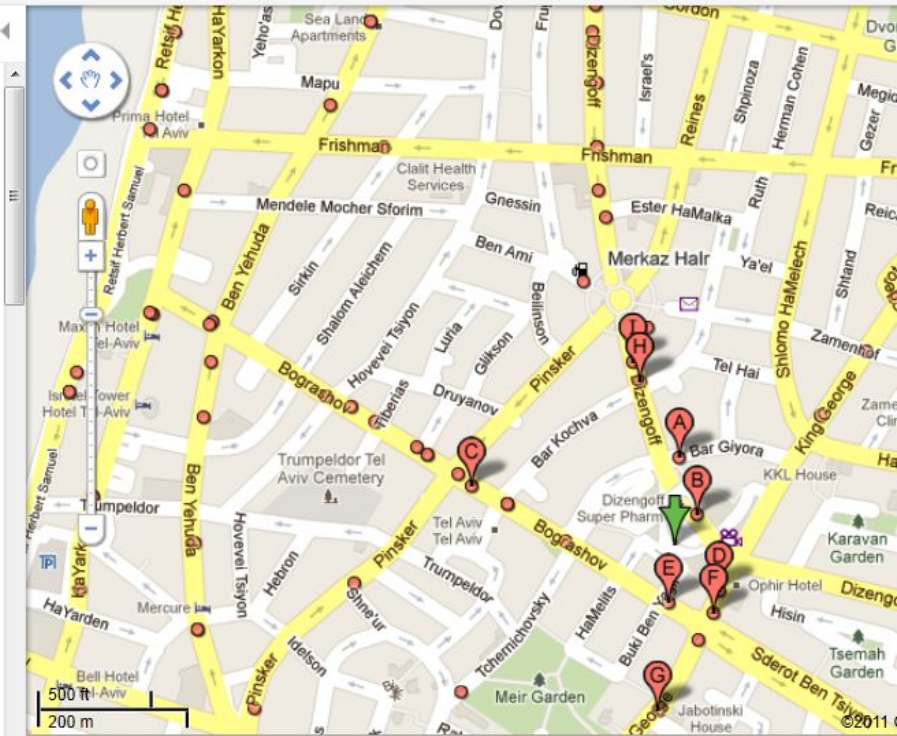
+972 3-532-9640
 Category: מסעדה
 1 review
 "לא נפרג?"

C Moon

Bograshov 58, Tel Aviv, Israel 289 m W
 +972 3-629-1155
 Category: בר מסעדה
 ★★★★★ 57 reviews
 "Amazing sushi in tel aviv"



D מפיגא אקספרס





Get directions My places

"مطعم" near 32.075,34.775



Ophir Hotel

Dizengoff 43, Tel Aviv 0, Israel 98 m E
 +972 3-525-7350 · sexaviv.co.il
 3 reviews



"يضم مطعم Ophir المأكولات المغربية والفرنسية. وهناك أيضا مقهى، ويتم توفير وجبة فطور كاملة إسرائيلية بالمطعم نفسه." - booking.com



Hotel Metropolitan Tel-Aviv

Trumpeldor 11, Tel Aviv 63803, Israel
 734 m W
 +972 3-519-2727 · hotelmetropolitan.co.il
 2 reviews



"يمكنك الاستمتاع بيوافيه الإفطار في مطعم Metro Cafe، والذي يكون مفتوحاً أيضاً في وجبتي الغداء والعشاء. الوجبات الخفيفة متوفرة طوال اليوم في البار الموجود..." - booking.com

