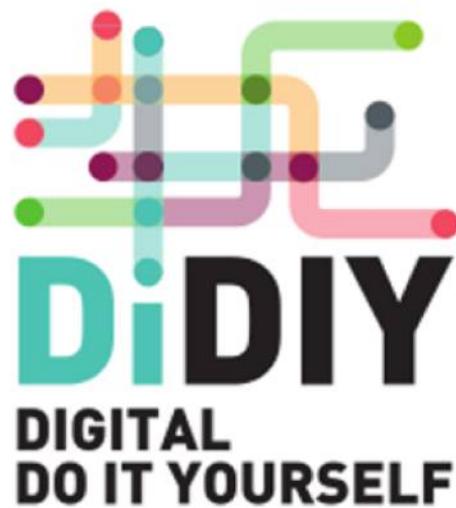


# *Digital Commons in a «glocal» world*



freetech



*IASC European  
Regional Meeting  
Berne, 13 May 2016  
Wouter Tebbens*







<http://www.onegreenplanet.org/>

# Market – State – Commons



2009, **Elinor Ostrom** receives Nobel Prize for her research on commons governance models

- free culture
- open acces
- open educational resources

free/open content

open data

open standards

Free Knowledge  
Free Technology

free software

community networks

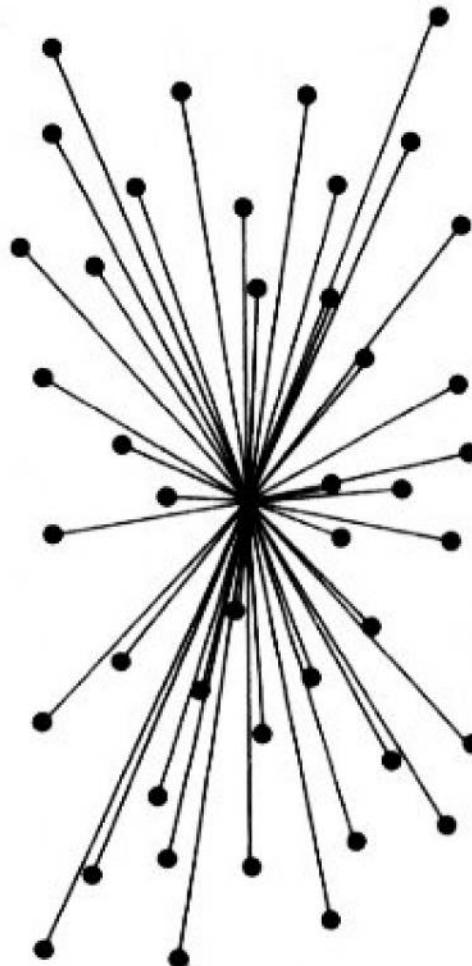
free/open design

- operating systems
- desktop
- servers
- mobile apps
- firmware
- decentralised apps  
(e.g. blockchain)

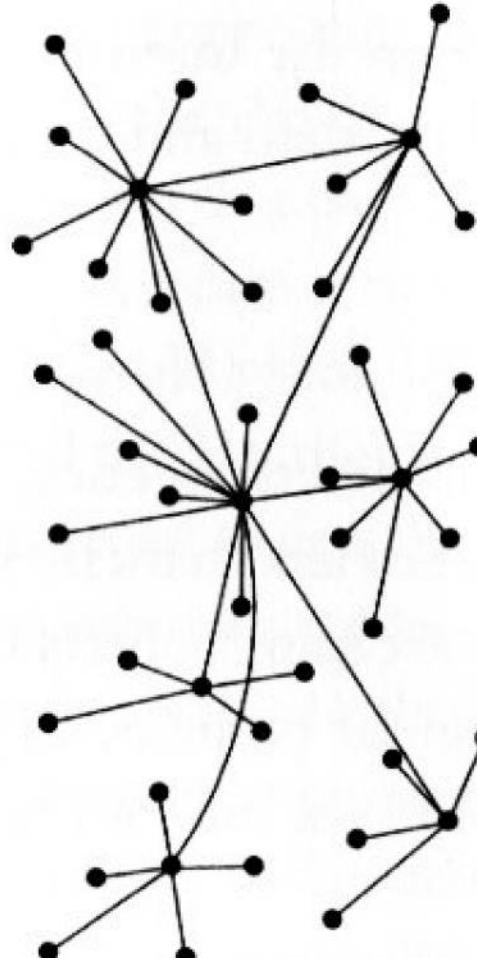
- free/open/neutral
- broadband Internet
- radio
- Internet of Things

