

# Community Networks and DIY Networking

## Utopia, art, activism

Panayotis Antoniadis

*So, What About Politics?*

Brussels, November 3, 2017



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 ...**”

*Cities of the Sun: Urban Revolutions and the Network Commons, The Next Layer*

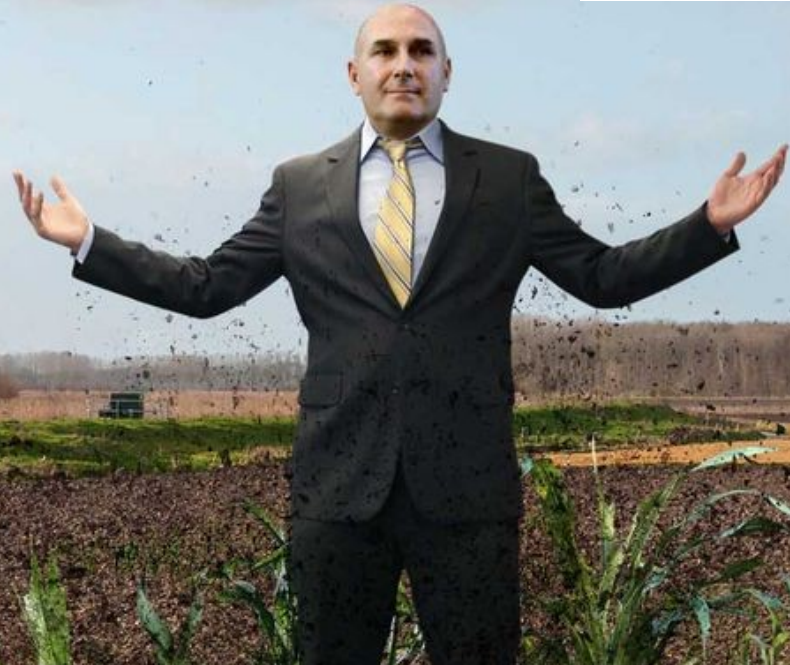




U.S. looks to Monsanto to feed the world

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'

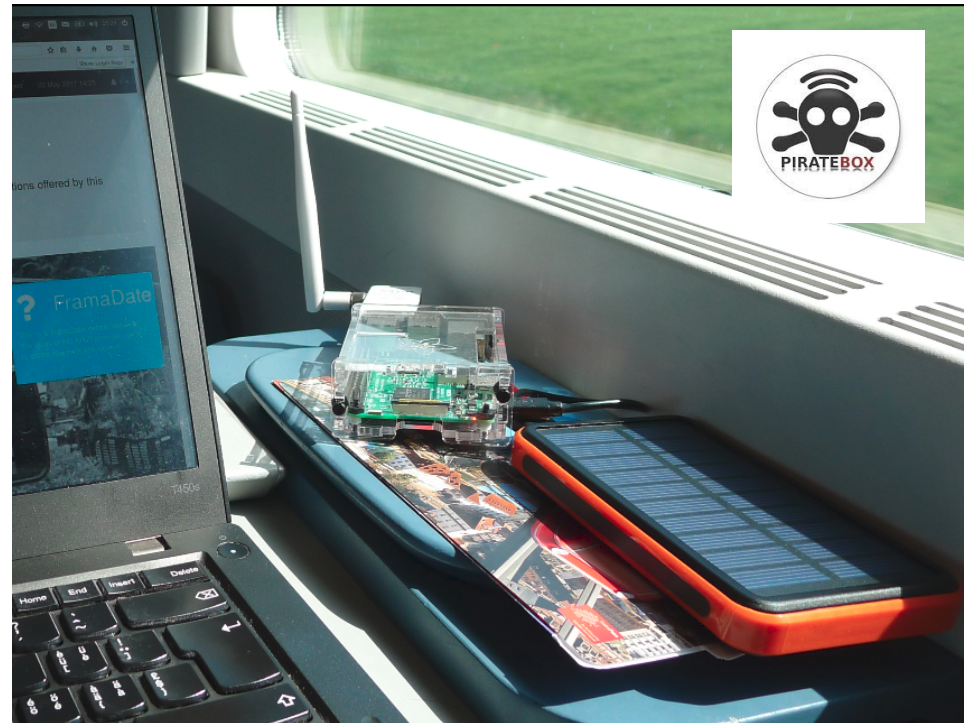


Is an **“organic” Internet** possible?

... and what about **politics**?



