

The Organic Internet

Community-first: Experiences from deploying local-first WiFi networks in urban locations



Armin Medosch
(1962 - 2017)

“Although mesh networking appears to have solved the technical issues, the network commons is in peril through political, sociological and economic threats.”

“When non-techies such as me encountered a problem, hackers used to tell me RTFM: Read the fucking manual. Now I tell techies also **RTFM: Read the Fucking Marx.**”



“It is necessary to be able to dream, to develop a vision that may seem a bit far off, but this vision should also have some concrete starting points and ties to **lived reality** in the here and now ... new forms of being in the everyday, with new forms of **conviviality**, and with a greater emphasis on **education.**”

“The citizen networkers who build the network commons need to consciously **join other commoners to build the city as utopia and project ...**”





U.S. looks to Monsanto to feed the world

MONSANTO
Food • Health • Hope™



facebook.



Zuckerberg: Facebook's mission is to 'connect the world'

MONSANTO
Food • Health • Hope™



U.S. looks to Monsanto to feed the world



May contain
Genetically Modified Organisms

facebook.



May contain
Algorithmically Modified Data

Zuckerberg: Facebook's mission is to
'connect the world'

Facebook apologises for psychological experiments on users

The second most powerful executive at the company, Sheryl Sandberg, says experiments were 'poorly communicated'



i Facebook's Sheryl Sandberg apologises for poor communication over psychological experiments. Photograph: Money Sharma/EPA



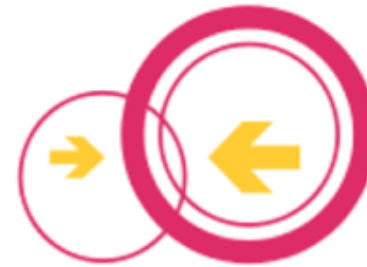




Is an **“organic” Internet** possible?



