

Reaching people with open source creative technology

Dave Griffiths/FoAM Kernow

~~Reaching~~ Empowering people with open source creative technology

Dave Griffiths/FoAM Kernow

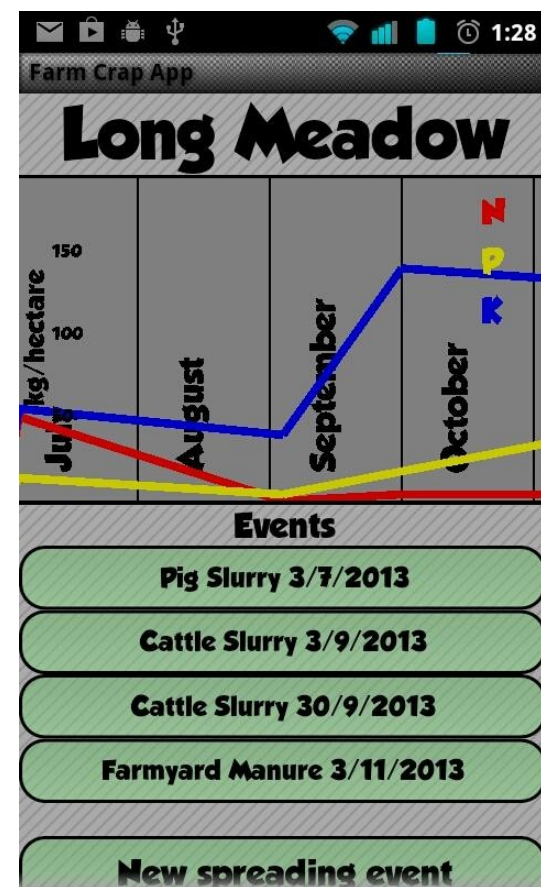


WHERE IS THAT NIGHTJAR

Hunt nightjars and help us with our research

[Back to site](#) [Start playing](#)

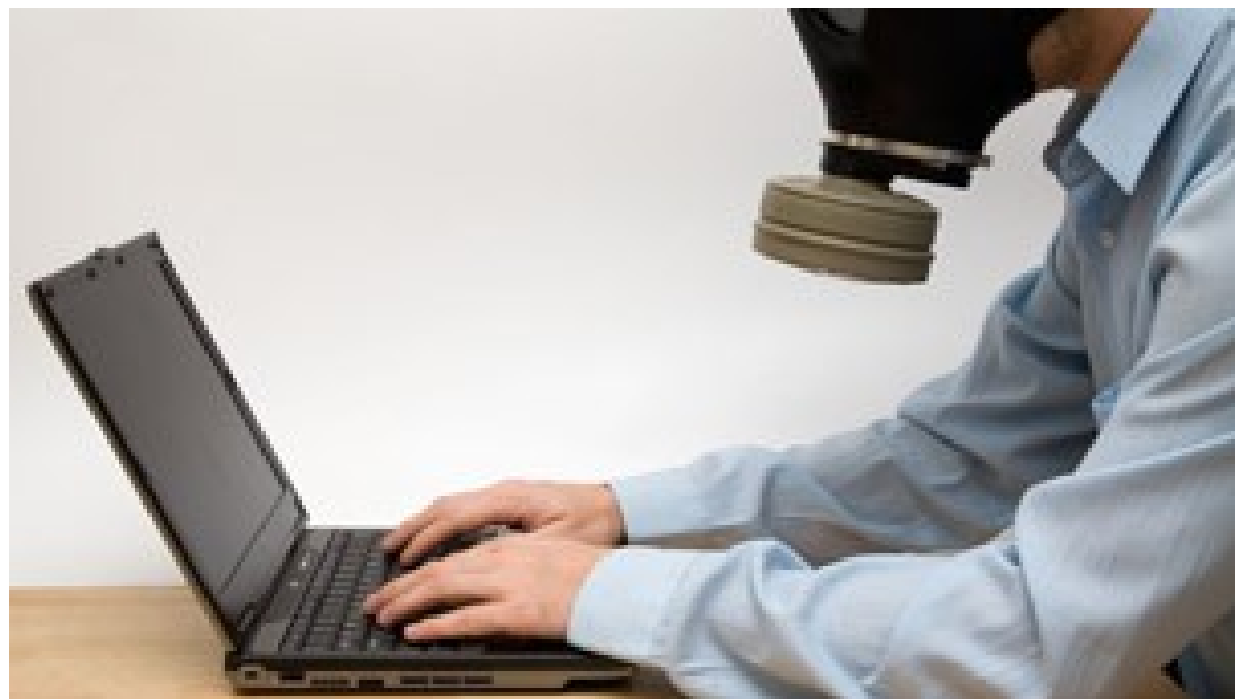
Sensory Ecology & Evolution UNIVERSITY OF EXETER UNIVERSITY OF CAMBRIDGE BBSI bioscience for the future



Perceptions of technology

```
top - 09:24:15 up 42 min,  2 users,  load average: 0.64, 0.40, 0.26
Tasks: 102 total,   2 running, 100 sleeping,   0 stopped,   0 zombie
Cpu(s):  5.3%us, 13.3%sy,  0.0%ni, 80.3%id,  1.0%wa,  0.0%hi,  0.0%si,  0.0%st
Mem:   775280k total,  635608k used,  139672k free,   36112k buffers
Swap:  497972k total,    0k used,  497972k free,  340472k cached
```

PID	USER	PR	NI	VIRT	RES	SHR	S	%CPU	%MEM	TIME+	COMMAND
4807	root	20	0	69208	22m	8816	S	7.7	3.0	1:33.13	Xorg
5192	roger	20	0	15348	2692	1700	S	4.0	0.3	0:19.38	gnome-screensav
5193	roger	20	0	20692	11m	7508	S	1.3	1.6	0:14.84	metacity
6916	roger	20	0	28656	15m	9176	S	1.3	2.0	0:00.36	gnome-screensho
5057	roger	20	0	7228	4216	916	S	0.7	0.6	0:01.66	gconfd-2
5168	roger	20	0	47760	27m	8808	S	0.7	2.4	0:04.04	gnome-settings-
5195	roger	20	0	38968	21m	13m	S	0.7	2.9	0:16.98	gnome-panel
6899	roger	20	0	2108	1104	852	R	0.7	0.1	0:00.10	top
5196	roger	20	0	71232	32m	14m	S	0.3	4.2	0:04.88	nautilus
6590	roger	20	0	151m	64m	22m	S	0.3	8.0	0:44.37	firefox
6859	roger	20	0	96968	26m	14m	R	0.3	5.5	0:01.58	gnome-terminal
1	root	0	0	2844	1692	544	S	0.0	0.2	0:01.48	init
2	root	0	-5	0	0	0	S	0.0	0.0	0:00.02	kthreadd
3	root	RT	-5	0	0	0	S	0.0	0.0	0:00.00	migration/0
4	root	15	-5	0	0	0	S	0.0	0.0	0:00.00	softirqd/0
5	root	RT	-5	0	0	0	S	0.0	0.0	0:00.00	watchdog/0
6	root	15	-5	0	0	0	S	0.0	0.0	0:00.16	events/0
7	root	15	-5	0	0	0	S	0.0	0.0	0:00.06	khelper





```
22/tcp      state      service  
open        ssh
```

0 exact OS matches for host

map run completed -- 1 IP address (1 host up) scanned

sshnuke 10.2.2.2 -rootpw="210N0101"

connecting to 10.2.2.2:ssh ... successful.

attempting to exploit SSHv1 CRC32 ... successful.

setting root password to "210N0101".

system open: Access Level <9>

ssh 10.2.2.2 -l root

root@10.2.2.2's password:

☐ ☐ enter password ☐



$$\frac{1 + 10(RP - Ra)(400)}{1000} = 0$$

$$RP = 11$$

Myths:
Code is scary!
Programming is a dark art!
Black boxes...
Realm of pure maths...
Only for experts.