**guifi-net**

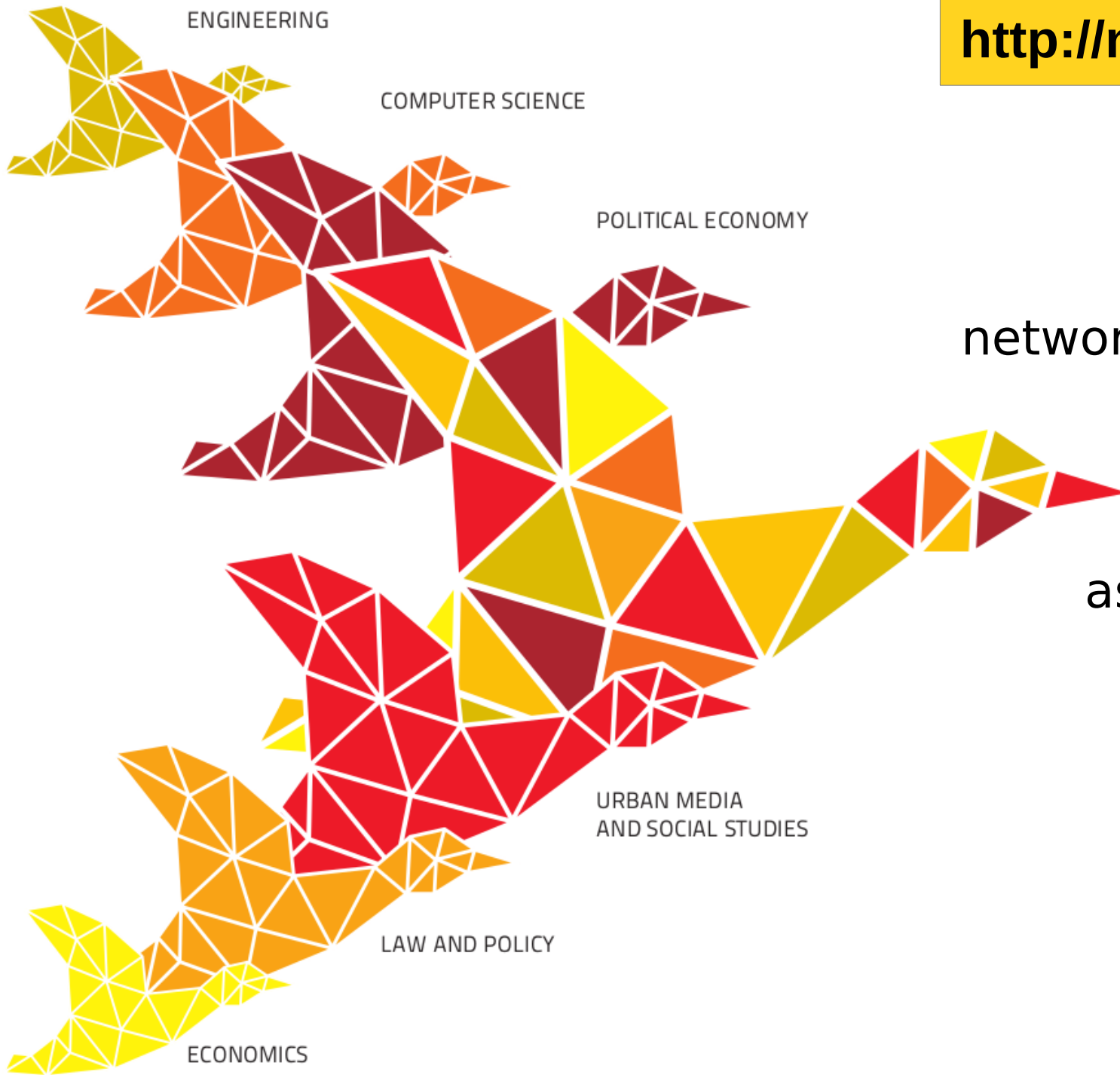




 netCommons



<http://netcommons.eu>

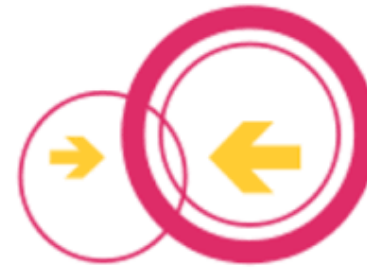


network infrastructure

as commons



Internet  
access



freifunk.net

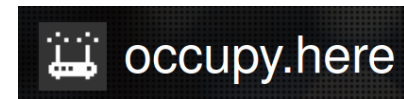
guifi.net



wlan.slovenija  
open wireless network of Slovenia