Internet
access



freifunk.net

guifi.net



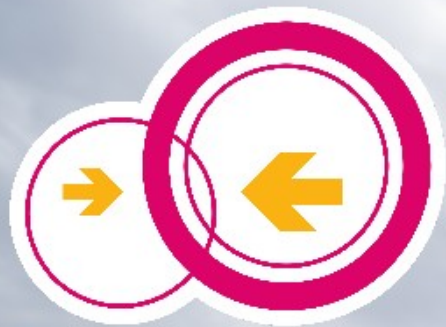
قول qaul.net



Local
services

Introvert

Extrovert



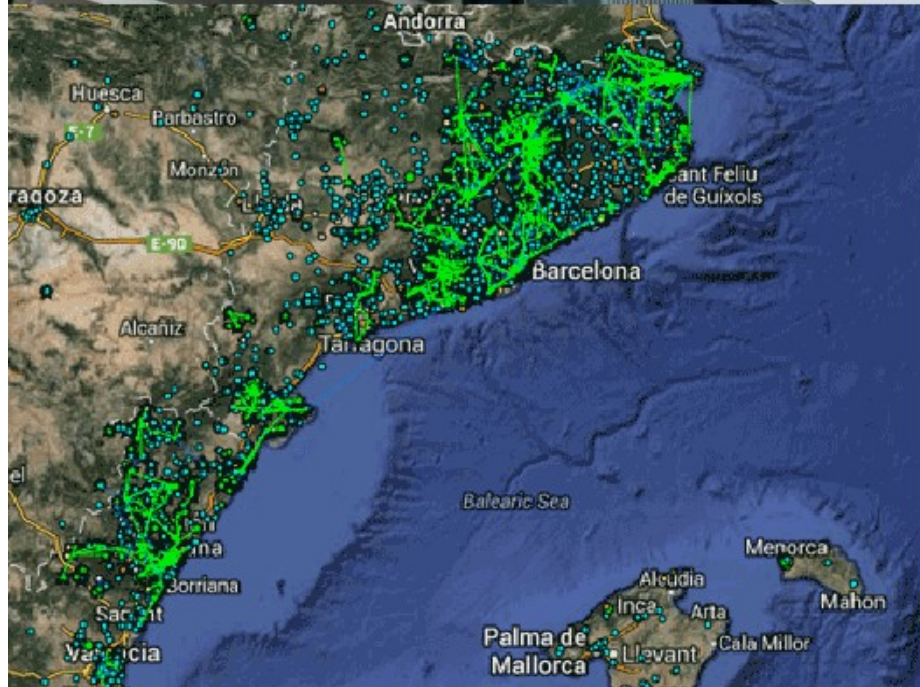
freifunk.net





guifi-net

The Telecommunications
Network
Free, Open and Neutral






Sarantaporo.gr

BYO-wifi network

WIFI-CAPABLE DEVICE
iPhone, non-jailbroken



USB CABLE
USB2 Micro B / USB2 Type A
(comes bundled with the wifi router)



PORTABLE BATTERY
TeckNet iEP387

TRAVEL WIFI ROUTER
TP-Link TL-WR703N

USB THUMB DRIVE
8GB, formatted ext4



occupyhere.org









Photo: Anab Jain

<http://superflux.in/work/yellowchair-stories>

INSTRUCTIONS



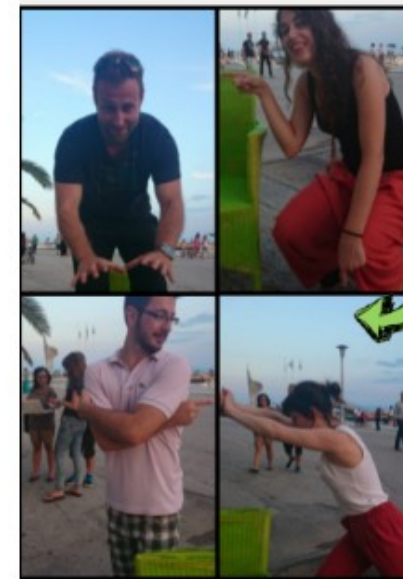
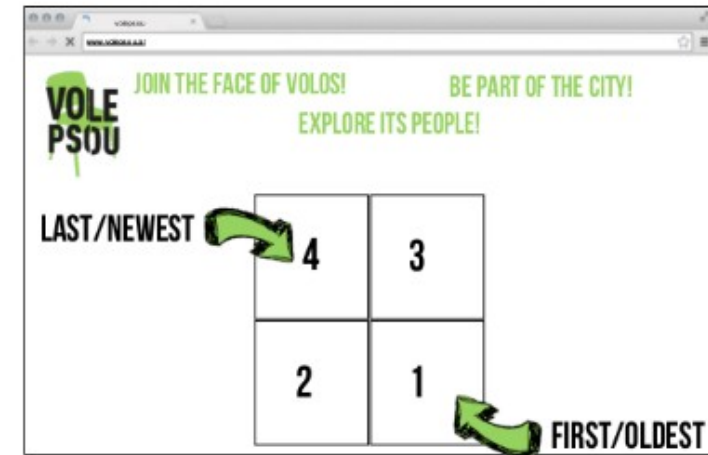
COLOURFUL, MOBILE SEATING AS A LANDMARK



JOIN THE FACE OF VOLOS!

BE PART OF THE CITY!

EXPLORE ITS PEOPLE!



INTERACTION & COLLABORATIVE COMPOSING





Danja Vasiliev @k0a1a · 5m

Keep finding [Superglue.it](#) servers in very unexpected places!