- hardware/machines
- electronics
- circular economy
- digital fab 3D/CNC

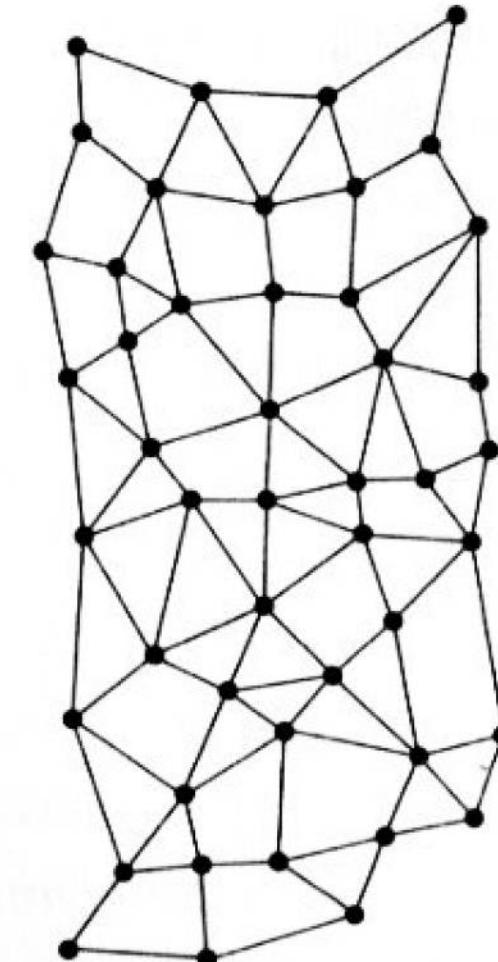
# Internet and the network society



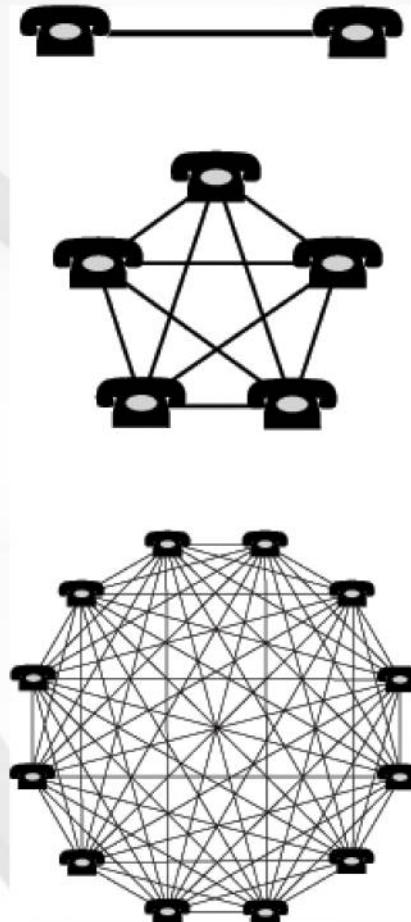
low degree of freedom



high degree of freedom



# Network effect: market failure



# (almost) zero marginal cost



cp page.html

# Permission-based society



# Knowledge Society?

- «Intellectual Property»
  - Culture of intransparency, non-sharing
- Knowledge is privatised right at birth



expression:



© All rights  
reserved

# Free Software a.k.a. O.S.S.\*

Four Freedoms assure the right:

- to use for any purpose
- to adapt to your personal needs
- to copy and share
- to distribute modified versions