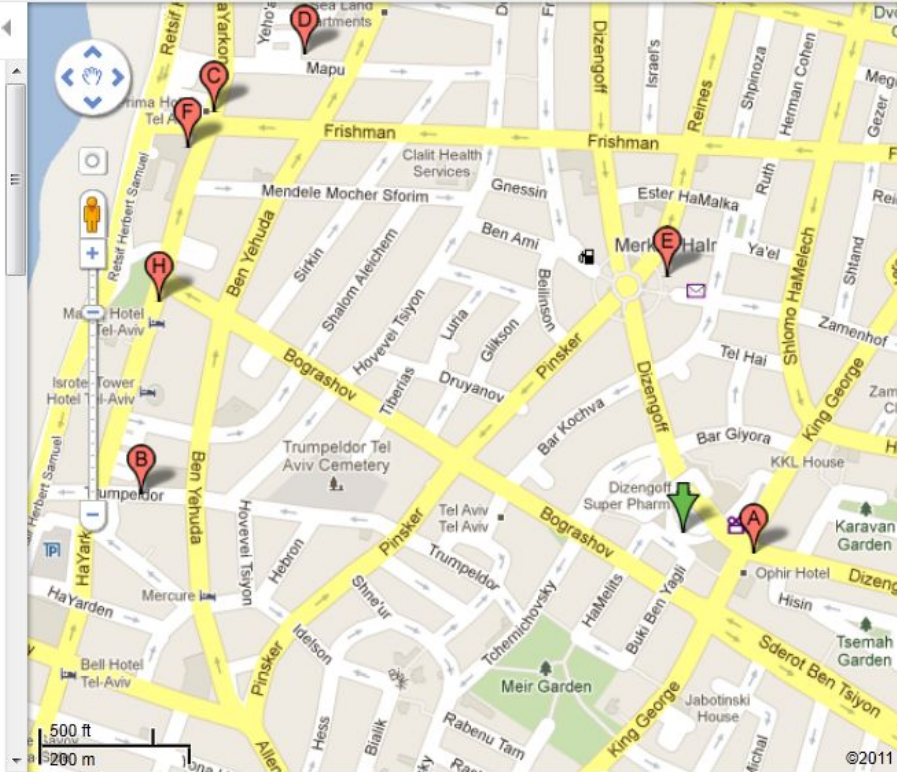


Prima Hotel Tel Aviv

HaYarkon 105, Tel Aviv 63903, Israel
 850 m NW
 +972 3-520-6666 · english.prima.co.il
 1 review

