

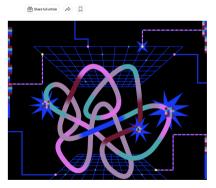






A.I. Could Soon Need as Much Electricity as an Entire Country

Behind the scenes, the technology relies on thousands of specialized computer chips.



Energy emergency? Critical power challenges takes center stage at DCD>Connect | Londor Preview the agenda topics for 2024

 $Marc\ Ganzi, CEO\ of\ Digital Bridge, \underline{dominated\ headlines\ last\ week}\ as\ he\ warned\ that\ data\ centers\ will\ run\ out\ of\ power\ in\ the$ next two years. But to many, this sentiment will come as no surprise: the hunger for more power has reached a new extreme w the explosion of AI.

That's why critical power will take center stage at DCD>Connect | London, as power demands, grid instability, and sustainability pressures go head-to-head across Europe (and beyond).

Get up to speed on the conversation ahead of the event this September 17-18:

- Meta's Mark Zuckerberg says energy constraints are holding back AI data center buildout "We would probably build out bigger clusters than we currently can if we could get the energy to do it"
- AWS restricts data center access in Ireland amid power concerns report But elsewhere in Ireland new developments continue
- UK data center power demand to jump six-fold in ten years, National Grid CEO warns Says AI and EVs will put intense strain on grid
- · Emissions reporting scheme for European data centers approved Scheme is part of the European Energy Efficiency Directive (EEED)

 OUTONOWS.NOXT TECHNEWS MONEY WORK MOBILITY HEALTH HOME OPINION SERIES >-

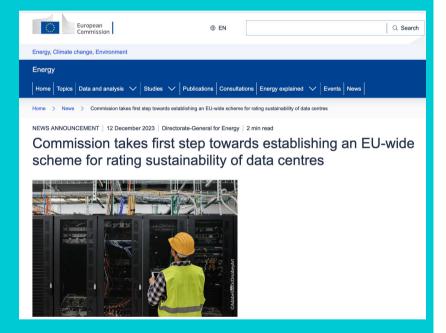
A > Next > Tech News

Soaring demand for Al could see the technology consume enough energy to power a small country



Some imagined solutions to these crises

European database on data-centres

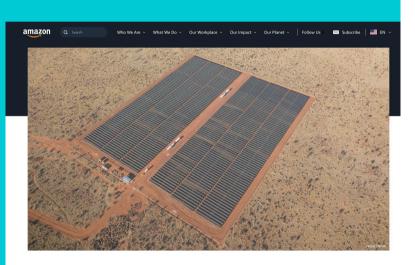




Some imagined solutions to these crises

Data giants turning to renewables via building own power plants.





