

Good Practices Repository

of responsible ICT Research and Innovation with SSH input



Title of the initiative

LA SCUOLA OPEN SOURCE

Description of Initiative

The SOS is a community of digital artisans, makers, artists, designers, programmers, pirates, dreamers and innovators. That act together, testing new research, teaching, mentoring, co-living practices and models. They design social and technological innovation and are involved in teaching for learners, freelancers and managers of all ages.

This initiative foster the ability to build relationships among researchers and developers with different backgrounds, teaming up to achieve common objectives, leveraging on education and learning.

This initiative targets at 3 different objectives:

- 1) Create communities where people with shared interest in the fields of craftsmanship, technology, science, visual arts, poetry, editing, robotics, domotics, biology, electronics and more can gather, socialize and/or cooperate;
- 2) Re-use obsolete technology with the aim of promoting their smart upcycling;
- 3) Organise small workshops offering customized digital fabrication services, equipped with a kit of fast prototyping tools (3d printing, laser cut, etc.). The SSH has been integrated into the methods as follows: a) Use of co-design as a “catalyst to collectively redefine our relationship with reality”, envisioning things for how they could be, altogether; b) Learning-by-doing, because teaching should be always combined with a continuous activity of research and exploration. Situational learning, are absolutely central in our vision and in the project we intend to realize; c) Hacker ethics. Linux’s big innovation was not the Operating System, but



the open social dynamic that was set up to make that project happen; d) Osmosis. The SOS intends to facilitate and generate osmotic processes between experiences and skills, aiming to increase everyone's intrinsic value for the community. The SOS promotes an alternative and aware approach to designing and production processes, stimulating self-production as a form of self-employment. The training content and the solutions are ready and available at the end of each training session. The training course can be accessed by fee payment. Several grants are available, covering partially or totally the cost for students.

The SOS seeks for private funding and donations of stakeholders to sustain the courses. They set up a fund to finance the assignment of SOS scholarships through donations made by individuals, institutions or companies.

<http://www.lascuolaopensource.xyz/en/grants>

Contamination, hackers, makers, education, handcraft

Type of Output of Initiative

Training or sharing information about the integration of SSH advice into ICTs | Design of new SSH-inclusive ICTs | Establishment of a Community of interest

Geographic scale of the initiative

Regional
National

Website

<http://www.lascuolaopensource.xyz/en/>

Status of the initiative

Running



Users' target group(s)

ICT developers / researchers | SSH scientists / researchers | General public level | Local Administrations | Industries

RRI dimensions involved

It has been taken into account the ethical impact. (Ethics)

The requests of civil society have been evaluated. (Public Engagement)

The representatives of civil society have been provided with the knowledge and skills to actively participate in the initiative. (Science Education)

The outcomes of the activities have been / are being published for free access. (Open Access)

SSH disciplines involved

Arts | Philosophy | Psychology

ICT domain involved in the initiative, both for the activities and as for output.

Components and systems, Cyber-Physical Systems, Miniaturised Electronic Systems, Thin, Organic Electronics

Content technologies and information management, big data, open data, languages learning and teaching technologies, creative technologies, gaming and new interactions technologies

Method used to exchange information and knowledge to include the RRI principles into the ICT research and innovation processes

Cooperative workshops

Focus groups

Adaptation of the (digital) content

Participation and engagement of people and organizations in the implementation of the initiative

They all participate into a funded project/initiative

Fee-token / payment for participation

Voluntary basis

As activity of their work

Through sectoral associations

Number of people participating

>1000

Number of organizations participating

>50

Number of events held

>100

Number of researchers (ICT+SSH) involved

>50

Number of women involved

>200

Number of joint discussion themes

>50

Who sustained the cost / effort

Shared with target stakeholders

How it is / has been funded this initiative?

Crowdsourcing

Participant fees

Notes

The owner is the organisation: The Educational Institute, Centre for Research and Consultancy — in Art and Technology — for Industry, Trade and Handicraft (digital or not).

Other links are:

<http://www.lascuolaopensource.xyz/en/research>

<https://www.facebook.com/scuolaopensource/>

<http://www.lascuolaopensource.xyz/en/manifesto>