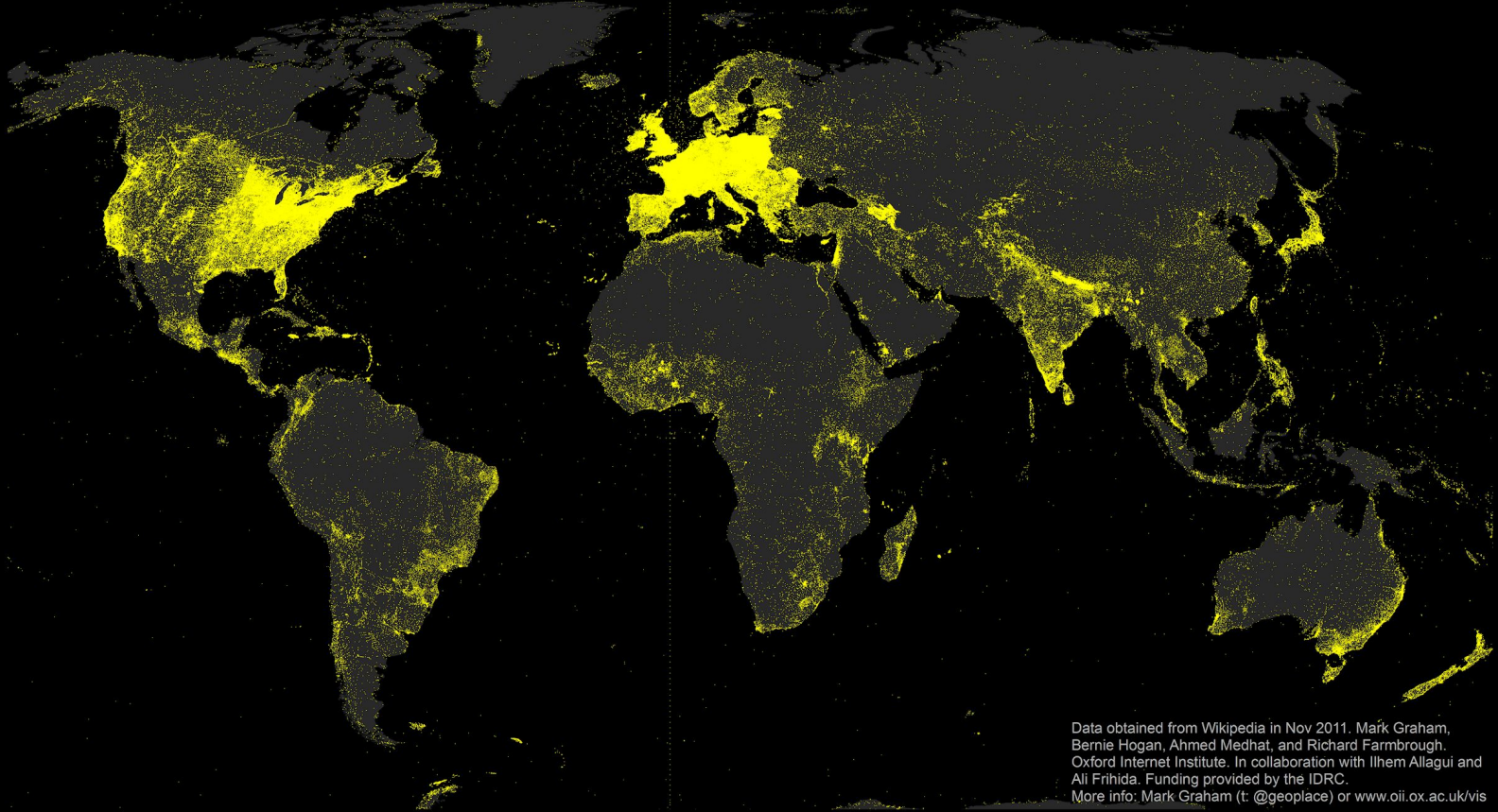


"يقدم مطعم Prime Grill اللحوم المشوية الطازجة وأطباق إسرائيلية شبيهة أخرى. ويقع شارع Dizengoff، وهو شارع التسوق الرئيسي، على بعد



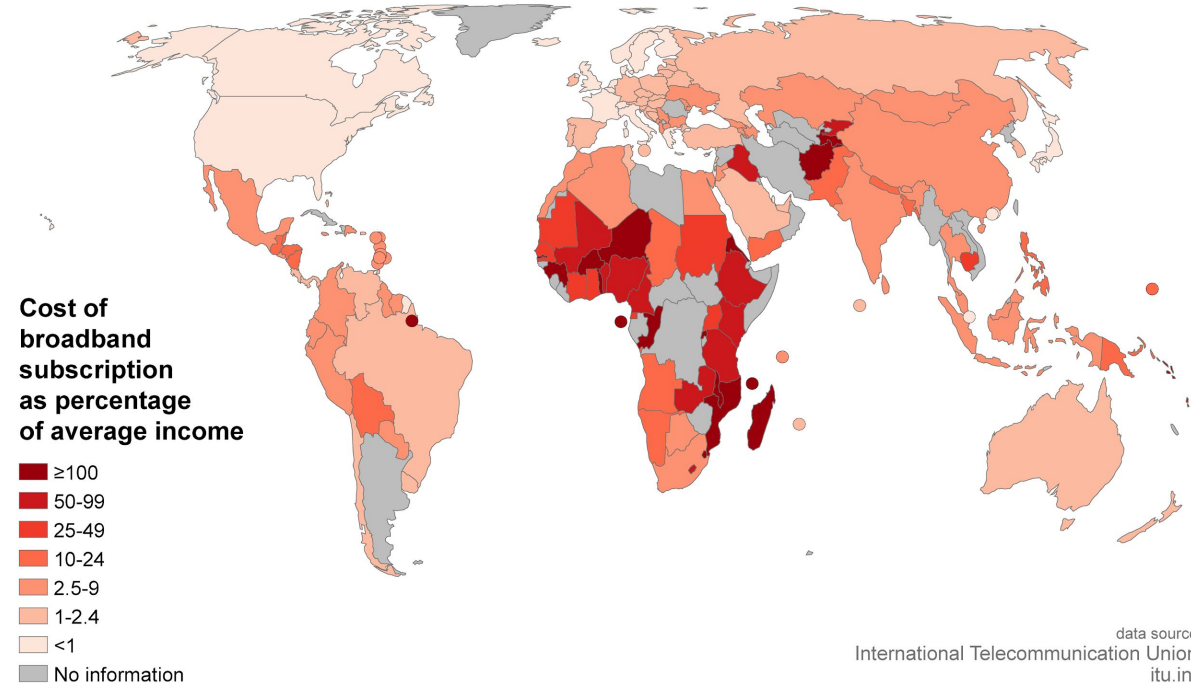
Who **owns, controls, shapes,** and **has access** to those augmented and hybrid digital/physical layers of place?