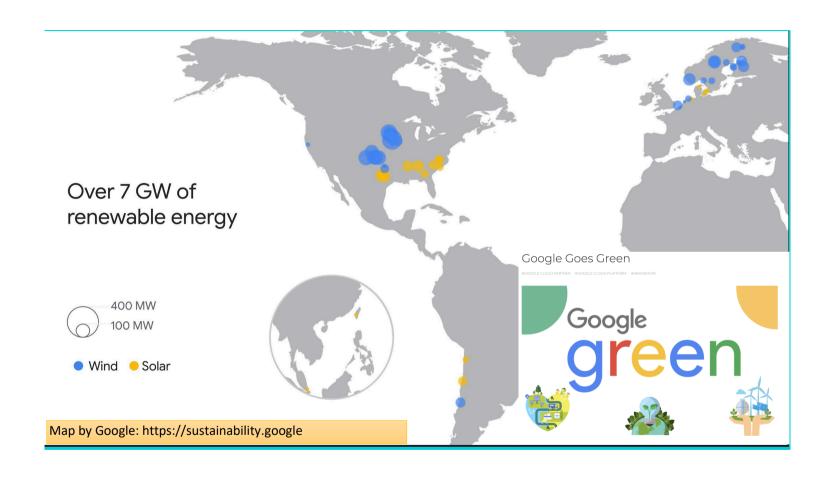


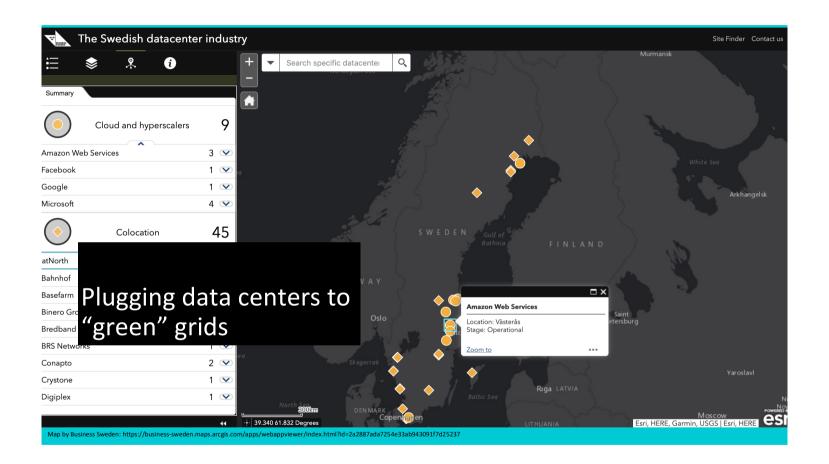
Amazon's first South African solar plant delivers energy and opportunity



Amazon's solar project in South Africa supplies clean, renewable power to AWS data centers and supports economic opportunities for local women and businesses.

Amazon's new 10-megawatt solar plant is up and running in South Africa's





Using computer-generated heat for public heating



Photo: Pipes for data center district heating in Stockholm. Fair use

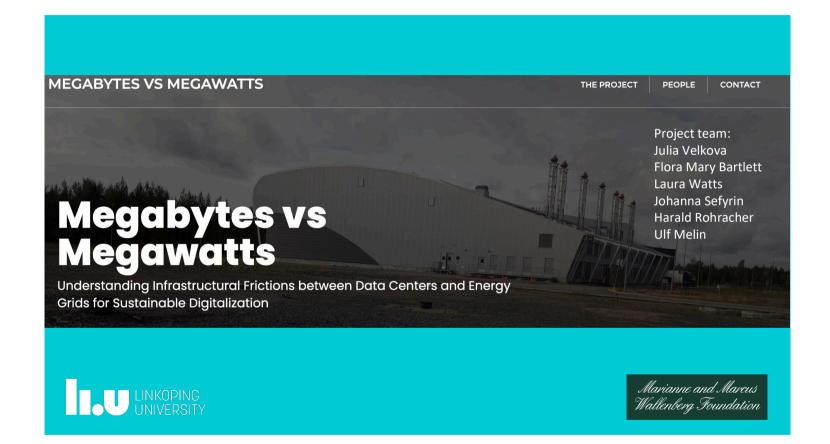


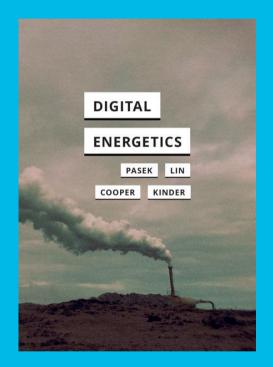
edge?