Digital Divide

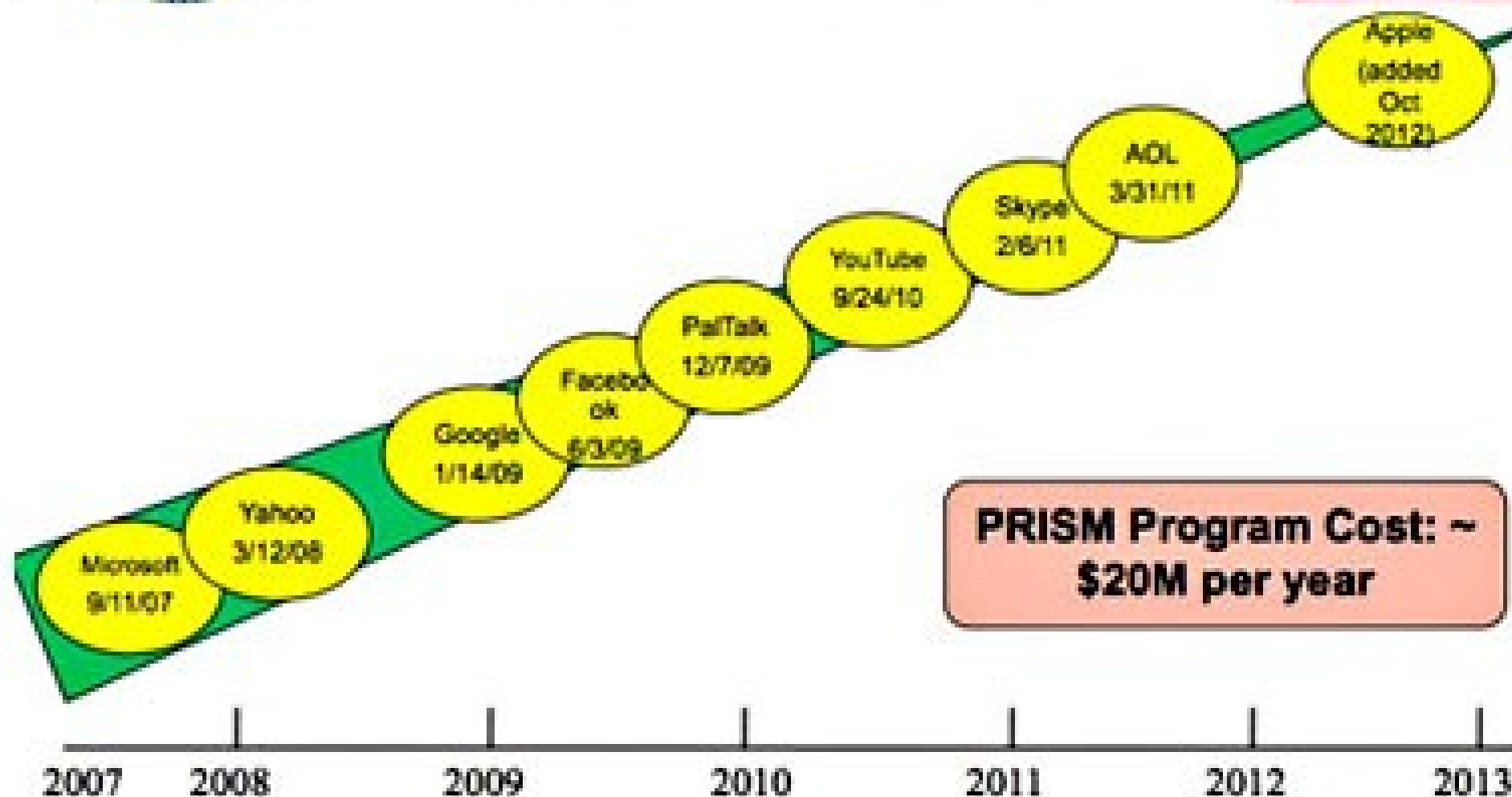
Those with/without access to technology

Producers/consumers of technology

Increasingly political...

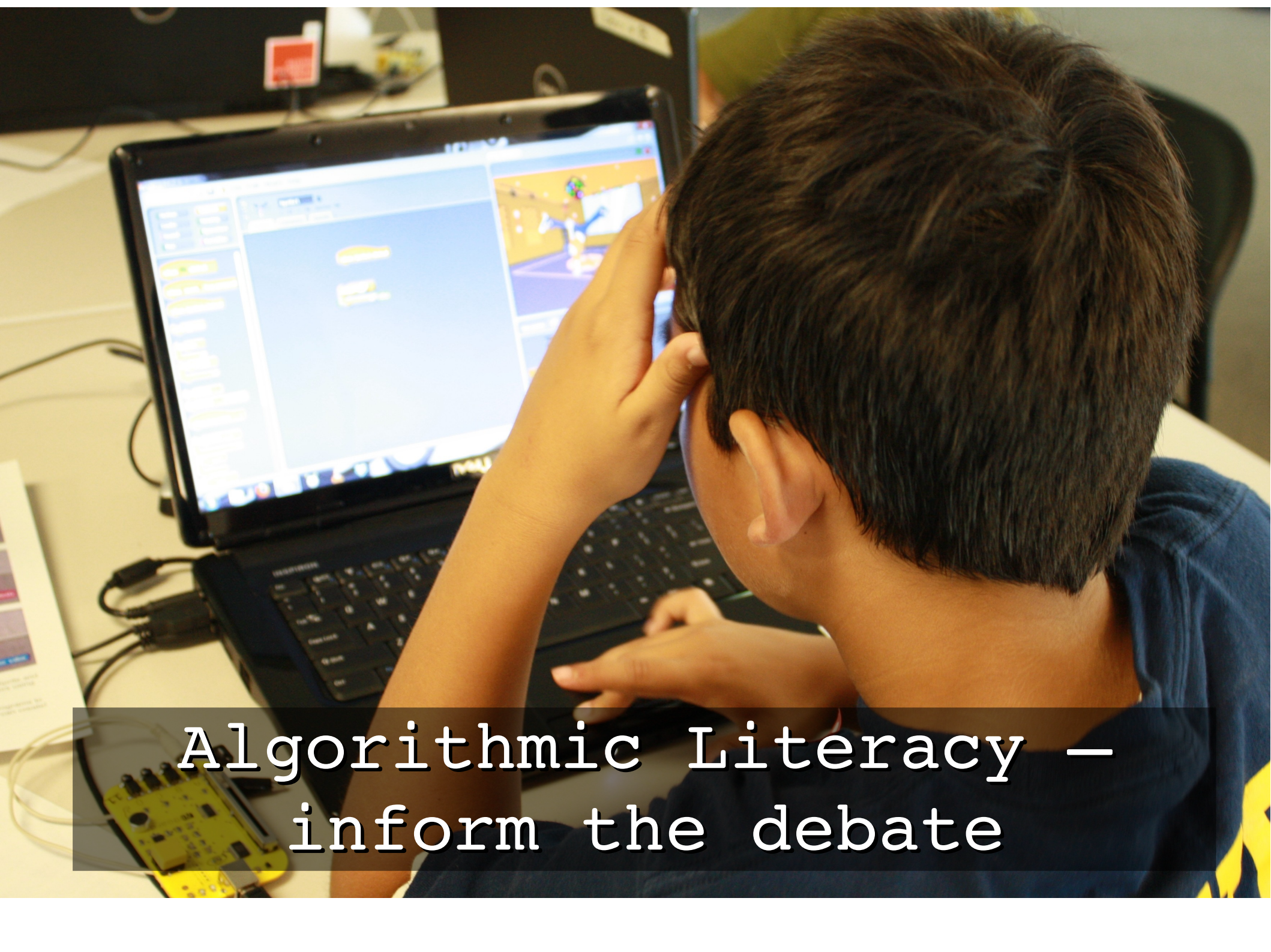


(TS//SI//NF) **Dates When PRISM Collection Began For Each Provider**





"Nasty source code or software that's flying through the Internet, that's developed, and it's very sophisticated, by the Chinese and the Russians and the Iranians and other groups and non-nation-state actors that are going to steal your personal information."