Geotagged Articles in English Wikipedia



Data obtained from Wikipedia in Nov 2011. Mark Graham, Bernie Hogan, Ahmed Medhat, and Richard Farnbrough. Oxford Internet Institute. In collaboration with Ilhem Allagui and Ali Frihida. Funding provided by the IDRC. More info: Mark Graham (t. @geoplace) or www.oii.ox.ac.uk/vis

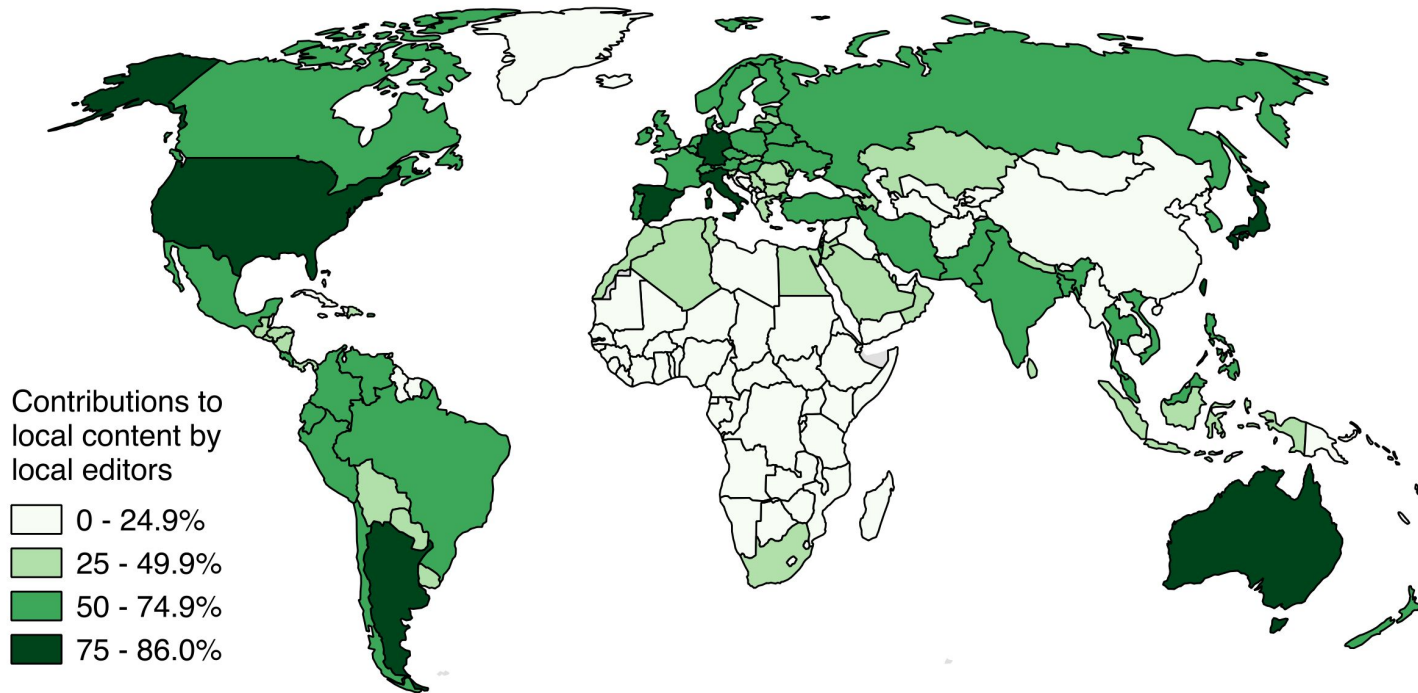
Local participation requires *connectivity*



The cost of broadband subscriptions relative to the gross national income per capita, in 2013.

*Graham et al. (2015),
“Towards a Study of
Information Geographies:
(im)mutable Augmentations
and a Mapping of the
Geographies of Information.”*

Building the capacity to tell your own story



Not just imbalance, but **inequity**.

Knowledge equity on Wikipedia

“We will strive to counteract **structural inequalities** to ensure a **just representation** of knowledge and people in the Wikimedia movement.”

Knowledge equity: Knowledge and communities that have been left out by structures of power and privilege

We will strive to counteract structural inequalities to ensure a just representation of knowledge and people in the Wikimedia movement. We will notably aim to reduce or eliminate the gender gap in our movement. Our decisions about products and programs will be based on a fair distribution of resources. Our structures and governance will rely on the equitable participation of people across our movement. We will extend the Wikimedia presence globally, with a special focus on under-served communities, like indigenous peoples of industrialized nations, and regions of the world, such as Asia, Africa, the Middle East, and Latin America.

We will welcome people from every background to build strong and diverse communities.