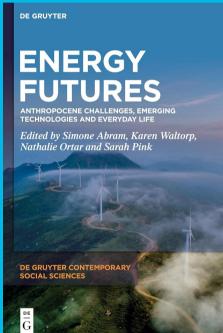












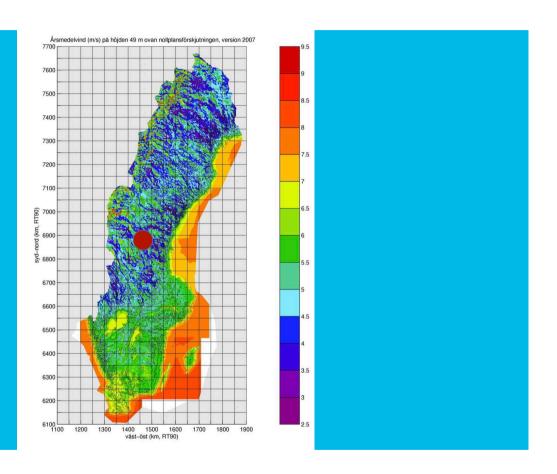






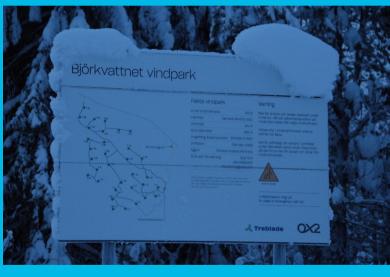
Locating wind for Google (in a place where it does not blow)

Map: model of wind speed in Sweden; Institute for Geosciences, Uppsala University

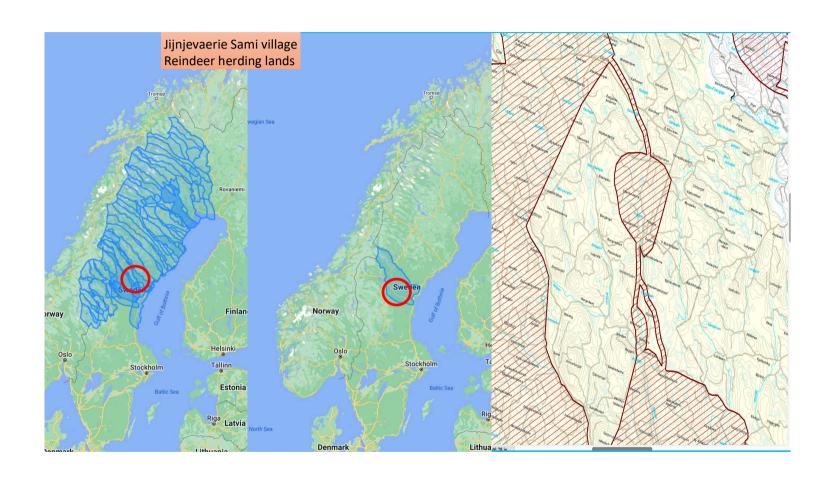




Vertical energy politics



Photos: 220m tall wind turbine producing electricity for Google in Ragunda municipality, Sweden and a map of the wind park. Author: Julia Velkova



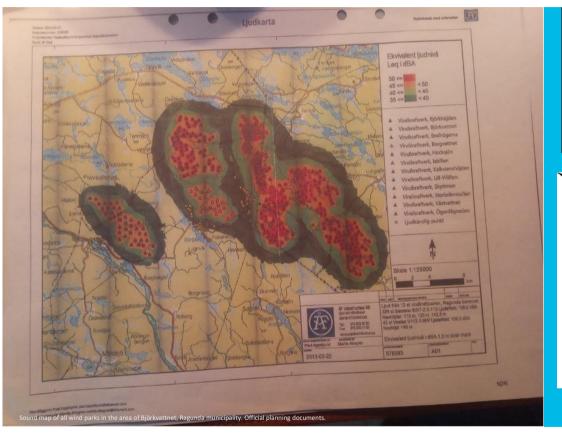
"We are too a native population here".



"The group deciding the area of the wind park were guys with cardigans. I have not clue who they were.

Those who wanted to build came - people in suits, in a truck. It will be a great development, they said. He stands and speaks, and people listen and say, aaaah, ooooh. "