\* Debian Free Software Guidelines → Open Source Definition

# Free licenses

- Use copyright to assure freedoms
- «all rights reversed»
- Duty: attribute authorship
- Two types of licenses:
  - *Copyleft*: duty to keep modified versions under the same license
  - *Permissive*: allows privatisation

# Information Economy



Y. Benkler: Wealth of Networks; J. Rifkin: Zero Marginal Cost Society; Paul Mason: Postcapitalism

# Models for Sustainability: revenue

1. value added services
2. digital → physical
3. direct contact
4. matchmaking
5. membership, cost sharing
6. public investment

Paul Stacey, Sarah Pearson: [Open Business Models](#)  
Wikipedia: [Business Models for Open Source Software](#)

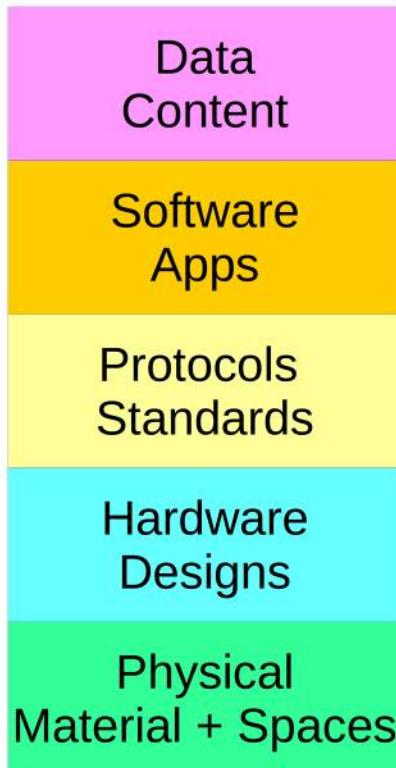
# Commons-based Peer Production

<Type of CBPP>

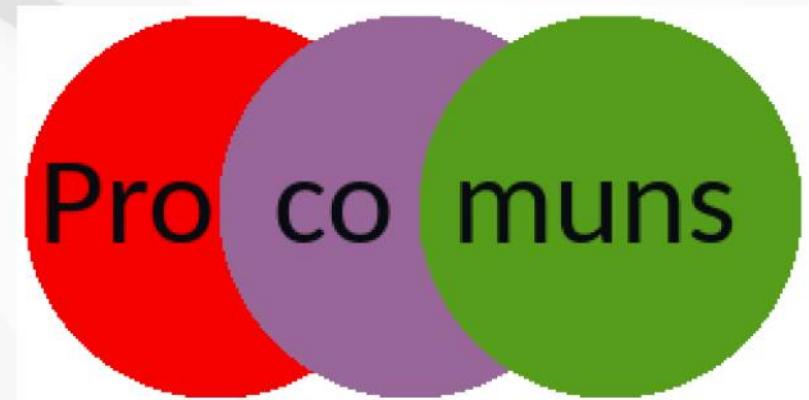


Global: <http://directory.p2pvalue.eu/> ; Catalunya: <http://directori.p2pvalue.eu/>