قول qaul.net



Local  
services

Introvert

Extrovert

Internet access

The right to share



freifunk.net

The right to commoning



The right to the hybrid city



Local services

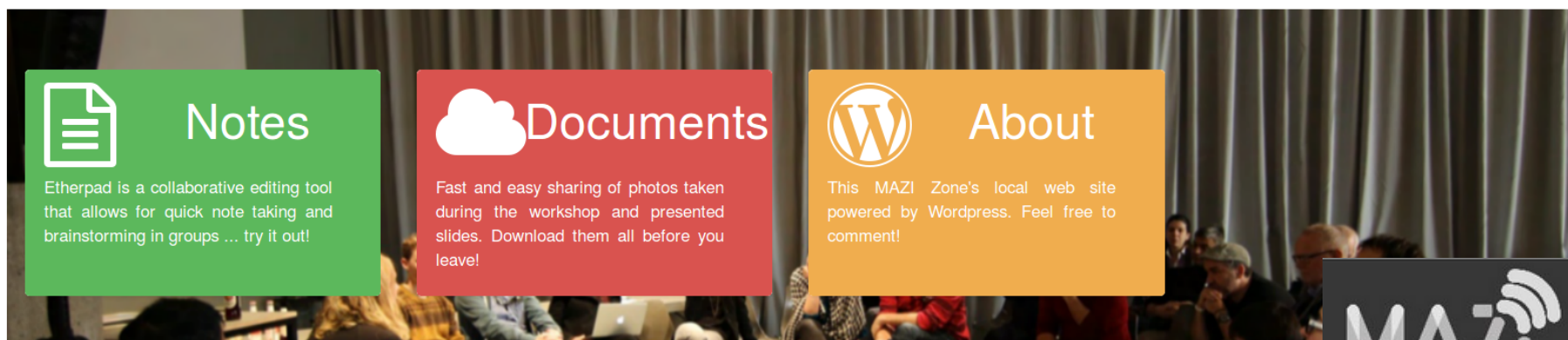
Introvert

Extrovert

# 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

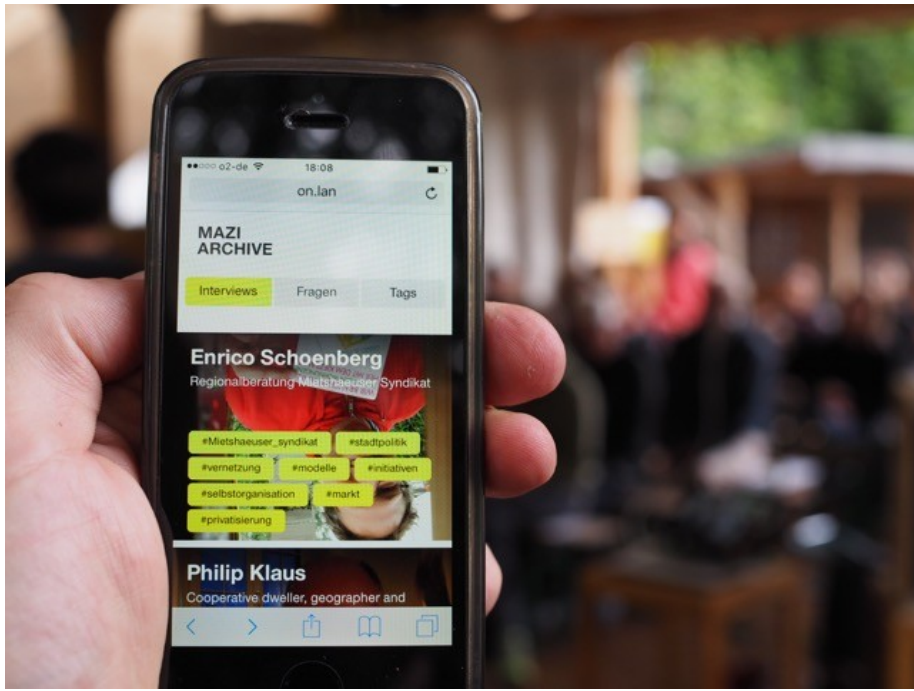