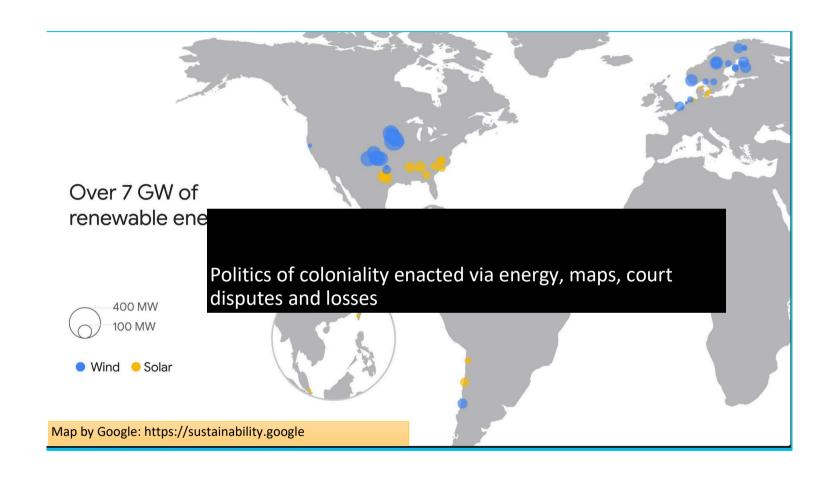
Map: hydropower in Ragunda municipality from the book "Kampen om Ammerån" (The fight for Ammer-river), Inga-Maj Granquist, Britt-Elise Ohlsson Fair use.



New landscapes: acoustic, terrestrial, human-plant-animal relations, mediated by Google wind farm

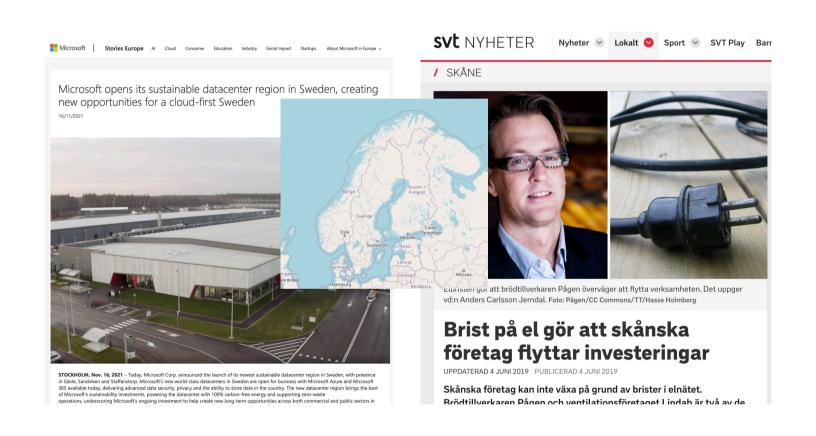


Drawing of a local activist



2. Infrastructural gentrification







Infrastructure gentrification



demand with the country's environmental goals. RTE noted that EirGrid has issued seven

warning of issues with energy supply.



Malmö, Eskilstuna, Gävle



Crack(s)

"Cracks are material events that emerge as the result of force contradictions...They progress along paths of least resistance, exploiting and tearing through different material substances where the cohesive forces of aggregate matter are at their weakest. Cracks can move slowly, linger for years in a state of potentiality, or accelerate and tear a building apart when force contradictions can no longer be absorbed" (Eyal Weizman 2019, *Forensic Architecture*, p. 53)

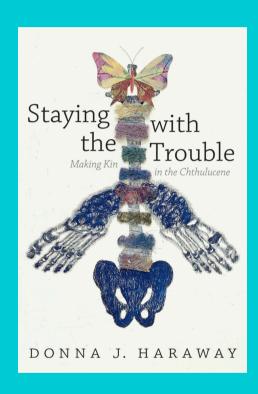
Where are we heading with "Sustainable" ICT? What are we actually sustaining? And what is being destroyed? Who is being displaced?

Big Tech actors and the data center industry create UNLIVEABLE FUTURES, DISMANTLING PUBLIC VALUES — all through sustainability projects.





Towards Liveable futures with the digital industries







3 principles for regulation/policy

- 1. Priorities develop rigorous and equitable principles regarding how much public infrastructure capacity can be allocated to different actors in society. And question the need to datafy and digitalise so intensely.
- 2. Values and Principles of Publicness
- 3. Data centers should be regulated as infrastructure to introduce obligations.

Not against digitalisation but what form digitalisation can take.