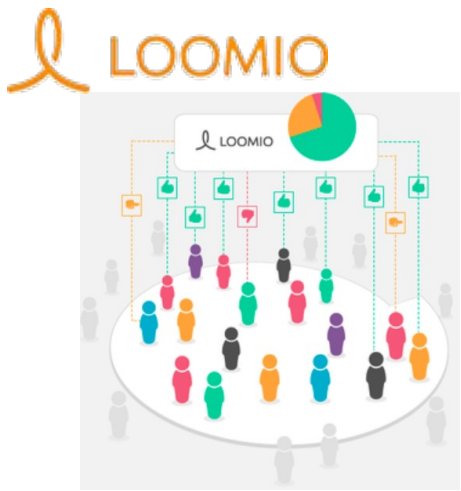
[@TeresaHacks](#) [@WORM_Rotterdam](#) [@OpenHypervideo](#)

pic.twitter.com/uEihsoc7yR

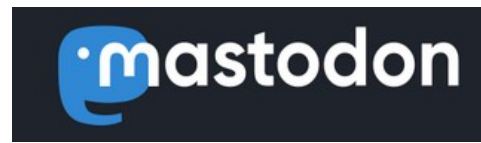




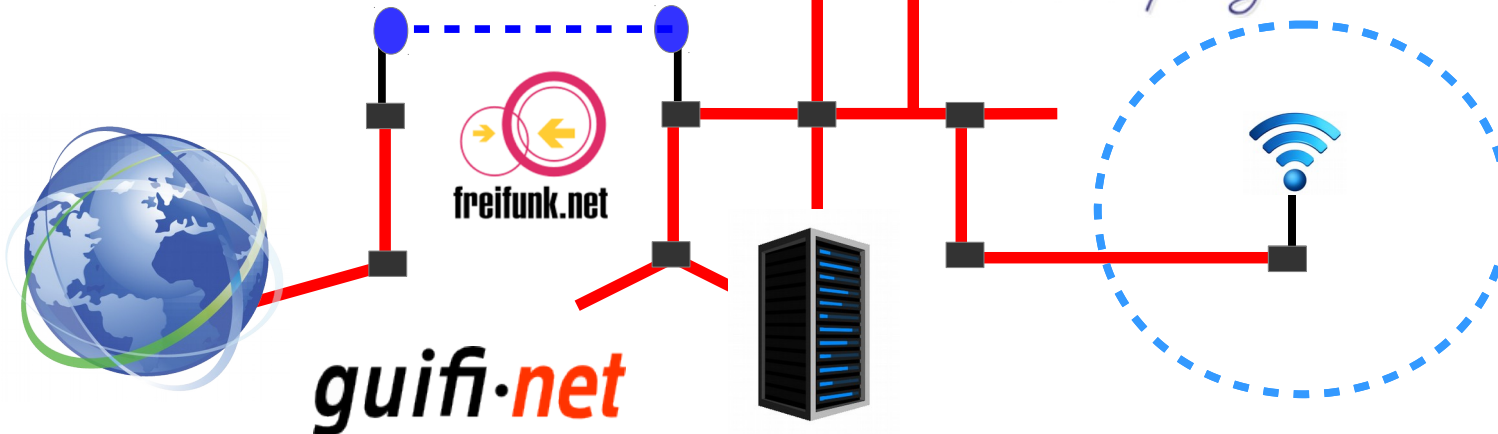




platform
cooperativism



diaspora*





openSUSE



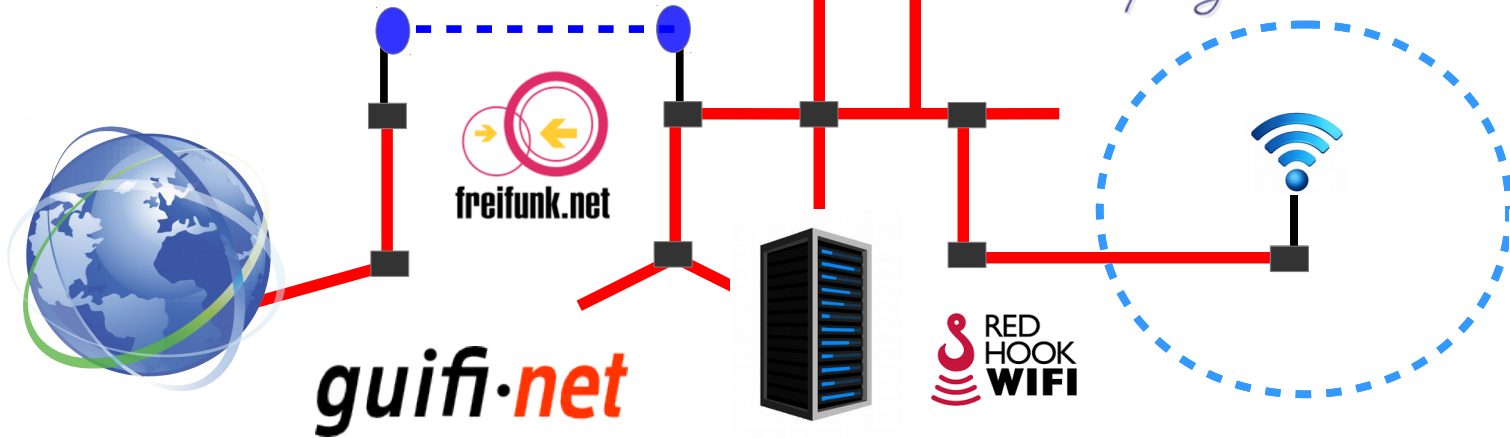
WordPress



etherpad

netCommons

Sarantaporogr



RED HOOK WIFI



The decentralized Internet needs roots

... and organic hybrid seeds (toolkits)



Neighbourhood-city level

5. „Alle Vereinsmitglieder sind in ihren Leistungen...
gemeinsam beteiligt.“ - KCU

3. Die Verwaltung ist beteiligt, Transparenz oder Anwesenheit der
Gemeinschaft der Produkte zu erreichen.

mongoDB, WordPress, openmoko, MySQL, Python, Linux, Android, PHP

kalkbreite
GENOSSENSCHAFT
KALKBREITE

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mongoDB, WordPress, openmoko, MySQL, Python, Linux, Android, PHP