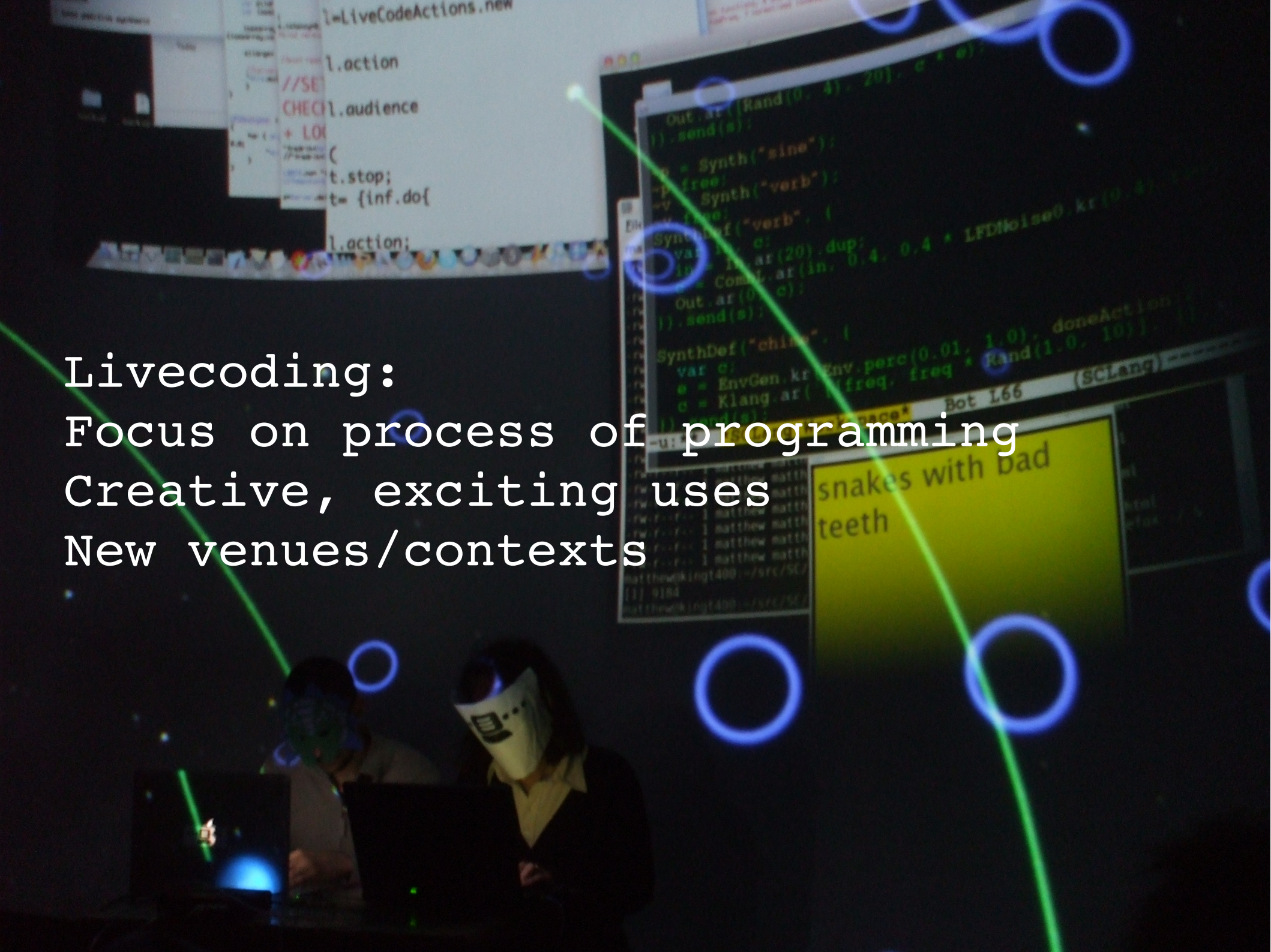
Algorithmic Literacy –
inform the debate

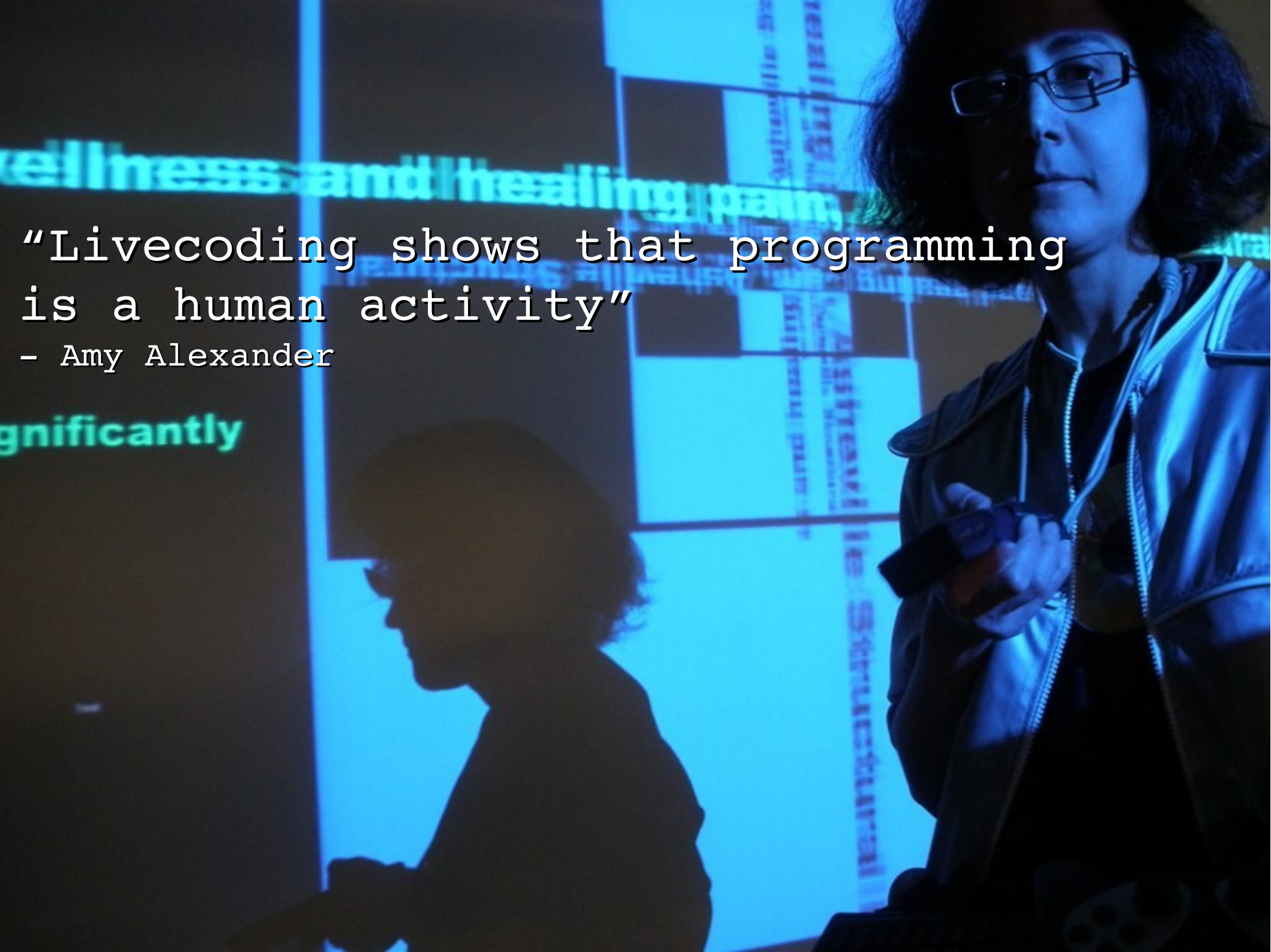
ira Cardenas (stopping ? 3m20s)

e Manu



Livecoding:
Focus on process of programming
Creative, exciting uses
New venues/contexts



