

Open Source Innovation? *A new public infrastructure?*

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Research, Innovation and Entrepreneurship:

A new agenda for the enhancement of structural competitiveness

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Open Technologies Alliance

Organisation



- ✓ Established in 2008, in operation since 1996
- ✓ members: 36 Universities and Research Centers
- ✓ non-profit organization with shareholders its members
- ✓ Board of Directors (9 members)
- ✓ Scientific Committee (27 members)
- ✓ 8 working groups (>300 members)
- ✓ Community (>9000 members)

The main objective of GFOSS



Promote Openness in:

- ✓ Education
- ✓ Public Administration
- ✓ Business





Areas of Interest

- ✓ Open Standards
- ✓ Open Source Software
 - ✓ Open Content
 - ✓ Open Hardware
 - ✓ Open Design
 - ✓ Open Data
 - ✓ Open Licenses
- ✓ Open Educational Resources



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Initiatives



(a)

Open Tech
Registries

Open Tech Registries

of people, schools and open technologies



199 Schools

https://edu.ellak.gr/mitroo_sholion/

364 Educators

https://edu.ellak.gr/mitroo_ekpedeftikon/

339 Software packages

https://edu.ellak.gr/edu_fos/



(b)

Open Technologies



Open Technologies (edu.ellak.gr)

Project Description	Strategic Partners
3D in schools	Public Schools
Hack Your Classroom	Onassis Foundation, Schools
Open Schools Programme	Municipalities, Schools
Co[de] & Create- gfoss.eu/code-create/	FCA, IOCC
EduLabs- edulabs.minedu.gov.gr	Ministry of Education
Open Robotics- robotics.ellak.gr	Universities, SEPVE , etc...
Open Labs- openlab.ellak.gr	Regions, Municipalities, Universities, Educators & Business



3

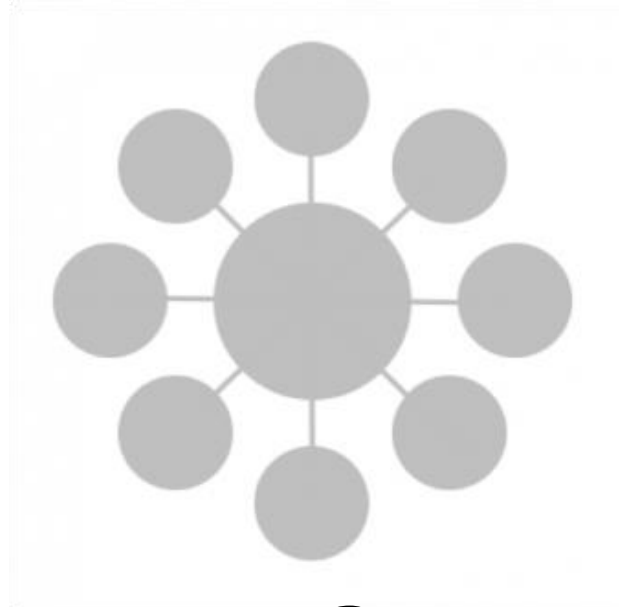
Open Source Innovation

Open Source: A Platform for Innovation



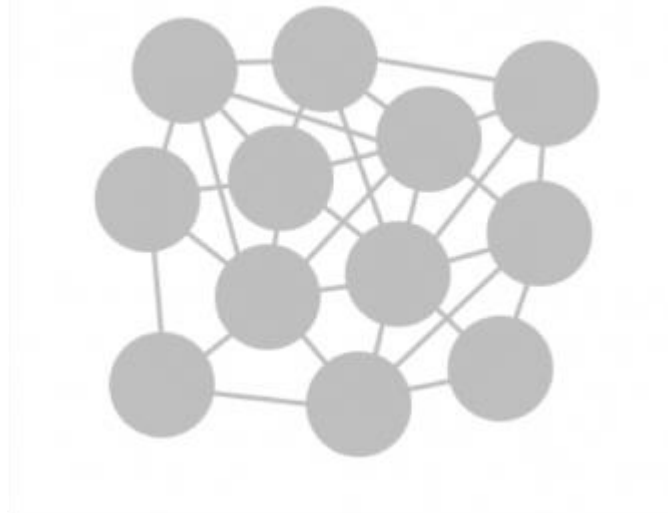
- ✓ Open Source beyond Linux
- ✓ Successful projects depend on members, developers, standards, infrastructure and Sharing-Collaboration
- ✓ People and organizations all connect to each other rather than working through one central organization
- ✓ Open Source Innovation is better for communities
- ✓ A few examples, [Let's Encrypt](#), [Automotive Grade Linux](#), [Hyperledger](#), [Tesla](#) and [Academy Software Foundation](#)

Open Innovation



VS

Open Source Innovation





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Public
infrastructures in
the digital age

Internet was build as Public Good



- ✓The internet protocols & governance **vs** The hierarchical system of doing business.
- ✓The internet was build on open source & NGI is being developed with open source.
- ✓The modular architecture of the internet facilitates the interconnection of consumers, producers, providers of services-digital products, and third-parties in the creation of new value.
- ✓All this leads to the question what will be the public infrastructure in the digital age?

The new public infrastructure?

✓ **Libraries & Labs?**

✓ Networks: fiber, wireless & sensors?

✓ Software: Open Source & Standards?

✓ Open Data & Open API's?

✓ How the new value is taxed: Google, Facebook, Amazon, Alibaba, Digital Money, Robots?

✓ Who owns mydata? Search & Social Media?

✓ Still physical is the key, how trust is secured?
Digital Signatures?

✓ *“DDOS” attacks on democracy from all sides...*



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Conclusions

Conclusions



- ✓ Collaborate + Coordinate + Socialize
- ✓ Shared development
- ✓ Use open standards and mature open source technologies
- ✓ Be Agile: Experiment, Learn & Produce open content as you go
- ✓ Make it Simple
- ✓ Open Technologies is about us humans and our environment, natural & man-made, not only the technology.



Thank you!

More information at
www.gfoss.eu