prinzessinnengärten

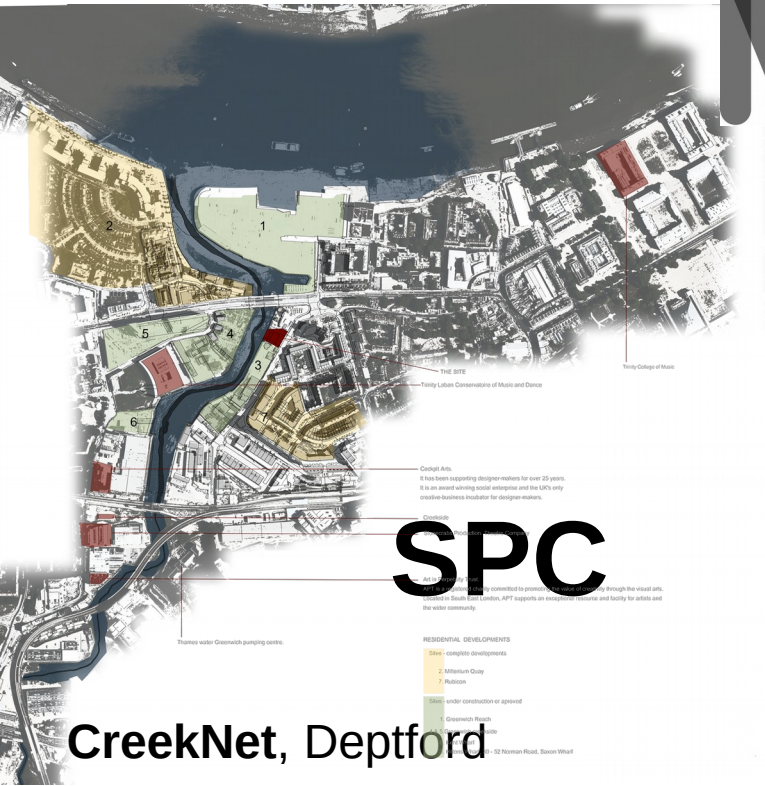
Prinzessinnengarten, Berlin



Young cooperatives, Zurich



MAZI



CreekNet, Deptford

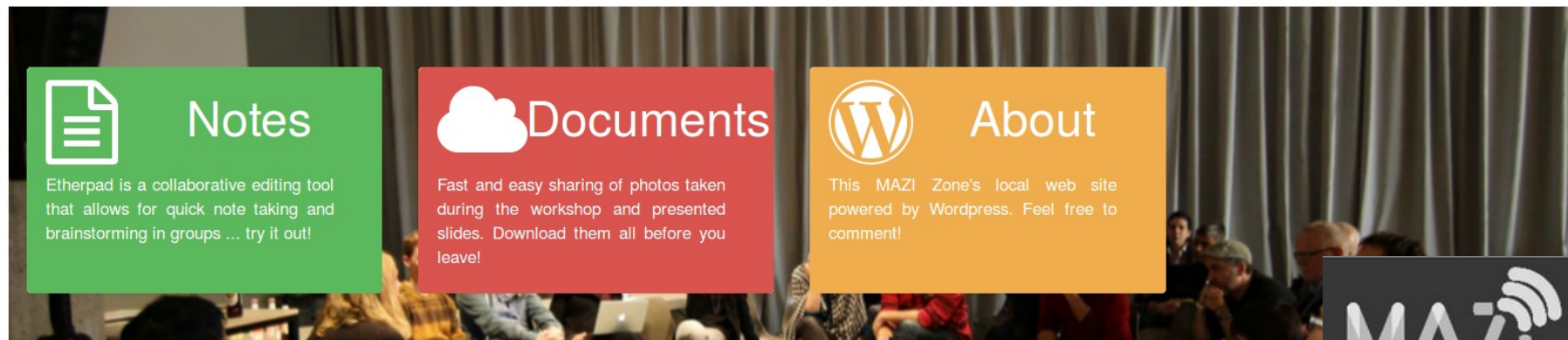


unMonastery, the role of the stranger

Mazizone Workshop

Welcome to the Mazizone of this workshop. In this offline network you can share locally your photos and slides, and etherpad as a quick collaborative editing tool

<http://mazizone.eu>



Mazizone Dashboard

Welcome

The **Mazizone Administration panel** is the main tool, used to **manage** this Mazizone portal, as well as the networking aspect of this Mazizone.

Please use the menu to navigate to the various tools, which can:

- Manage the supported Applications
- Configure the Mazizone network
- Configure the visual representation of the portal
- Add/remove notifications on the portal
- Export/import snapshots