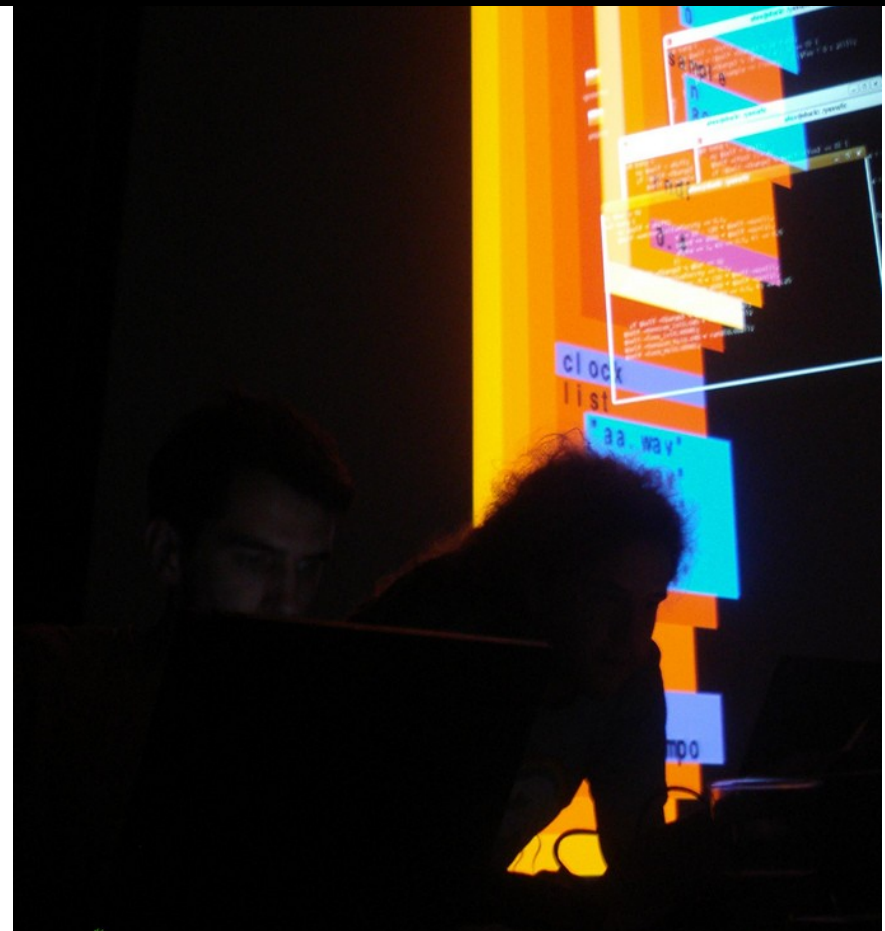
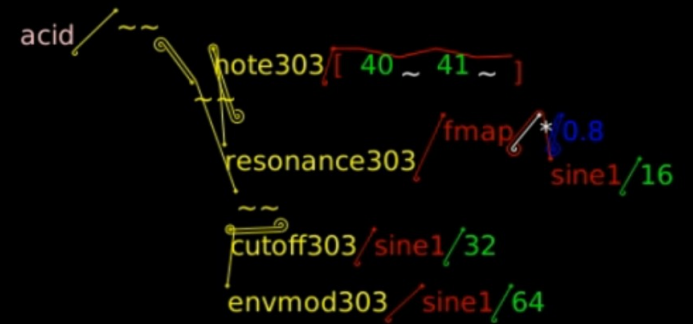
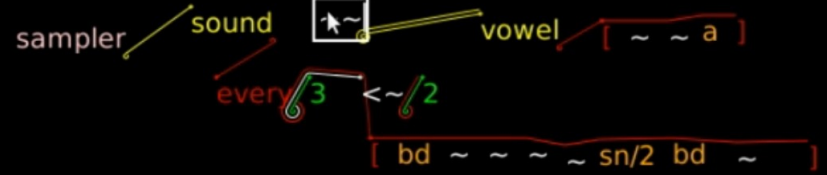
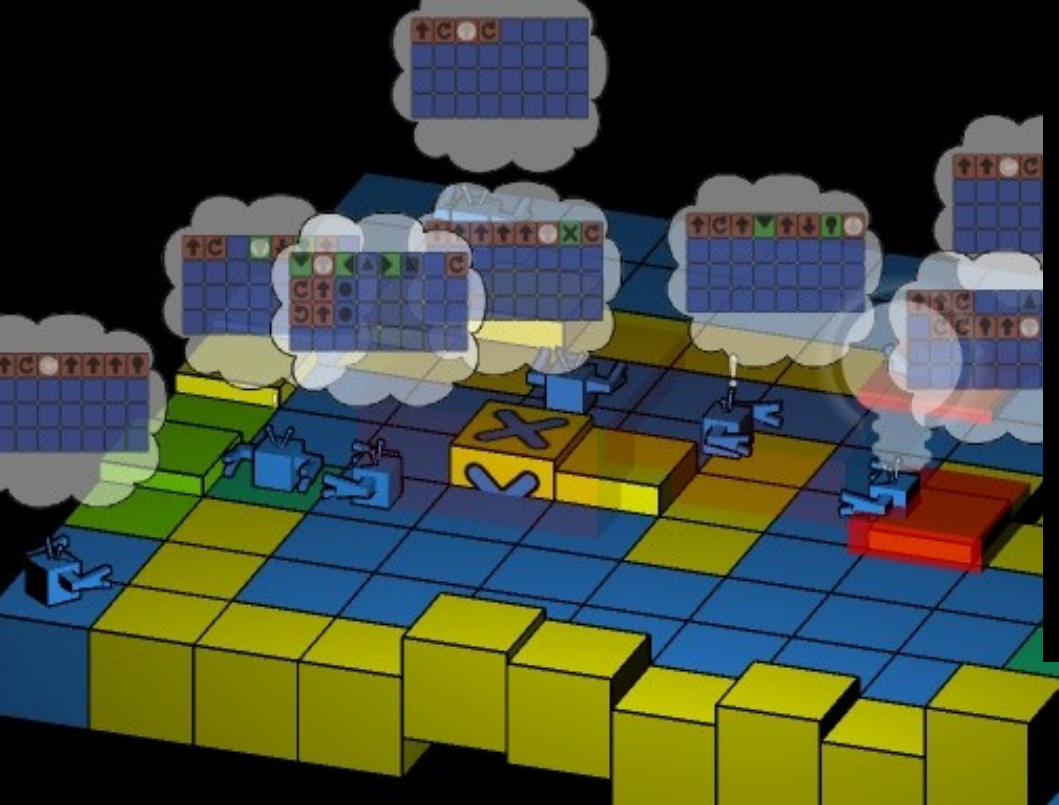


Wellness and healing pain,

"Livecoding shows that programming
is a human activity"