### Notifications



1

Active Portal

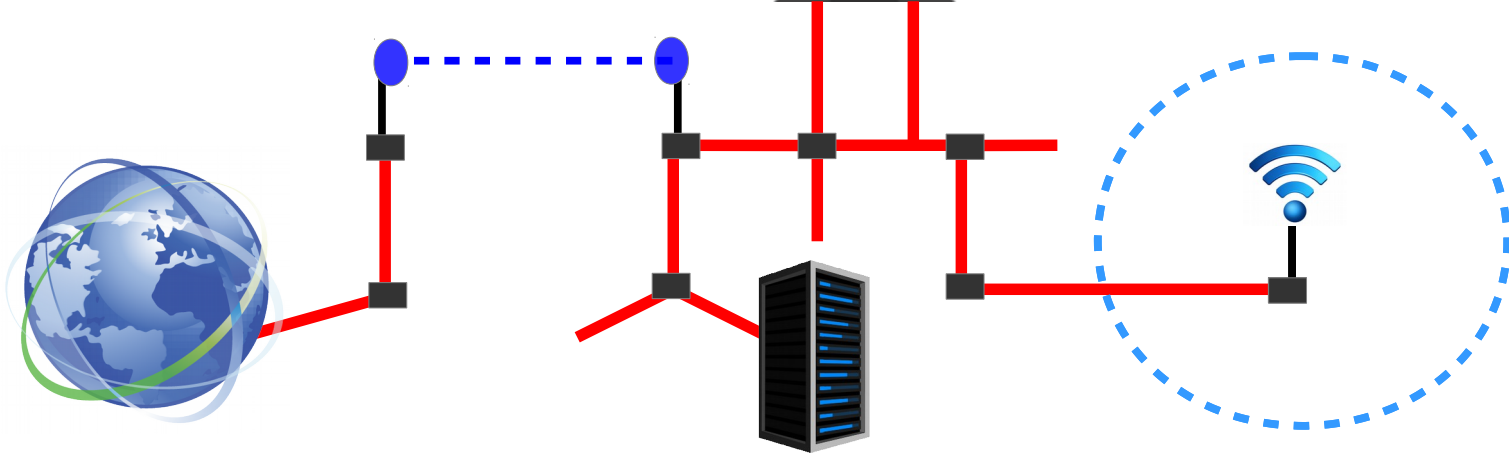




# The right to the hybrid city









gui

RED LOCK

LOOMIO



platform  
cooperativism

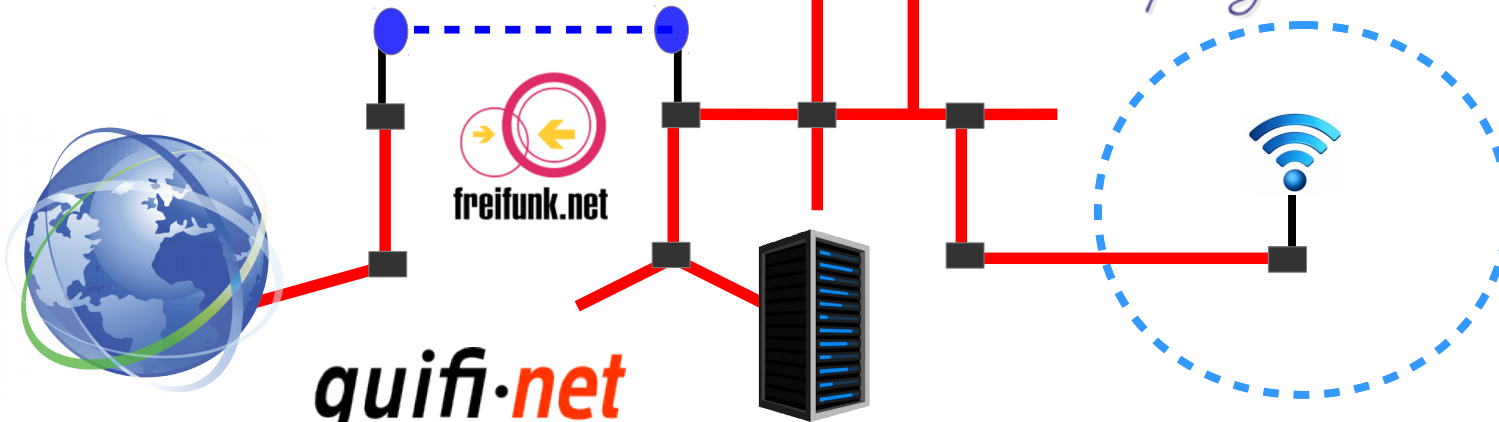
diaspora\*



WORDPRESS

netCommons

Sarantaporo.gr



