Digital Sustainability

CERN

Scarcity is Entering the Net

CERN

Meike Richter

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concept of sustainability tied to analogue world

environment, environment protection

take care of resources -> limited

original internet: by default, absence of scarcity

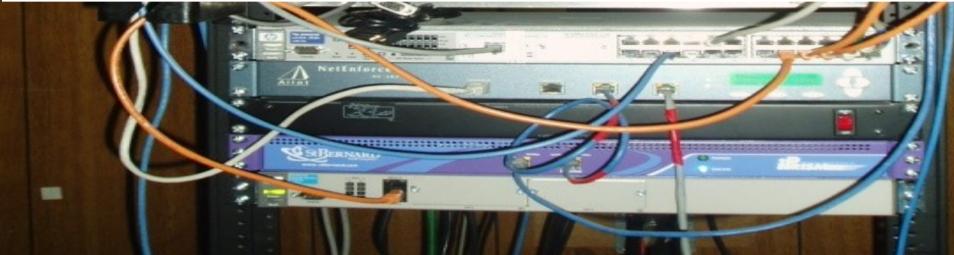
information grows by sharing

main argument



legal, political, technical parameters which reduce information flow

->framework of sustainability for the net



overview

sustainability

IPR =

threats

cease-and-desist

end of net neutrality

security measures

information preservation

conclusion

the big myth

internet: space for everybody, for every activity, opinion

the truth

informational sphere is under attack

era of information overflow is ending

4.205.230.110

230.118

287.205.249.117

.205.230.128

207.205.230.184

207.205



offline rules scarcity

fair distribution of material goods, resources is an impossible dream

exploitation of material resources is harming our environment

def. sustainability

do not consume more than can be regenerated

preserve environment, resources for future generations

information age

information = oil of the 21. century

information= trade commodity

exploitation of this resource is harming our online-environment



digital sustainability?

shift our lifes into the online world

absence of a political framework

mistake

net is in danger

IPR: copyright

internet: system breaks down

1 file supplies all internet-users

free copying is a characteristic of the net

internet threatens analogue business models

reactions:

strengthening copyright

DRM

lawsuits

IPR: copyright

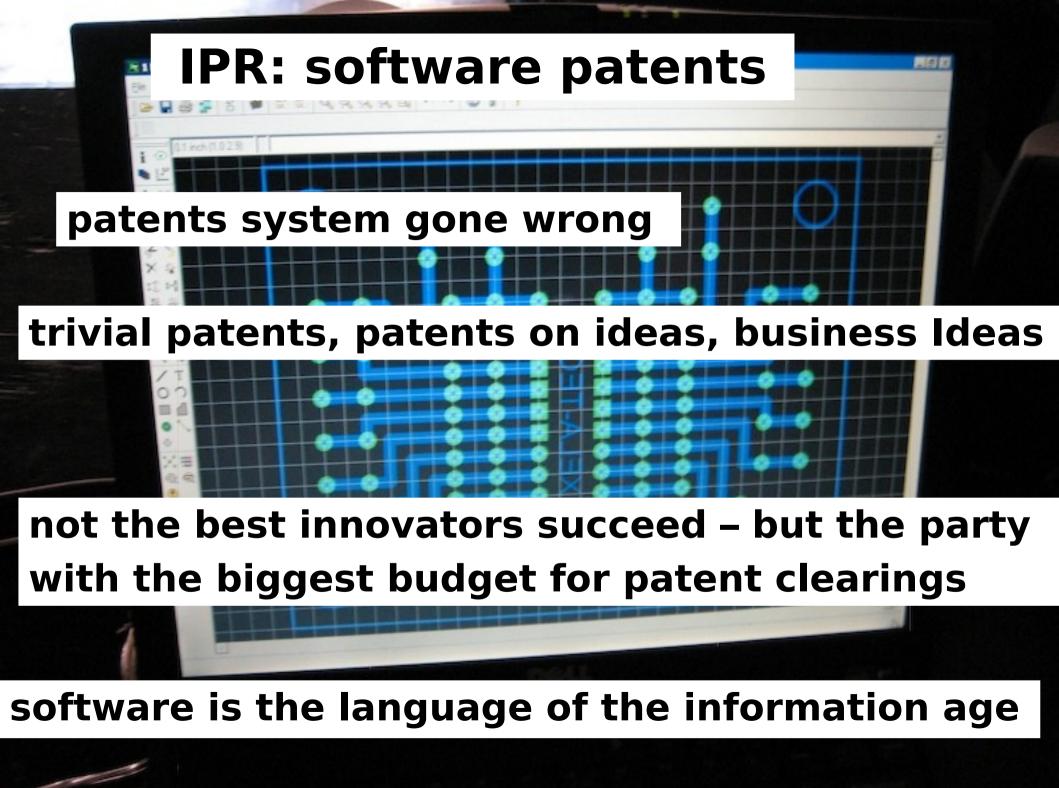
effects

harms free speech

expression of creative practices is suppressed

threatens public domain, artistic work

copyright censors behaviour, information becomes scarce sampling, mashups, fair use



outbalanced IPR

"permission culture" (Larry Lessig)

scarcity

cease-and-desist

blogosphere, internet forums

media for public debates

links, comments

harms free speech

oppress public discussion

end-to-end-argument

how do new applications enter the Internet?

def. end-to-end

open design principle

power of the net comes from its borders

"original Internet"

Taples

net-neutrality

def: equal treatment of data traffic



independent of source, service, broadband consumption

gatekeeper: telcos, ISPs

"Tony-Soprano-model"



without net-neutrality

innovation becomes scarce

certain content becomes scarce

threatens free speech

end of free information flow

security measures

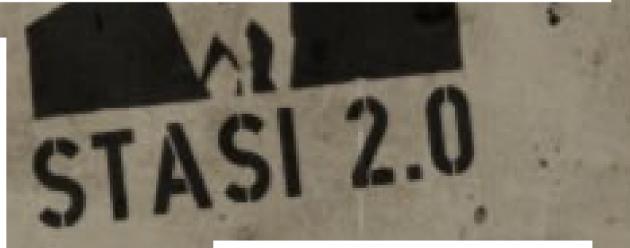
internet is easier to control than meatspace

police officer for every family? sure!

data retention

storage of internet traffic, telephony, E-Mail

mass surveillance, identify relationships, business contacts, get hints of the interests of people



Bundestrojaner

security measures

Minority-Report

thought-control

MINORITY REPORT

EVERYBODY RUNS JUNE 21

WWW.MINORITYREPORT.COM



"Does my data record look suspicious?"



political engagement stays out of the net

self-censorship, censorship

preservation of information

proprietary standards, formats

DRM

digital knowledge gets lost

paradox

internet: endless reservoir

outbalanced IPR

cease-and-desist

undermining of net neutrality

excessive security measures

introduction of scarcity

effects on (digital) freedom/ civil rights

framework for digital sustainability

bring the issue on political agendas

into peoples' minds

what kind of concept?

meta concept

everyone can connect to

network effects

IPR reformer, net neutrality & surveillance activists

J. Boyle: environmentalism for the net?

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May:04:01

to protect the public domain

IPR

take environmental movement as a role model

achievement: introduction of environment

everyone can identify with

digital sustainability

term is a way to hack media

sustainability opens doors

oil is exhaustible

internet does not function by itself

what can you do?

public domain, creative commons

free/open source software

contribute

know your rights

fight for them

Thank you!

Questions? Comments Contact: www.commonspage.net Mail: meike@commonspage.net

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