# Objective: Barcelona Commons Hub

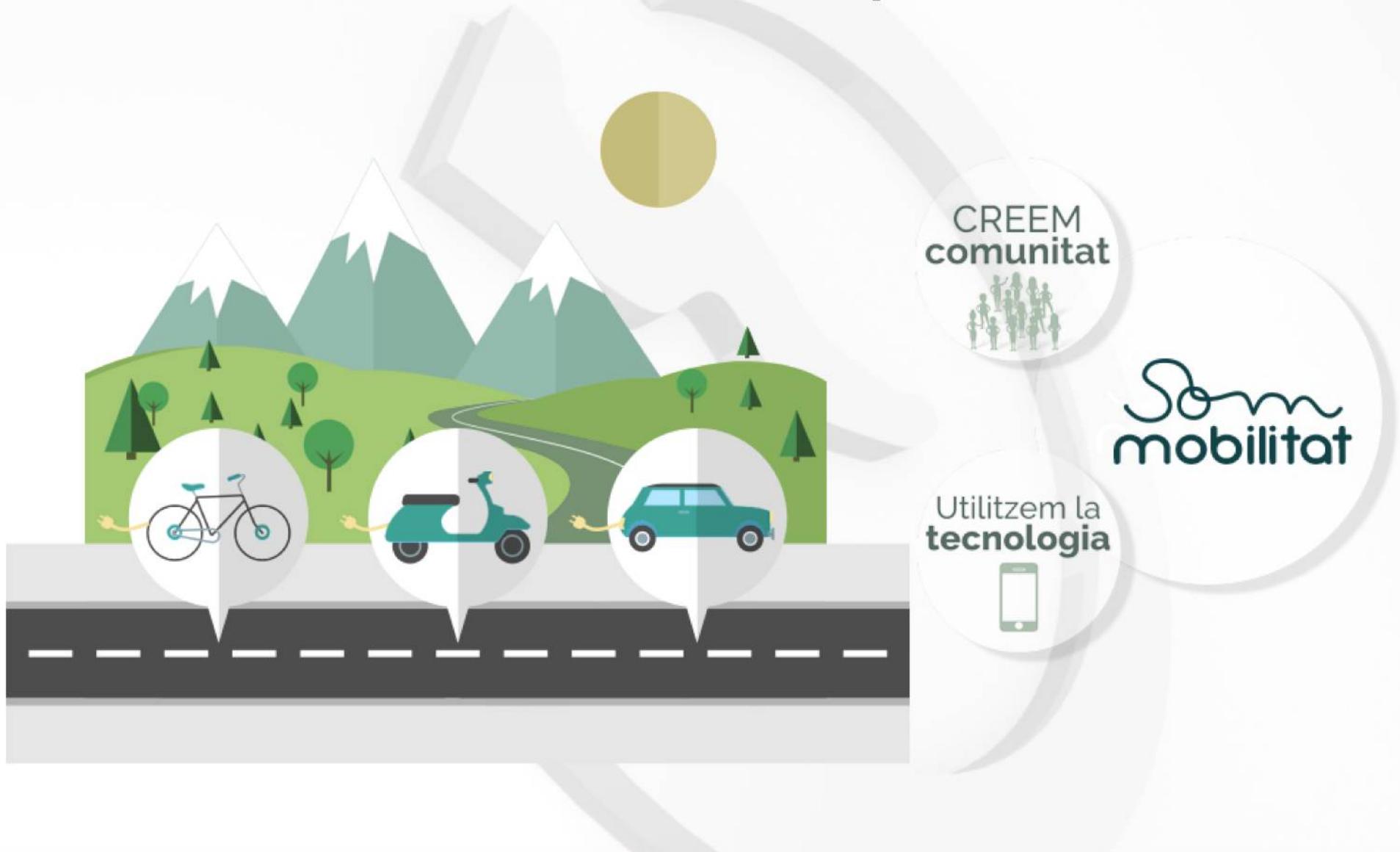


<http://procomuns.net/>



A commons-based infrastructure:  
a collaborative-competitive advantage  
for a sustainable & democratic economy

# Platform Coops



# Open Source Circular Economy



<http://preciousplastic.com>

Una economía colaborativa con ...

# guifi.net

Red en común



Ciudadanos (voluntarios)



Administraciones públicas



PYMES y Organizaciones

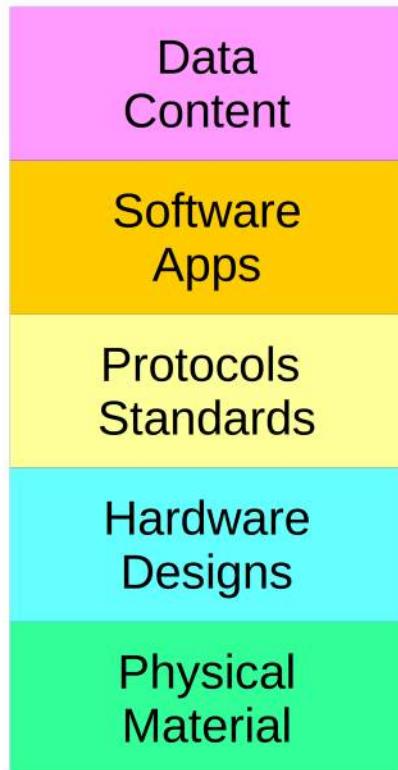
## Ecosistema: Participantes y Estamentos

guifi.net

# Things Network



# Things Network



Open Data or Private (encrypted)