- Amy Alexander

significantly



Fluxus demo

Software Art

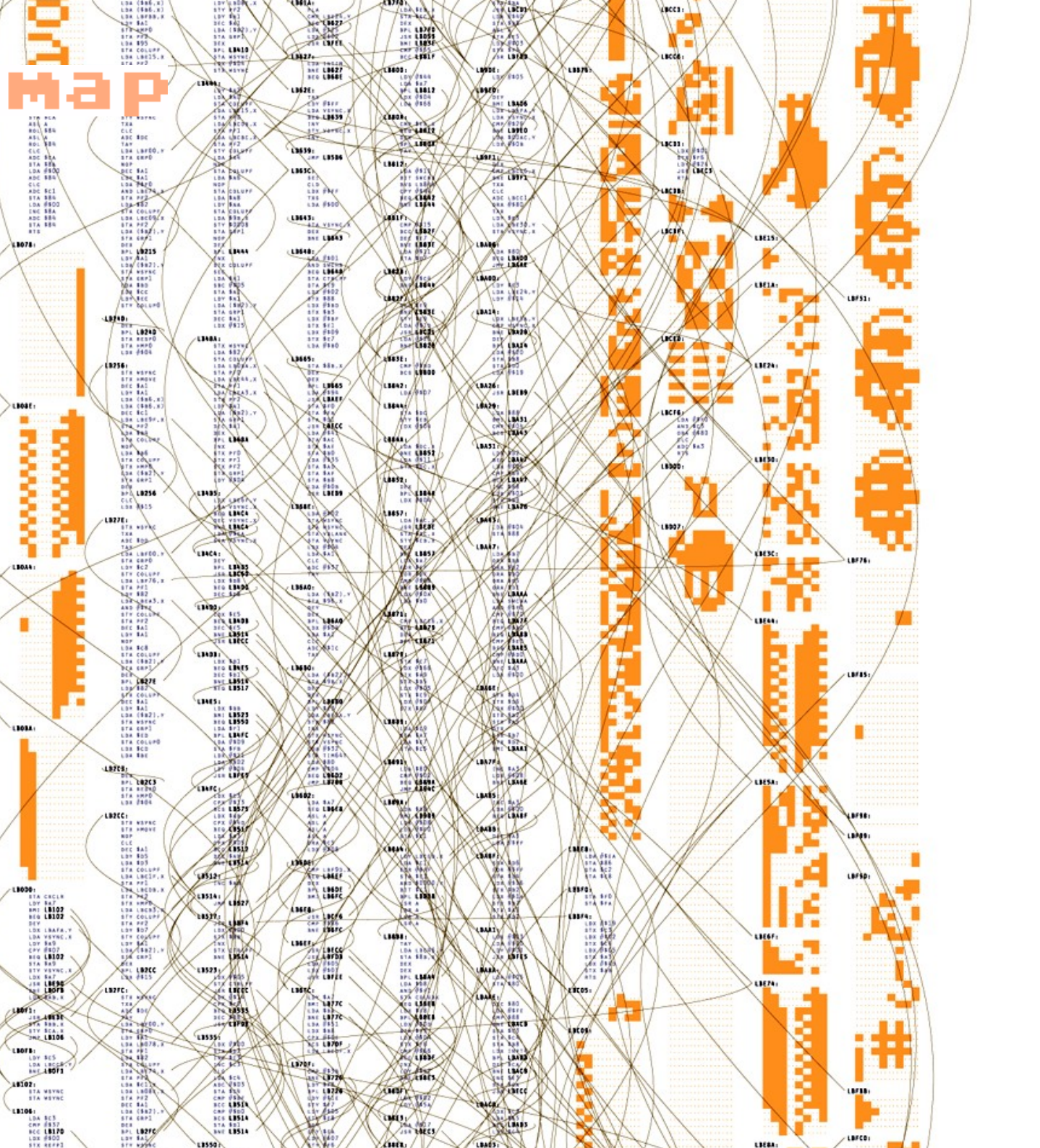


A 'Piet' program that prints “hello world”

[illegible]

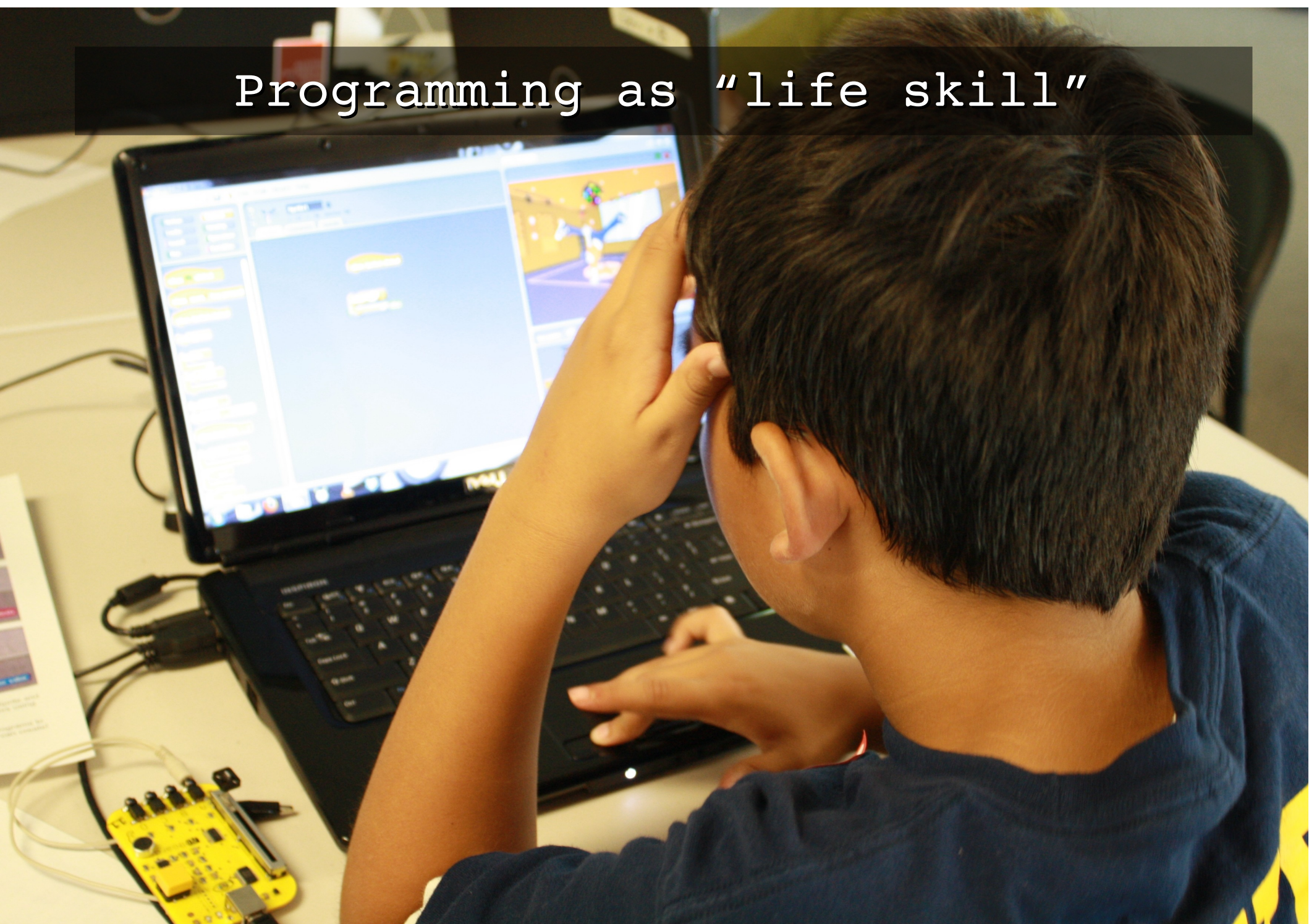
distellama

By Ben Fry. Seeing the
operation of code in Atari 2600
games.





Programming as “life skill”



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28 November 2011 Last updated at 08:45



Rory Cellan-Jones

Technology correspondent

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Coding - the new Latin

COMMENTS (618)

The campaign to boost the teaching of computer skills - particularly coding - in schools is gathering force.

Today the likes of Google, Microsoft and other leading technology names will lend their support to the case made to the government earlier this year in a report called Next Gen. It argued that the UK could be a global hub for the video games and special effects industries - but only if its education system got its act together.

The statistics on the numbers going to university to study computing make sobering reading. In 2003 around 16,500 students applied to UCAS for places on computer science courses.

By 2007 that had fallen to just 10,600, and although it's recovered a little to 13,600 last year, that's at a time in major growth in overall applications, so the percentage of students looking to study the subject has fallen from 5% to 3%. What's more, computing science's reputation as a geeky male subject has been reinforced, with the percentage of male applicants



"The tool of the 21st century is the computer", says Alex Hope, co-author of Livingstone...



00.00

00.00

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How has 25 years of Swedish furniture changed the UK?