Networking

1

Users Online Now

workshop.local

Wi-Fi Network Info

Applications

6

Applications Installed



Traffic

21

Overall Portal Visits

11

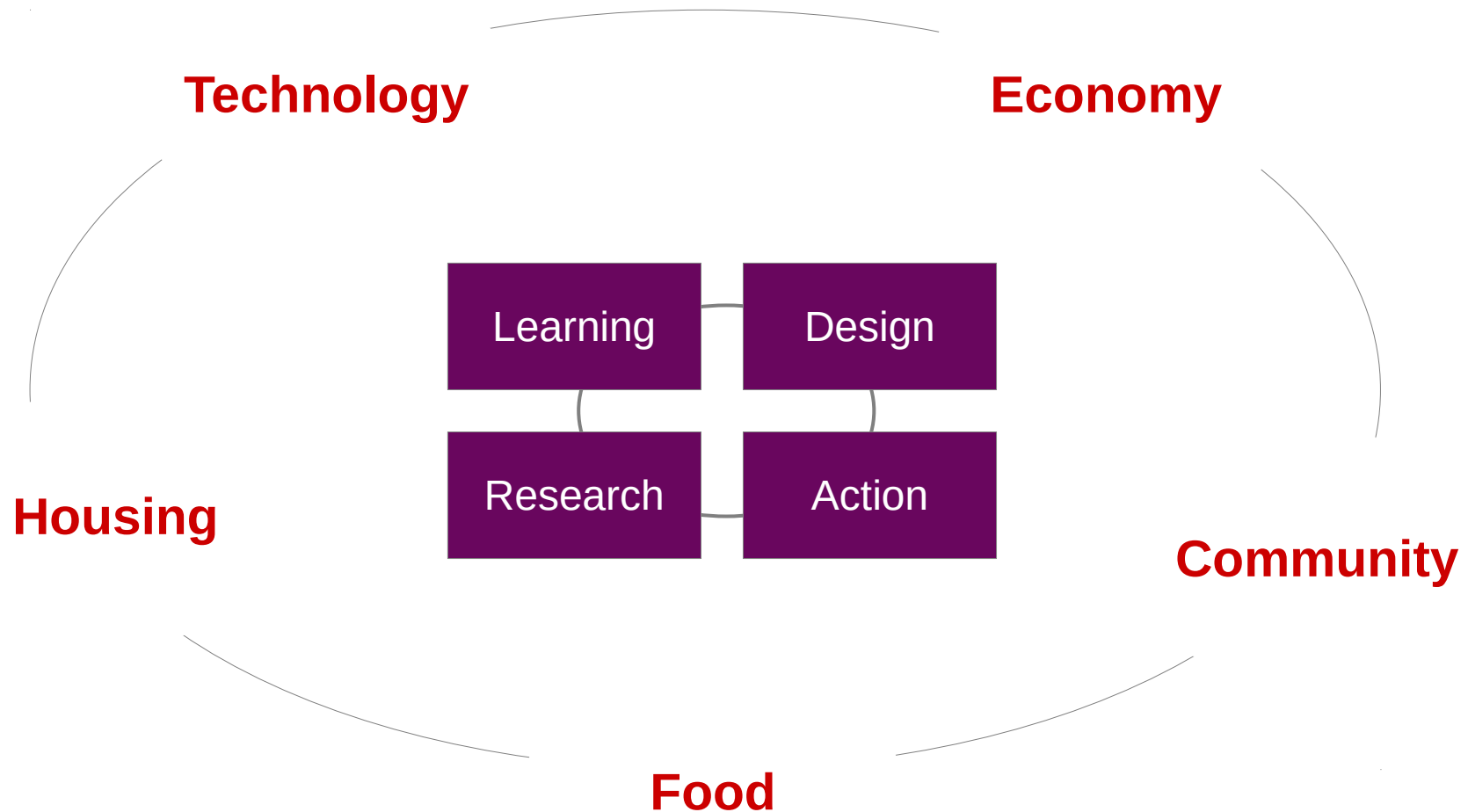
Application Visits

Notifications

1

Active Portal







VIELFALT
QUARTIER
KUNST
GEWERBE
AUSTAUSCH
LABOR
NACHBARSCHAFT
INNOVATION
NETZWERK
POPUP

L+++++200

<http://langstrasse200.ch>





L200
AUCH
DEIN
RAUM





CHRIEGERIN









SMAS Swiss Mechatronic Art Society
SSAM Société Suisse d'Art Méchatronique
SGMK Schweizerische Gesellschaft für Mechatronische Kunst
www.mechatronicart.ch