RED HOOK WIFI



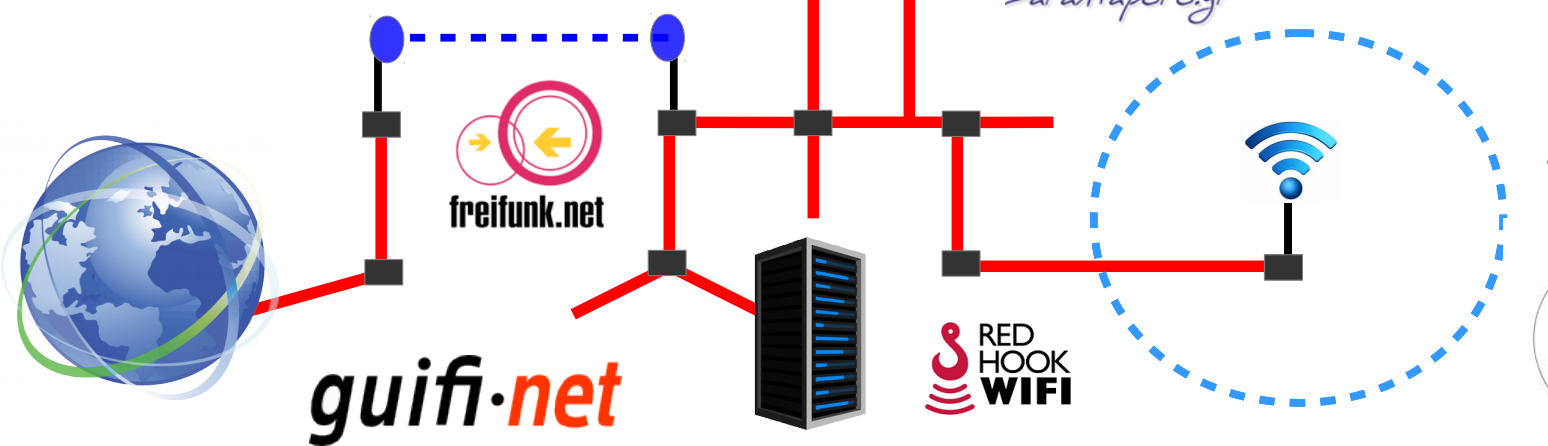


openSUSE



netCommons

Sarantaporogr



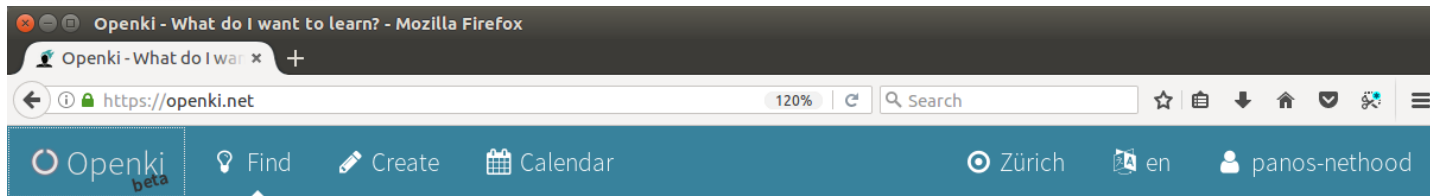
RED HOOK WIFI





# Openki - The Platform for Open Education

<http://openki.net>



## What do I want to learn?

Everything

Proposal Upcoming Resting

[+ Show all filters](#)