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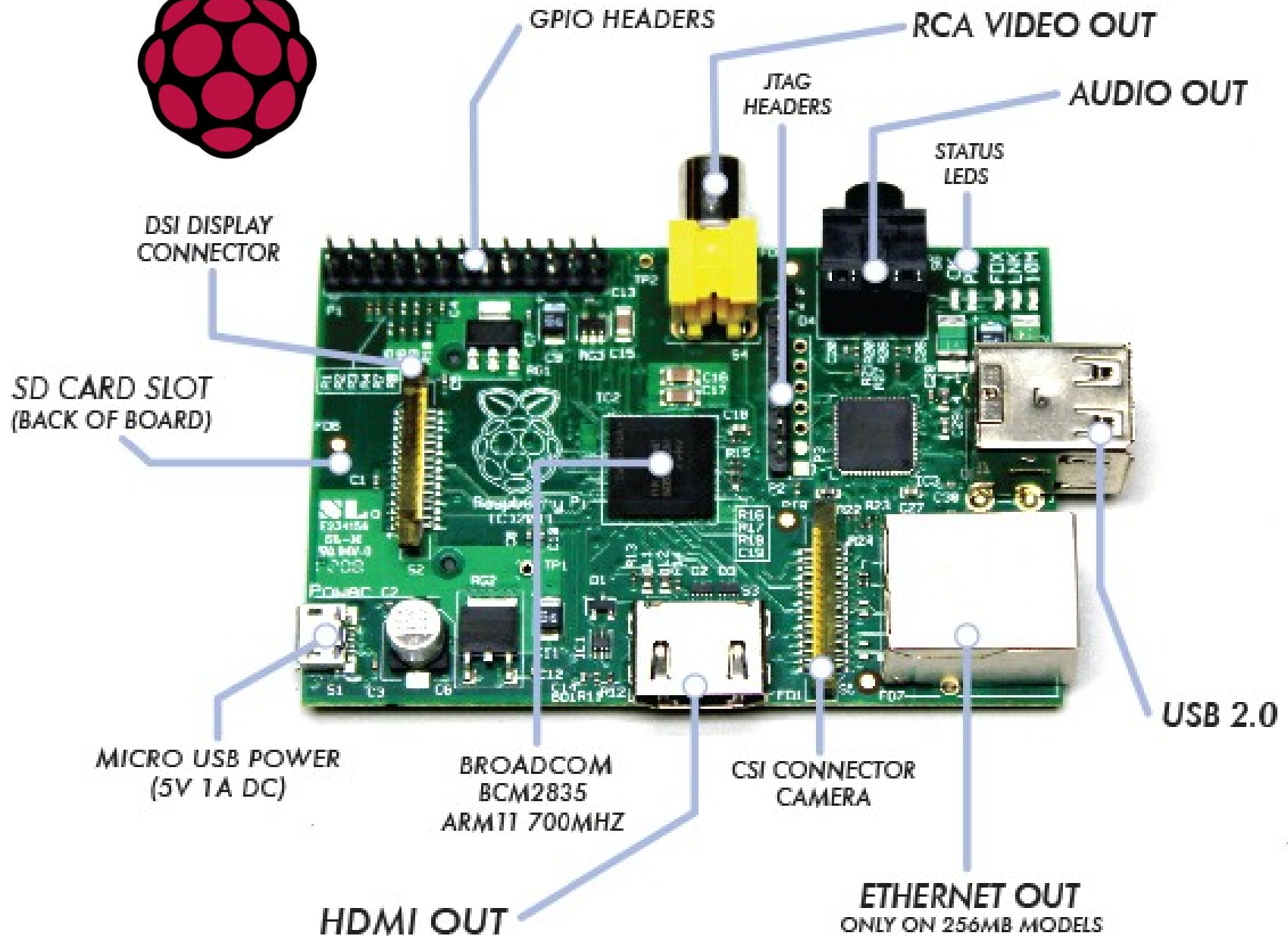
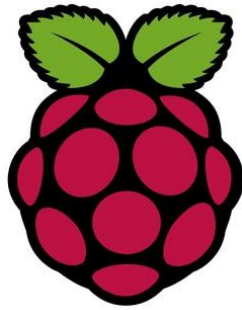
A look at why there are calls for change to screening advice

[Face on strike](#)

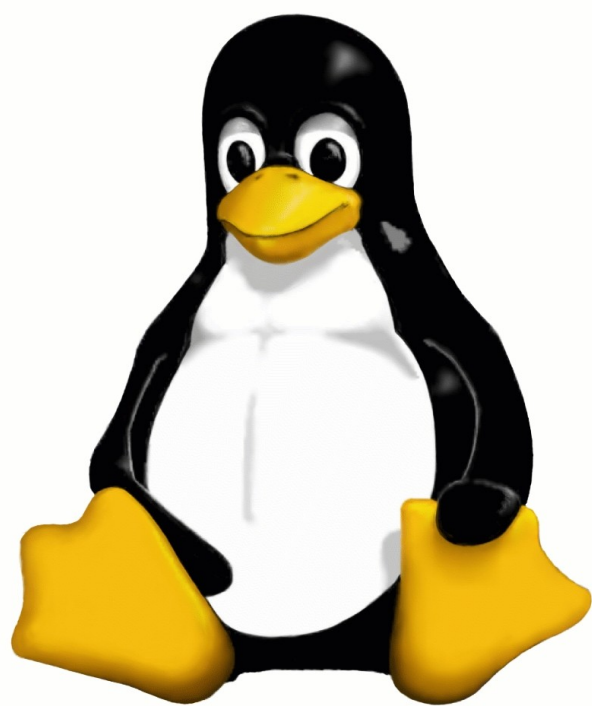
The day I woke up with only half a smile

[Killer twist](#)

How can audiences avoid movie spoilers?

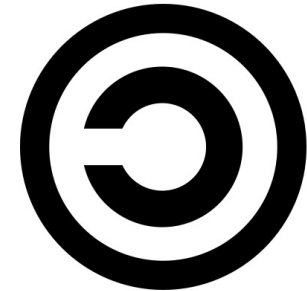


Open source (Free software)