We will create a culture of hospitality where contributing is enjoyable and rewarding. We will support anyone who wants to contribute in good faith. We will practice respectful collaboration and healthy debate. We will welcome people into our movement from a wide variety of backgrounds, across language, geography, ethnicity, income, education, gender identity, sexual orientation, religion, age, and more. The definition of community will include the many roles we play to advance free and open knowledge, from editors to donors, to organizers, and beyond.

We will break down the social, political, and technical barriers preventing people from accessing and contributing to knowledge.

We will work to ensure that free knowledge is available wherever there are people. We will stand against censorship, control, and misinformation. We will defend the privacy of our users and contributors. We will cultivate an environment where anyone can contribute safely, free of harassment and prejudice. We will be a leading advocate and partner for increasing the creation, curation, and dissemination in free and open knowledge.

https://meta.wikimedia.org/wiki/Strategy/Wikimedia_movement/2017/Direction

WIRED




WIRED Opinion

To reduce inequality, Wikipedia should consider paying editors

The online encyclopedia is a lopsided representation of the world. Should it break its non-profit taboo?

—

By **MARTIN DITTUS** and **MARK GRAHAM**
6:00 AM

In a question and answer session at [Wikimania 2018](#), the annual global gathering of the Wikipedia community in Cape Town in July, an African Wikipedia editor stood up and asked an unusual question. “You expect us to contribute our knowledge for free?,” she said. “People here can’t afford to volunteer their time.”

What might sound like a provocation was in fact a genuine challenge: Wikipedia should reconsider its current stance against paying editors. The reason? Reducing inequality.

As a free, crowdsourced, online multilingual encyclopedia, Wikipedia has turned previously paid labour into a spare-time activity. Its reliance on self-motivated volunteers works exceedingly well in certain parts of the world; but, in other regions, this model has become an economic barrier to entry. Maybe as a consequence, Wikipedia is surprisingly imbalanced in its coverage of global knowledge.

Almost a decade ago, we began mapping all of the content on Wikipedia and found that the site was a highly

Unequal power of articulation & influence

Technology design often involves an **assumption of universality**: that one approach, designed by one organisation, will be sufficient to address all cases. Vs the concept of the **pluriversal** in decolonial theory: to allow for multiple entangled articulations to coexist, to emphasise those situated at the margins (Mignoli 2011).

Design is further shaped by forms of **cultural hegemony**: contribution processes are informed by a specific cultural (Western) context, others need to adapt (Irani et al. 2010).

Complex technology: inequitable by design

Sociotechnical systems are often **intransparent** in their workings, and **designed by an expert elite**. This is inherently inequitable.

To counteract this, we should ask that **human oversight** always remains a central part of such systems. We should demand that **outcomes are legible to and interpretable by people affected** by algorithmic processes.

One might call this an “unblackboxing” of these systems.

Seven conceptions of *social justice*

David M. Smith (1994), “Geography and Social Justice”:

- **Egalitarianism:** equal distribution of wealth and power
- **Utilitarianism:** the greater good for the greatest number
- **Libertarianism:** value of the individual over the state
- **Contractarianism:** explicit agreements based on subjective preferences
- **Marxism:** rewarding the full value of an individual’s contribution
- **Communitarianism:** shared practices and values over individual or state interest
- **Feminism:** addressing power imbalances between groups

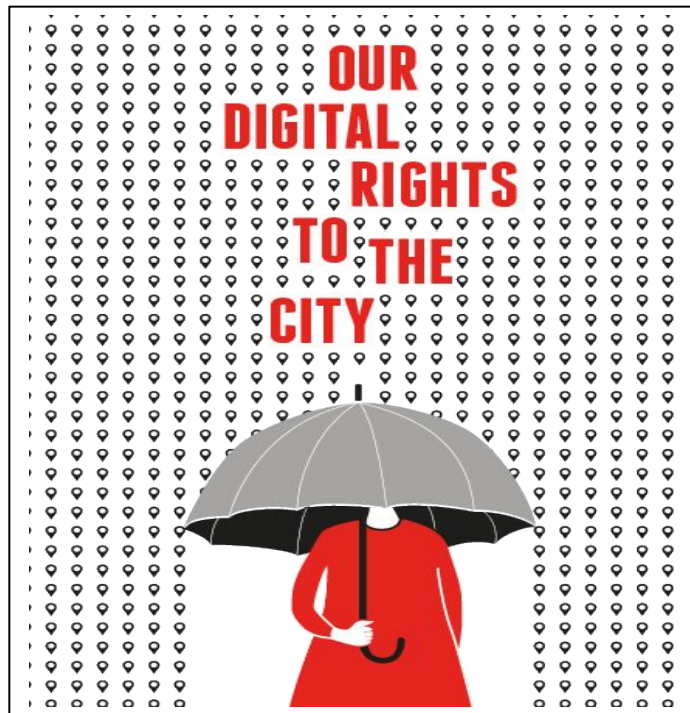
Digital rights to the city

Data justice, as analogous to **spatial justice**:

Data impacts how we **perceive**, **move through**, and **use** space.