Free Software

LoRaWAN Open Standard by LoRa-Alliance

Open Source Hardware / diseño libre

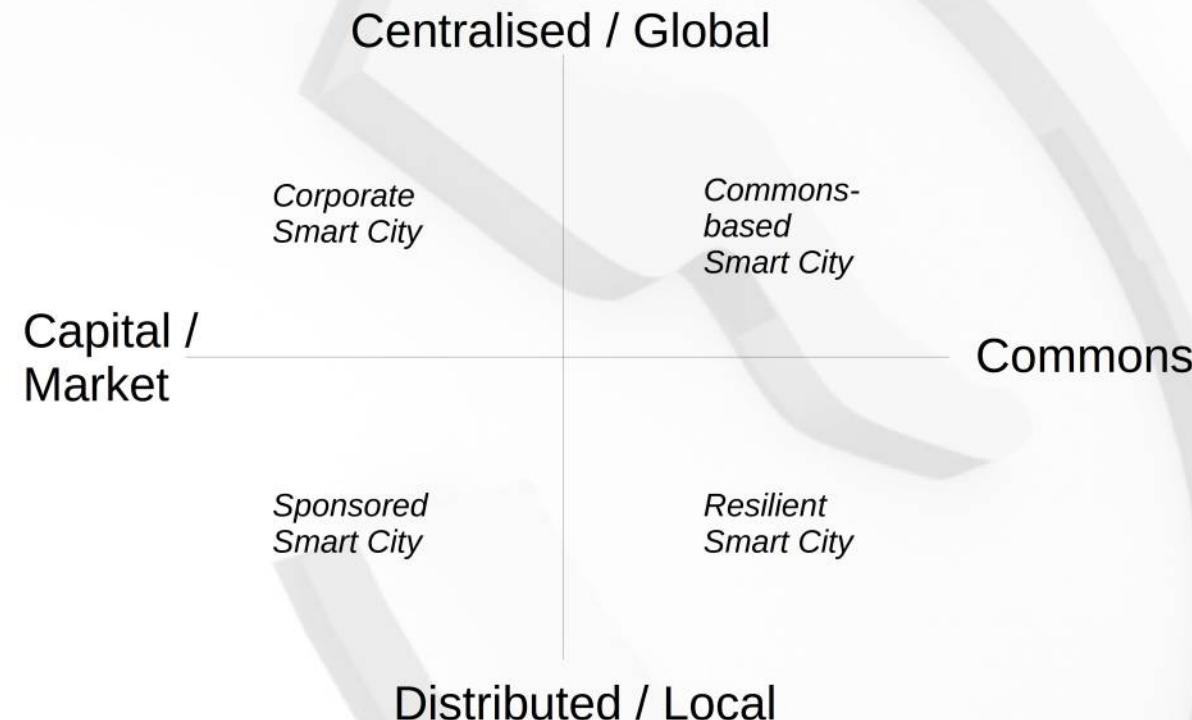
p2p crowdsourced

# Sharing Economy



By: Albert Cañigeral, OuiShare

# A smart city topology



Vasilis Niaros (2016). Introducing a Taxonomy of the “Smart City”: Towards a Commons-Oriented Approach? tripleC: Journal for a Global Sustainable Information Society.

# Thanks!

- Questions?
- We need your help!
- <http://www.didiy.eu/>
- <http://procomuns.net/>
- <http://freetnowledge.eu/>
- <http://thethingsnetwork.org/>



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