WIKIPEDIA
The Free Encyclopedia

 **creative
commons**



A focus on communities rather than products

Meshes well with arts practice



Open source allows new relationships with technology



MetaReciclagem

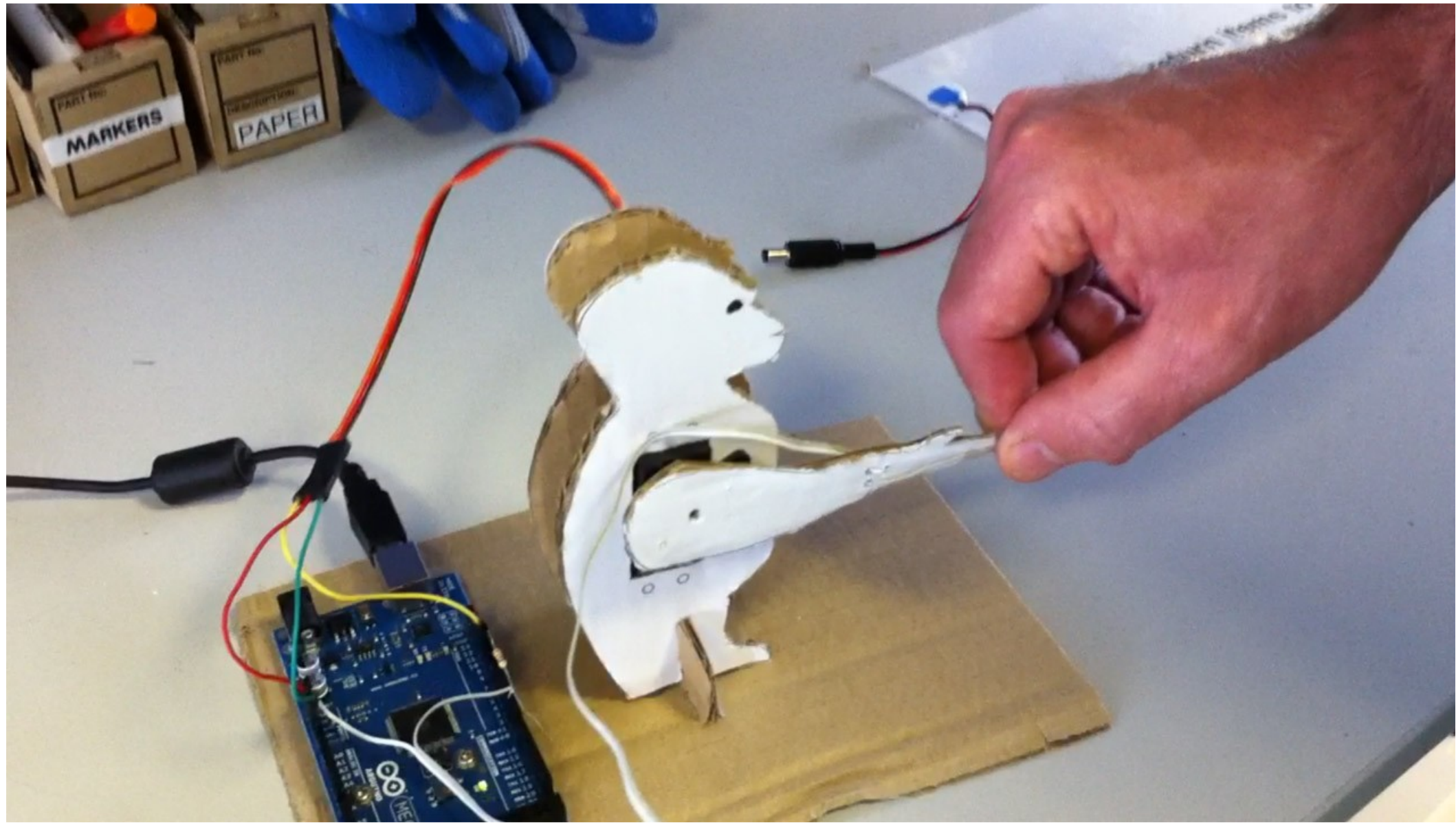


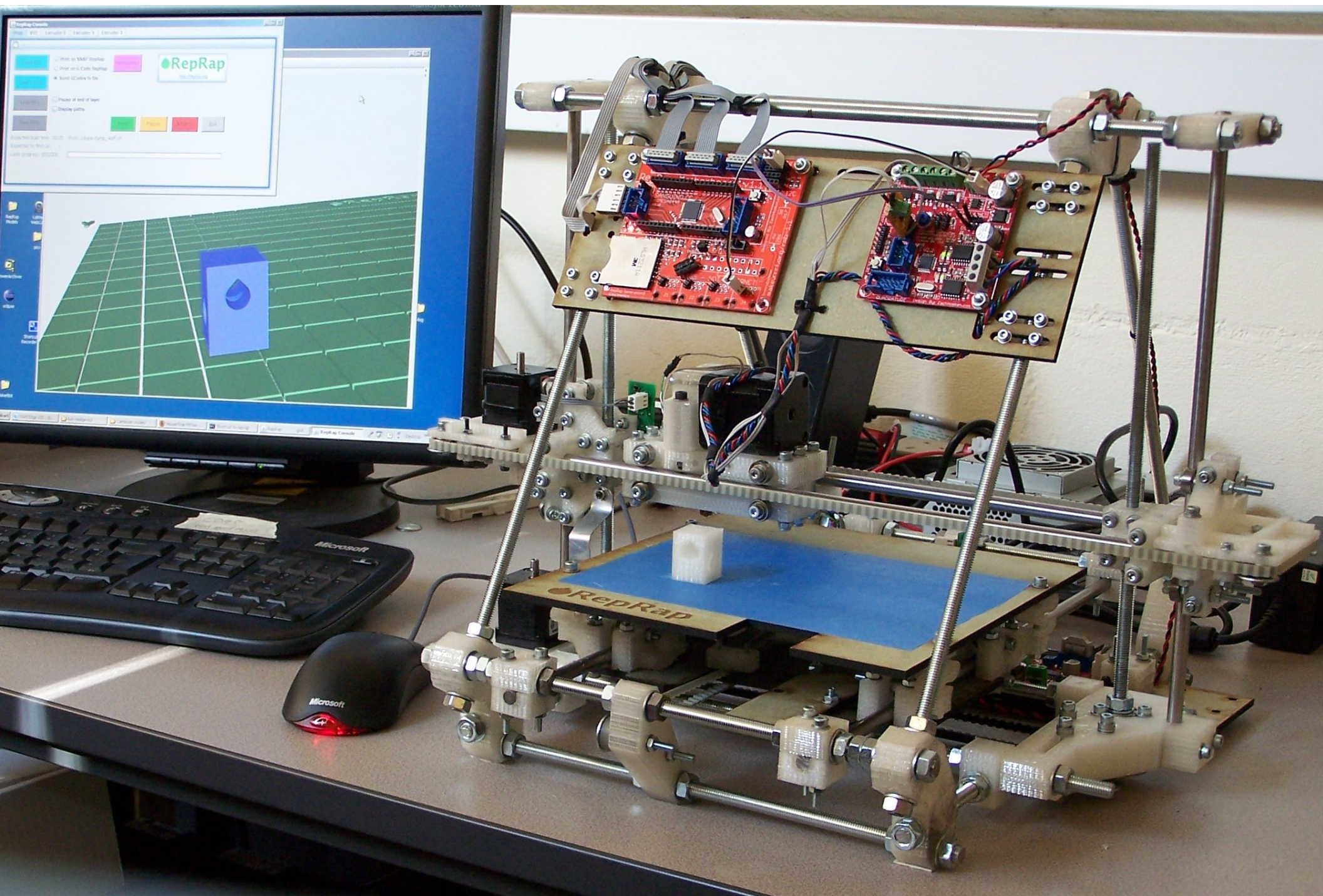
METEK

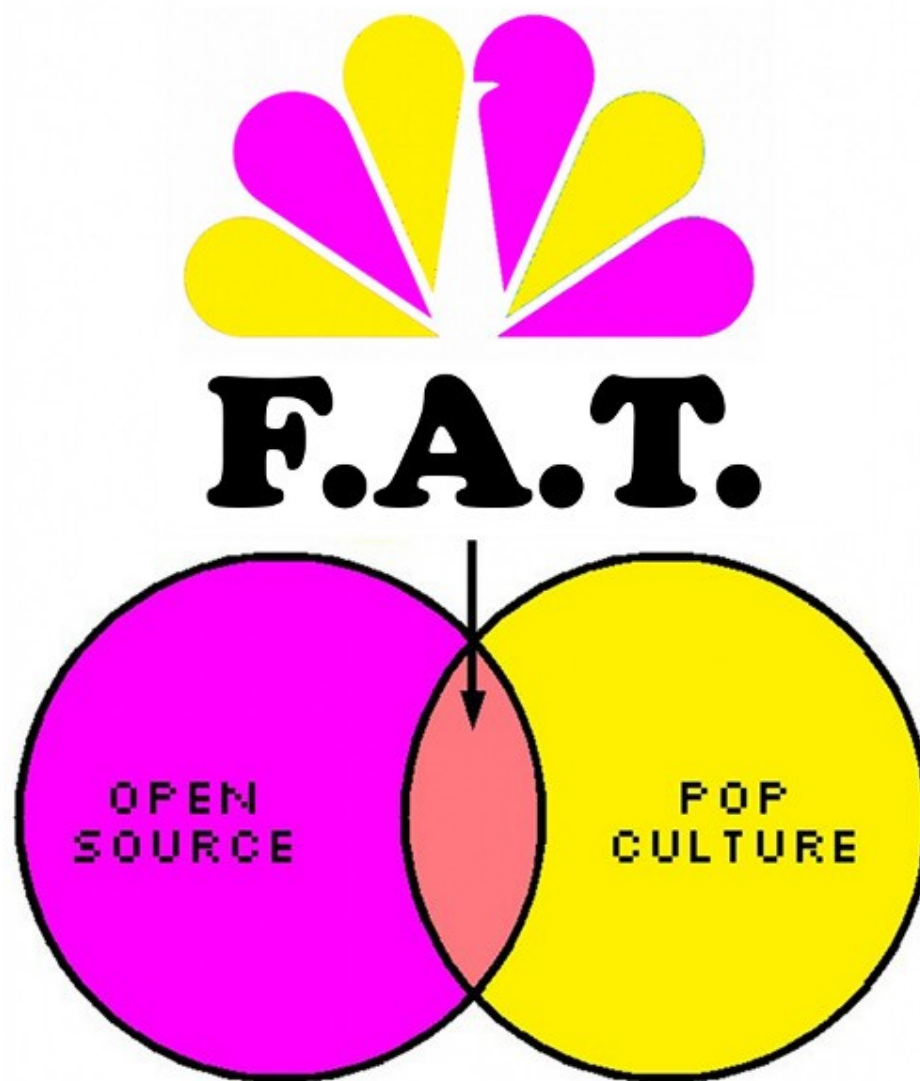


Women in Computing Workshop at
Goldsmiths University





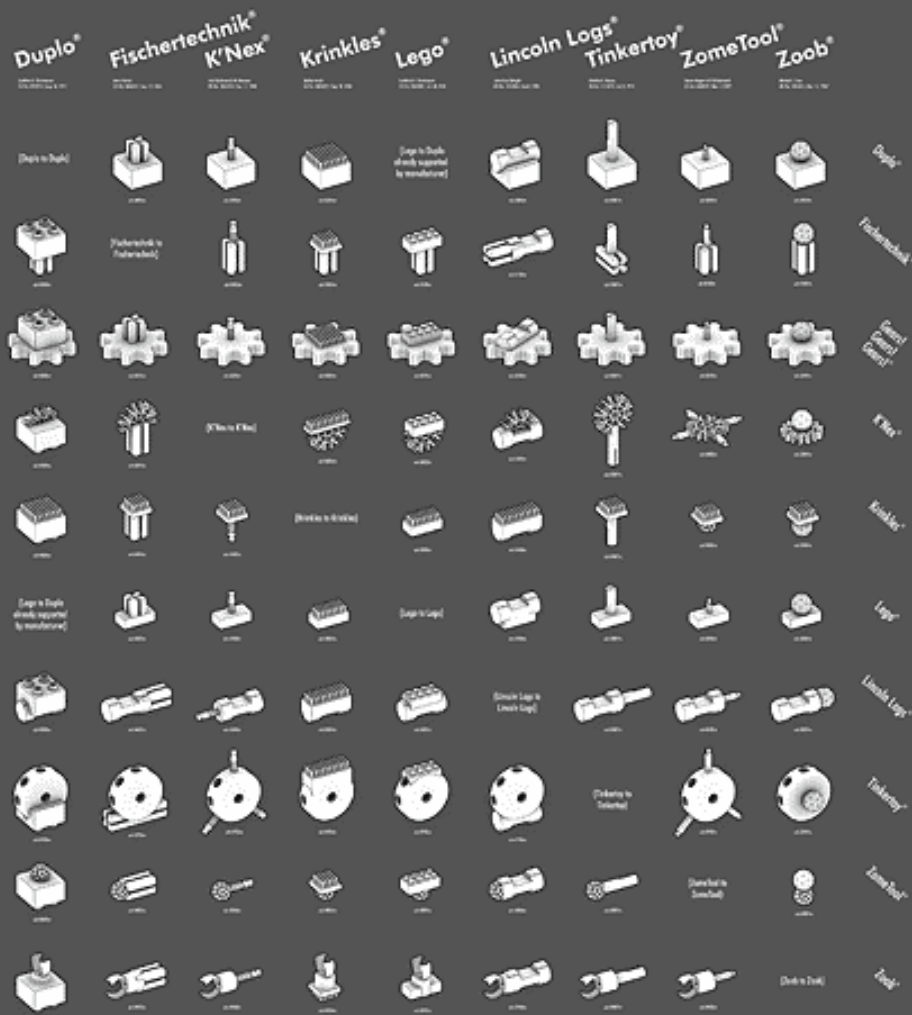
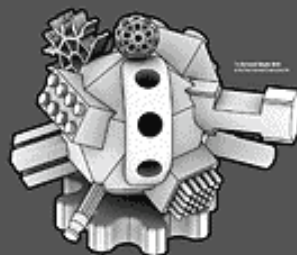






FREE UNIVERSAL CONSTRUCTION KIT

The F.U.T. Lab and Sy-Lab present the Free Universal Construction Kit, a collection of adaptive bodies that enable complete interoperability between two popular children's construction sets. By allowing any piece to join to any other, this kit encourages new forms of creativity between otherwise closed systems — enabling the creation of