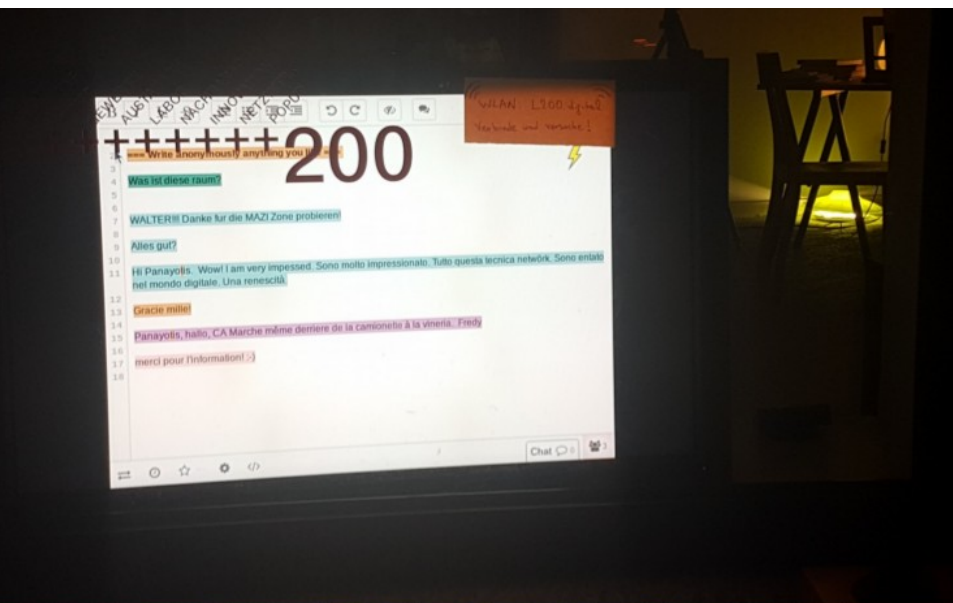
L++++
DEIN RAUM
für
KURSE
Gewebe
Küche
Festzelt
Laden
Bar
Platz

200
Was ist das?
☺
AUCH
DEIN
RAUM
Biere
Kaffee
- NetNo 1
- Transition ZH
- Netbond
- Beimig
- Euforia
- Rao GmbH
Mi-Sa
13-19:30
200.ch

RADIO LORA
LIVE
Bring Your Own
Beer/Wine :-)

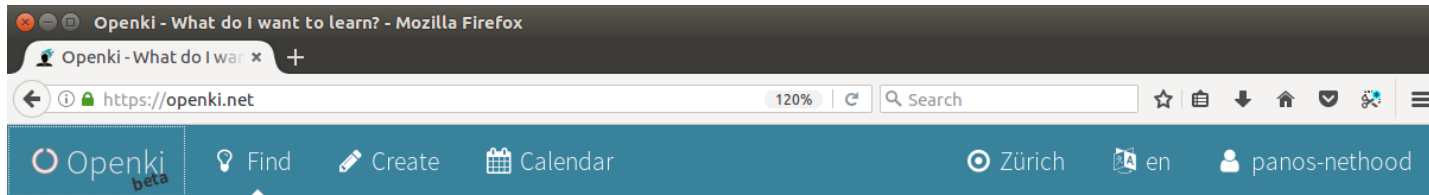
LORA
97.5 MHz - DAB+
DAS FREIE RADIO
VON ZÜRICH
STREAM LORA.CH

2019
LORA
97.5 MHz - DAB+
14.08.2019
RADIA
HÖRLOUNGE IM LANGSTRASSE 200
www.radiolora.ch





<http://openki.net>



What do I want to learn?

Everything

Proposal Upcoming Resting

[+ Show all filters](#)

DIY networking Arts & Humanities Computer Culture 21.11. 3:00 PM Myzelia (Ope...) 9 MAZI nethood	Die nüchterne Disco - The sober Disco Culture Dance 4 Kunstha	CV Dazzle: Camouflage from Face Detection Culture Subculture Fine Art Computer Software Operating 1 Kunstha
Gewaltfreie Kommunikation - GFK Misc Arts & Humanities Languages 17 ASZ	Auflegen mit Vinyl Culture Music Subculture Handicraft 3 Kunstha	Literarisches Schreiben für alle (alle...) Culture Literature Arts & Humanities Languages 5 Kunstha

DIY networking [view course](#)

Arts & Humanities Sociology Computer Internet Software Operating Programming Culture
Photography Music Literature Philosophy Politics Handicraft Electronics / Electricity

Tuesday
21. November 3:00 PM - 5:00 PM

DIY networking

Myzelia (Openki) Sihlquai 131, 8005 Zürich
MAZI nethood [+ link a group](#)