Joe Shaw and Mark Graham (eds.): Our Digital Rights to the City. Meatspace Press 2017

<https://meatspacepress.org/our-digital-rights-to-the-city/>



“AI”, “blockchain”, novel tech as
catalysts for thought
rather than effective solutions

The blockchain is a lie

The screenshot shows a web browser window with the URL `blogs.oxi.ox.ac.uk/policy/the-blockchain-paradox-w/`. The page header includes the 'P & I Policy and Internet' logo, the title 'The Policy and Internet Blog' with the tagline 'Understanding public policy online', and the logos for the 'OXFORD INTERNET INSTITUTE' and 'UNIVERSITY OF OXFORD'. A navigation menu lists categories: 'P&I ARTICLES', 'POLITICS & GOVERNMENT', 'ECONOMICS', 'ETHICS', 'SOCIAL DATA SCIENCE', and 'IPP2018 CONFERENCE'. A search icon is also present.

The article breadcrumb trail is: Home > Economics > The blockchain paradox: Why distributed ledger technologies may do little to transform... The article is categorized under 'Economics' and 'Governance & Security'.

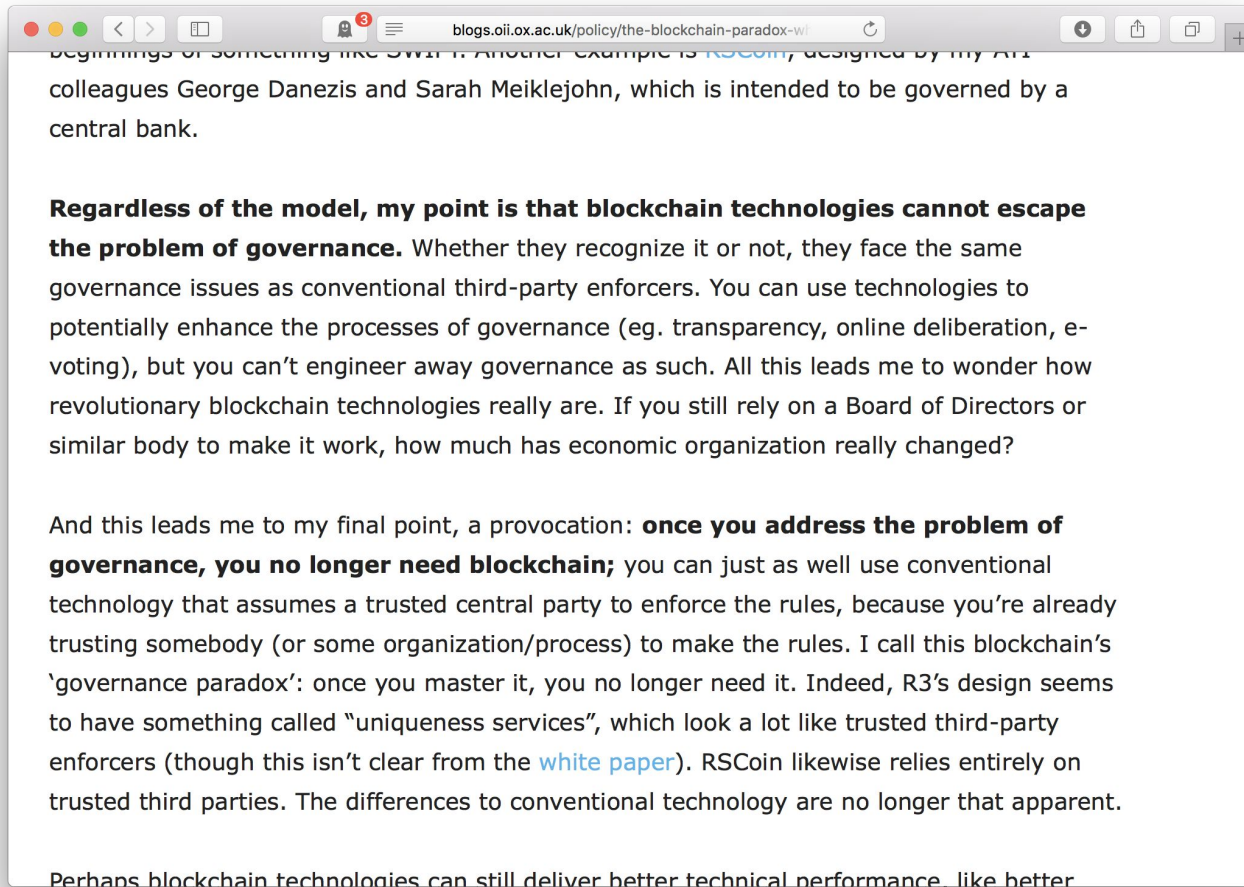
The blockchain paradox: Why distributed ledger technologies may do little to transform the economy