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

DIY networking

Myzelia (Openki) Sihlquai 131, 8005 Zürich

MAZI nethood link a group

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

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>

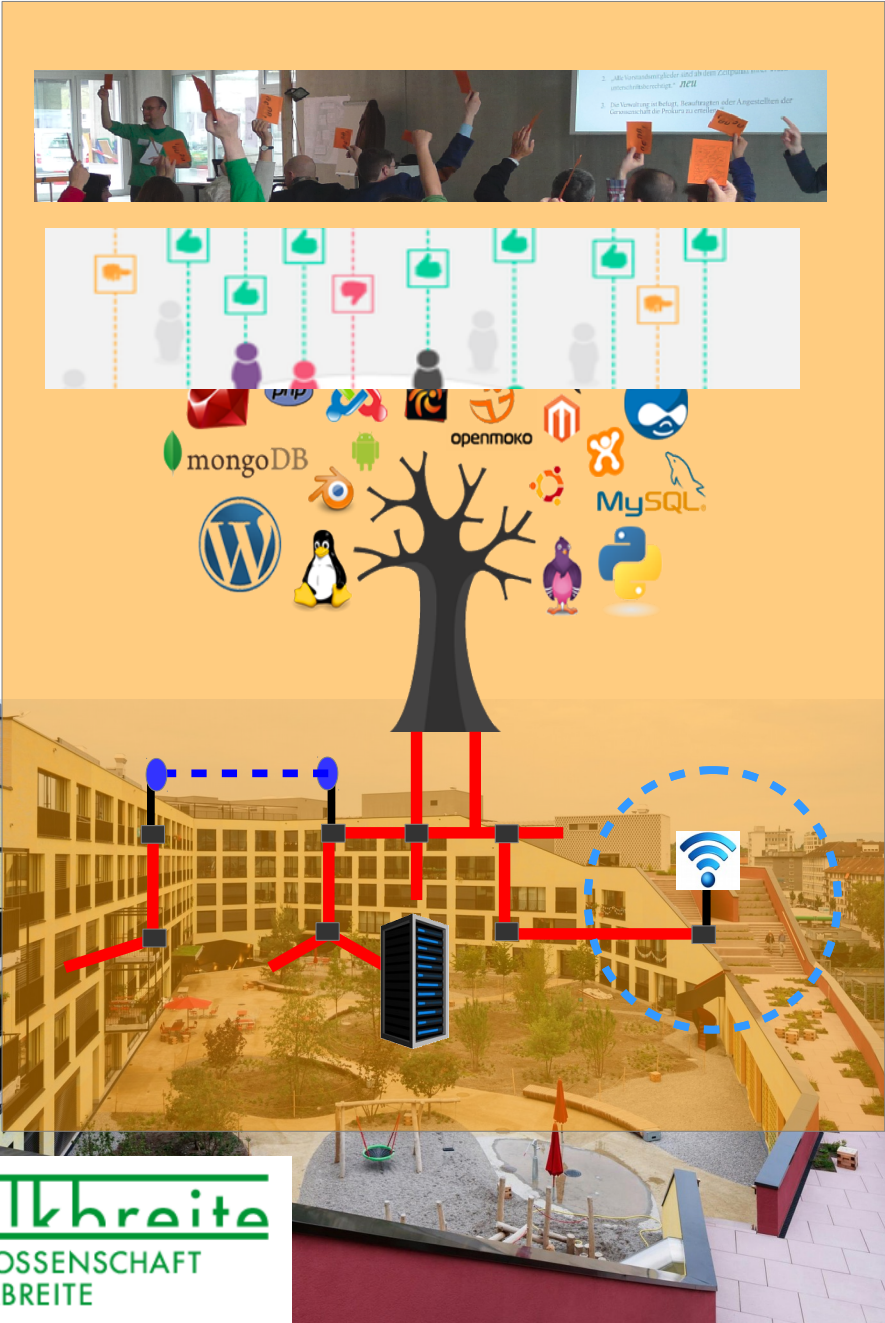


**The decentralized Internet needs roots**

**... and organic hybrid seeds (toolkits)**

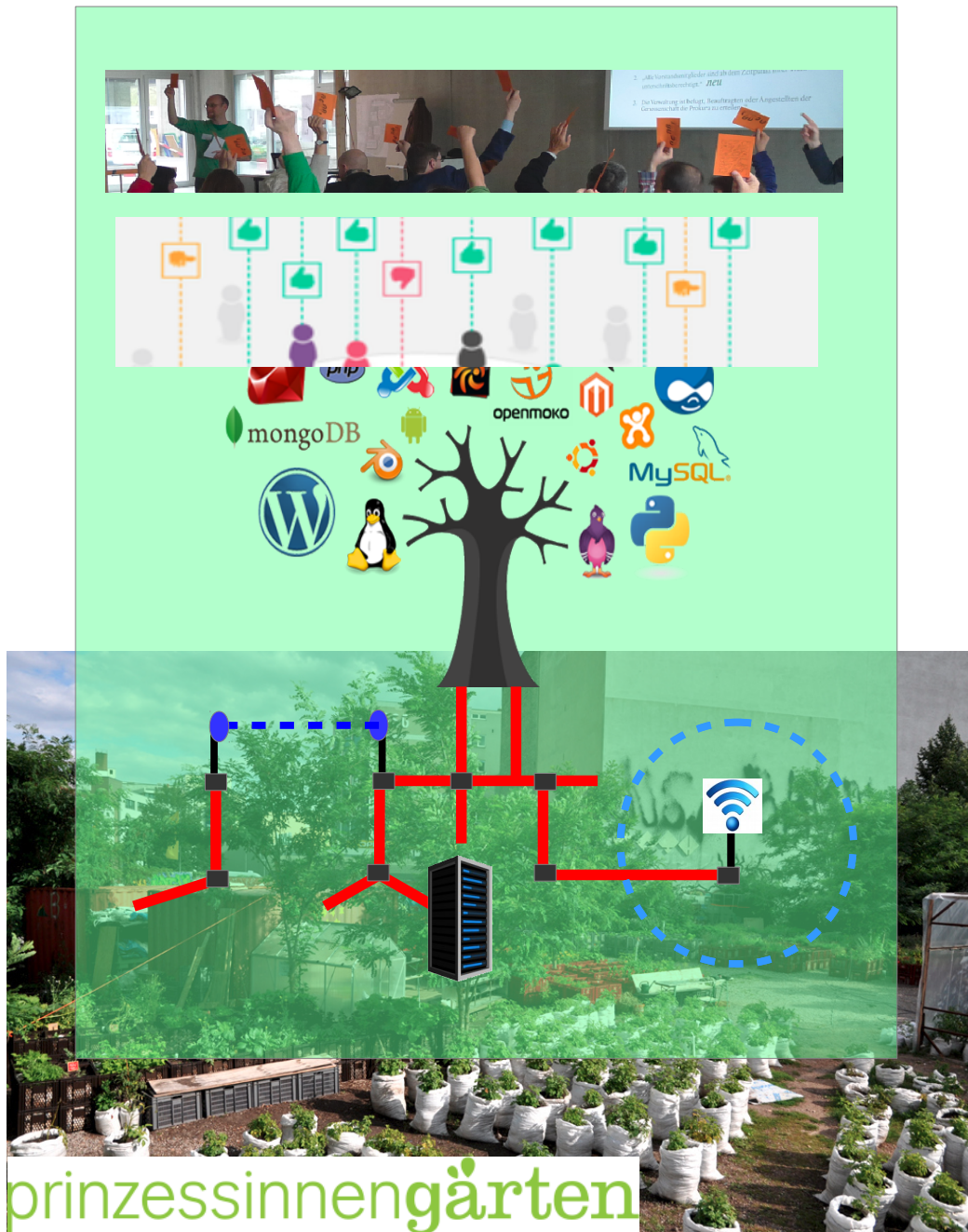


# Neighbourhood-city level



This diagram illustrates a community network for Kalkbreite. At the top, a photograph shows a group of people in a meeting holding up orange cards. Below this is a horizontal bar with social media icons (thumbs up, thumbs down, speech bubble) and a row of user avatars. A central tree graphic is surrounded by various technology logos including mongoDB, WordPress (W), Linux (Tux), openmoko, MySQL, and Python. The bottom section features a photograph of