Learn how to create wireless networks either for Internet sharing across multiple sites or for local services from a wide variety of open source applications like Nextcloud, Etherpad, etc. See also: <https://github.com/mazi-project/guides/wiki>

[Twitter](#) [Facebook](#) [WhatsApp](#) [Google+](#)

 Was kann ich... Culture Computer 1	 Culture Computer	 Sports / Movement 1
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Openki course:

HOW TO GROW

A SMALL INTERNET IN

THE PARK

15h00-17h00



GUESTBOOK

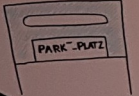
nimm.platz 

1. Verbinde




 nimm.platz

2. Gehe auf
<http://nimm.platz>

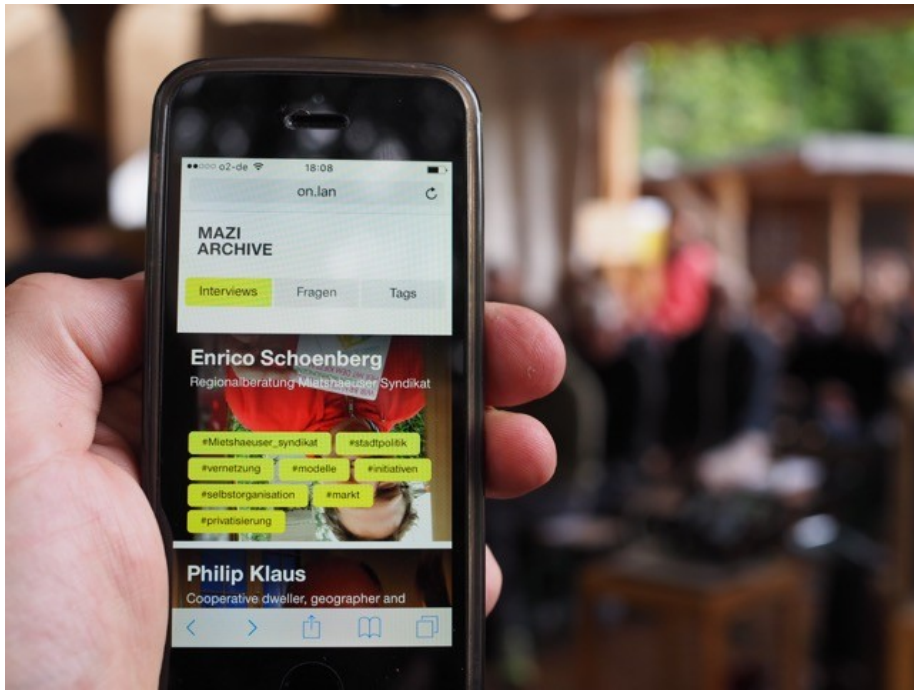


3. WAS machst
DU HIER?



Willst Du dein
eigenes Netzwerk
bauen?
Besuche den KURS auf
OPENKI.net
→ The Organic Internet





Readings w/ references

THE CONVERSATION

Academic rigour, journalistic flair

Arts + Culture Business + Economy Education Environment + Energy Health + Medicine Politics + Society **Science + Techno**

How to build a more organic internet (and stand up to corporations)

February 1, 2017 7:19am GMT



<https://theconversation.com/how-to-build-a-more-organic-internet-and-stand-up-to-corporations-70815>



Local networks for local interactions: Four reasons why and a way forward
by Panayotis Antoniadis

<http://firstmonday.org/ojs/index.php/fm/article/view/7123/5661>



[Co-Designing Economies in Transition](#) pp 235-272 | [Cite as](#)

The Organic Internet: Building Communications Networks from the Grassroots

Authors

[Authors and affiliations](#)

Panayotis Antoniadis

https://rd.springer.com/chapter/10.1007/978-3-319-66592-4_13



The Journal of Community Informatics

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LANGUAGE

English

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The Right(s) to the Hybrid City and the Role of DIY Networking

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<http://ci-journal.net/index.php/ciej/article/view/1092/1113>