By **Vili Lehdonvirta** - 21 November 2016

Social sharing icons for Facebook, Twitter, Google+, and Pinterest are displayed.

Bitcoin's underlying technology, the blockchain, is widely expected to find applications far beyond digital payments. It is celebrated as a "paradigm shift in the very idea of economic organization". But the OII's Professor Vili Lehdonvirta contends that such revolutionary potentials may be undermined by a fundamental paradox that has to do with the governance of the technology.

I recently gave a talk at the Alan Turing Institute (ATI) under the title *The Problem of Governance in Distributed Ledger Technologies*. The starting point of my talk was that it is frequently posited that blockchain technologies will "revolutionize industries that rely on digital record keeping", such as financial services and government. In the talk I applied elementary institutional economics to examine what blockchain technologies really do in terms of economic organization, and what problems this gives rise to. In this essay I present



The screenshot shows a web browser window with the URL www.oii.ox.ac.uk/blog/anticipating-blockchain-for. The page header includes the Oxford Internet Institute logo and navigation links: Home, Research, Study, People, Events, Videos, News, About, Blog. A search bar is located in the top right corner.

The main content area features a breadcrumb trail: [Home](#) > [Anticipating Blockchain for Development: Data, Power and the Future](#). Below this is a 'Blog' category tag.

Anticipating Blockchain for Development: Data, Power and the Future

Author
[Margie Cheesman](#)