a modern residential building with a courtyard. A network diagram is overlaid on the building, showing a central server rack connected to several nodes (represented by blue circles) via red lines. A blue dashed circle highlights a specific area of the network, and a Wi-Fi symbol is placed within it.

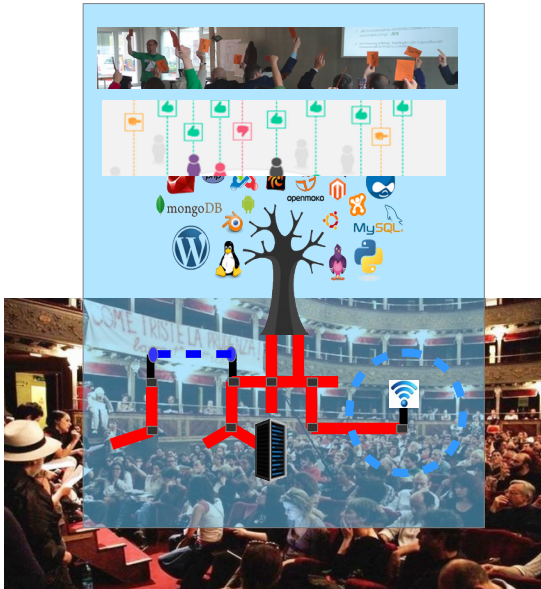
**kalkbreite**  
GENOSSENSCHAFT  
KALKBREITE



This diagram illustrates a community network for Prinzessinnengärten. It follows the same structure as the Kalkbreite diagram, starting with a meeting photograph, social media icons, and technology logos (mongoDB, WordPress, Linux, openmoko, MySQL, Python). The bottom section features a photograph of a rooftop garden with many white grow bags. A network diagram is overlaid, showing a central server rack connected to nodes via red lines. A blue dashed circle highlights a specific area, and a Wi-Fi symbol is present.

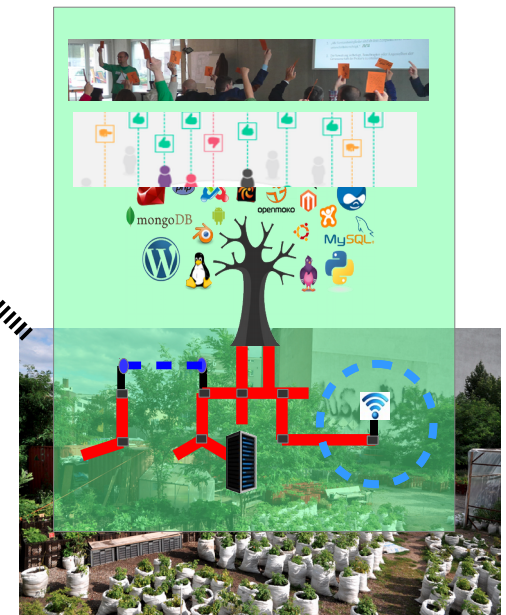
**prinzessinnengärten**

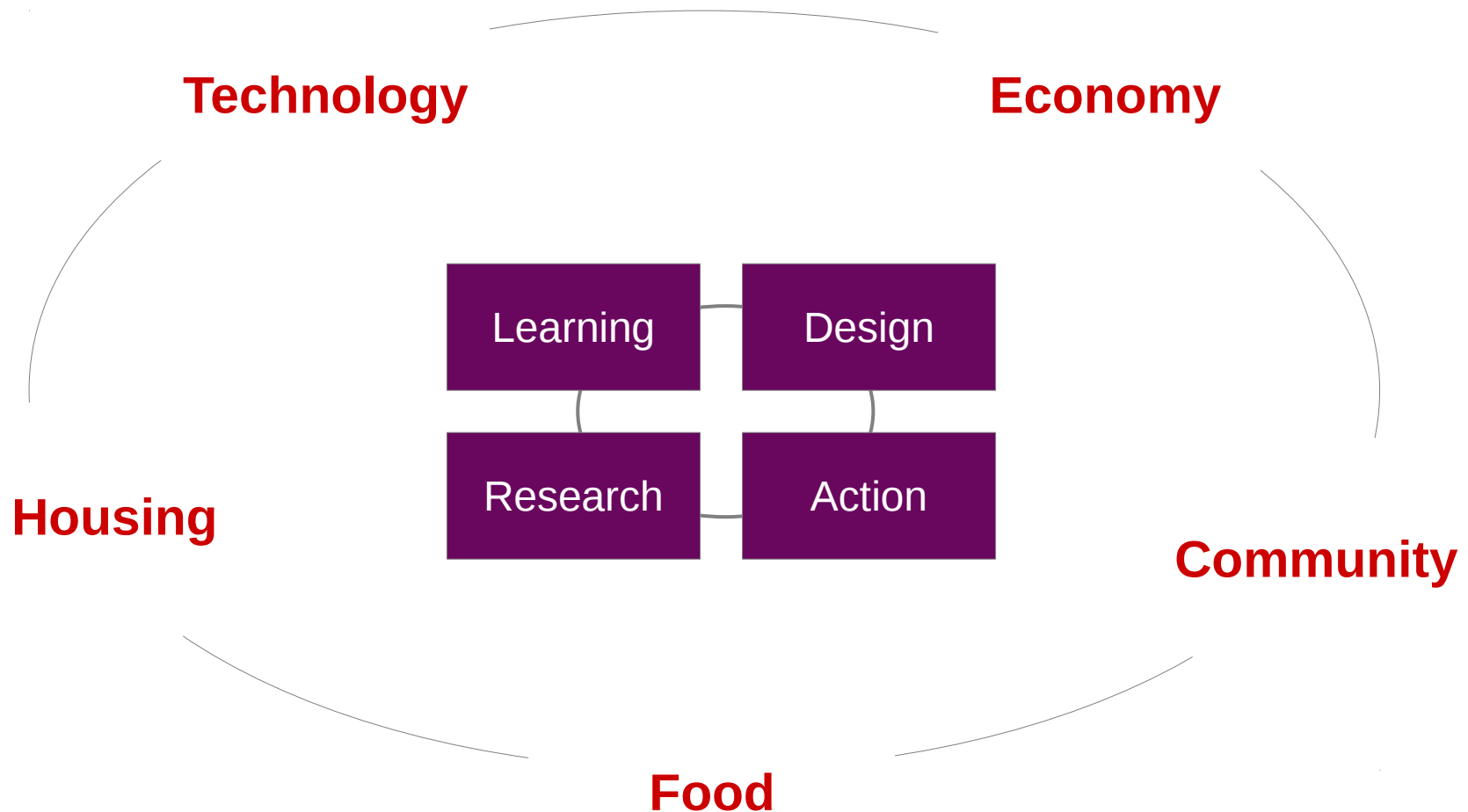
# Regional-national level




sardex.net  
Circuito di Credito Commerciale

guifi.net





# Readings w/ references

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**THE CONVERSATION**  
Academic rigour, journalistic flair

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

Q Search analysis, research, academics...

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

February 1, 2017 7:19am GMT



Author



**Panayotis Antoniadis**

Interdisciplinary researcher on hybrid space and peer-to-peer systems, Swiss Federal Institute of Technology Zurich

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

**f i r s t m o n d a y**  
PEER-REVIEWED JOURNAL ON THE INTERNET

**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>

## The Journal of Community Informatics

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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>