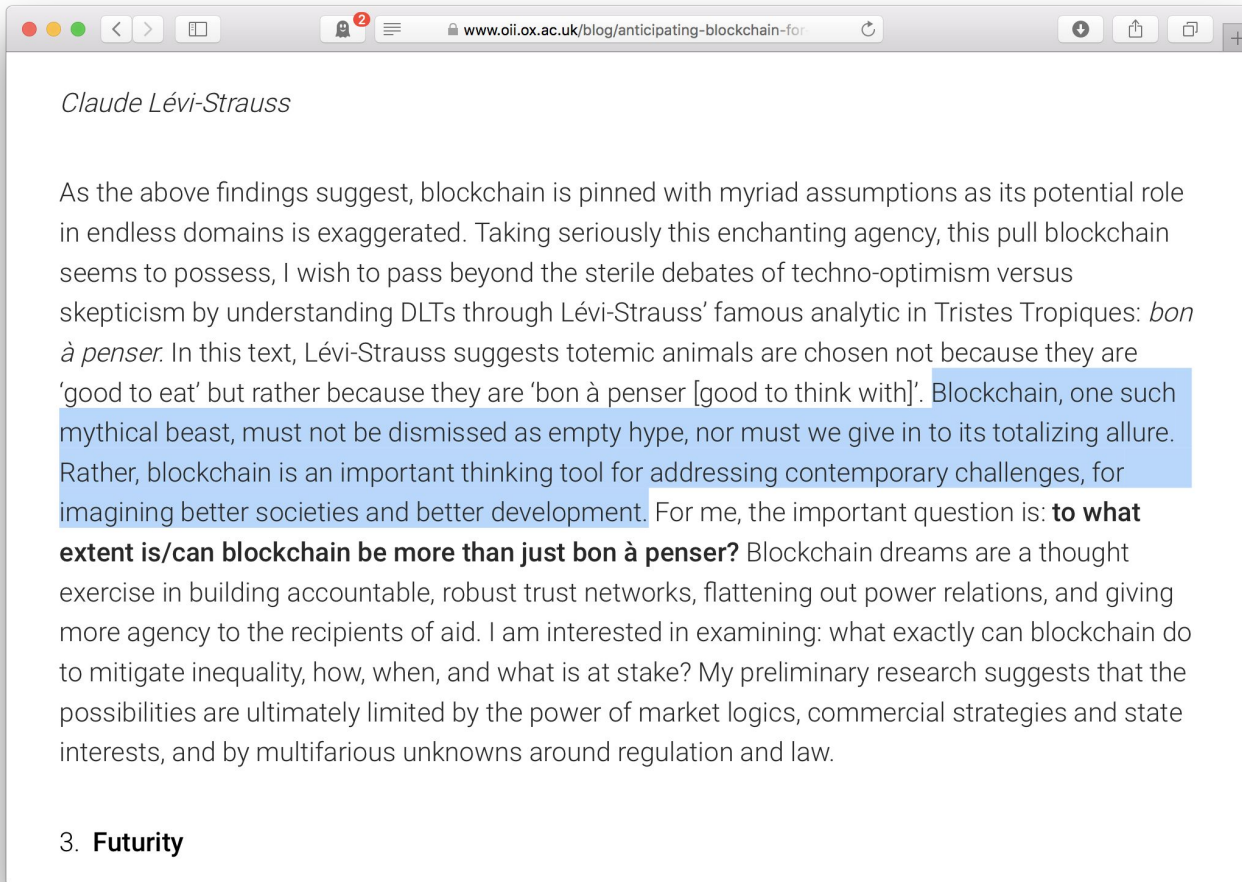
Posted
20 November 2017

Tags
[anthropology](#), [blockchain](#), [data](#), [Development](#), [DLT](#), [futures](#), [ICTD](#), [Information Geography and Inequality](#), [oiifeatured](#), [participation](#), [power](#)

In this post, Margie Cheesman, the CII group's new anthropologist, tells us about her background research and doctoral interests, which are at the intersection of digital infrastructures and international development.

Can blockchains and other distributed ledger technologies deliver significant social good? Or will they have disastrous consequences for humanity? Or – perhaps more likely – neither?

At the United Nations in New York in early 2016, I was at the opening conference for ['ID2020'](#). Representatives from international governments, NGOs and tech companies heralded distributed ledger technology (DLT) as the silver bullet for realising part of the [UN's Sustainable Development Goal 16.9](#) by providing legal, biometric, digital, legal identity for everyone in the world, starting with birth registration. 'Blockchain' would thus be a way to solve the world's woes from human trafficking to electoral corruption, from tax evasion to social and economic exclusion to gender inequality.



The image shows a screenshot of a web browser window. The address bar at the top displays the URL www.oii.ox.ac.uk/blog/anticipating-blockchain-for. The page content is a blog post by Claude Lévi-Strauss. The text discusses blockchain as a mythical beast and a thinking tool, questioning its hype and potential. A specific sentence is highlighted in blue: "Blockchain, one such mythical beast, must not be dismissed as empty hype, nor must we give in to its totalizing allure. Rather, blockchain is an important thinking tool for addressing contemporary challenges, for imagining better societies and better development." The text concludes with a bolded question: "to what extent is/can blockchain be more than just bon à penser?".

Claude Lévi-Strauss

As the above findings suggest, blockchain is pinned with myriad assumptions as its potential role in endless domains is exaggerated. Taking seriously this enchanting agency, this pull blockchain seems to possess, I wish to pass beyond the sterile debates of techno-optimism versus skepticism by understanding DLTs through Lévi-Strauss' famous analytic in *Tristes Tropiques*: *bon à penser*. In this text, Lévi-Strauss suggests totemic animals are chosen not because they are 'good to eat' but rather because they are "bon à penser [good to think with]". Blockchain, one such mythical beast, must not be dismissed as empty hype, nor must we give in to its totalizing allure. Rather, blockchain is an important thinking tool for addressing contemporary challenges, for imagining better societies and better development. For me, the important question is: **to what extent is/can blockchain be more than just bon à penser?** Blockchain dreams are a thought exercise in building accountable, robust trust networks, flattening out power relations, and giving more agency to the recipients of aid. I am interested in examining: what exactly can blockchain do to mitigate inequality, how, when, and what is at stake? My preliminary research suggests that the possibilities are ultimately limited by the power of market logics, commercial strategies and state interests, and by multifarious unknowns around regulation and law.

3. **Futurity**

People's surprising
fascination with AI and
blockchains reveals their
curiosities/hopes/fears about
systems change

Thank you!



Martin Dittus, @dekstop

Digital Geography
Oxford Internet Institute