previously impossible designs, and more creative opportunities for kids. The kit adapts on the fundamental form, shape, size and other sharing, one in a set of 20 models in 1:1 format, suitable for reproduction by personal fabrication systems. >>> For more information, please see: <http://fuu.free-universal-construction.kit>

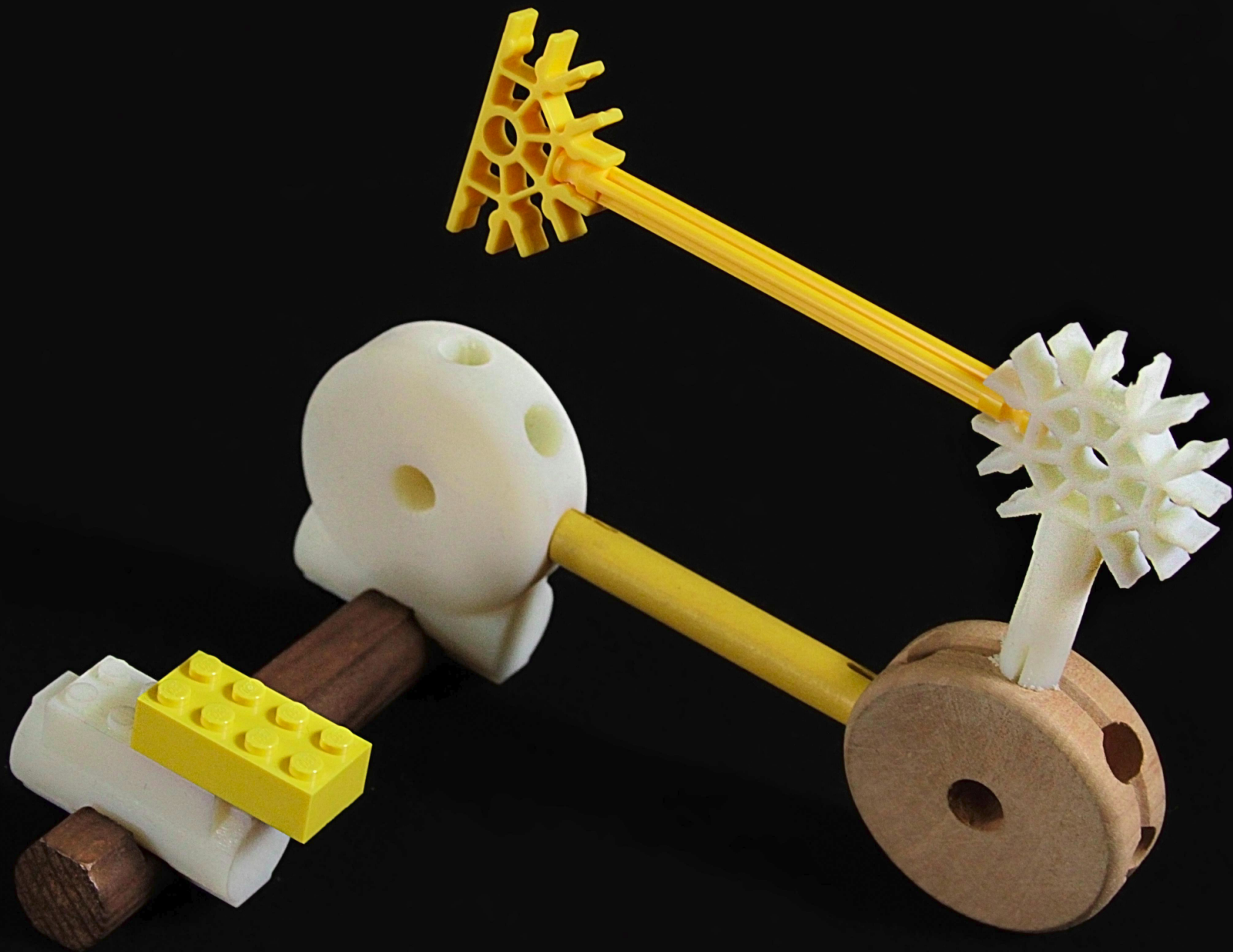


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sy-lab

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Craft ↔ Tech

Start with = 0

Rule 1 = Replace 0 with 0:0:

Rule 2 = Replace : with :0:

1) 0

2) 0:0:

3) 0:0::0:0:0::0:

4) 0:0::0:0:0:0::0:0:0::0:0:0::0:0:0::0::0:0:0::0:





Wert: (0 : 0 : 0 : 0 : 0 : 0 : 0 : 0 : 0)

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Dr Ellen Harlizius-Klück:
Centre for Textile Research der Universität Kopenhagen



Noisebridge

Year 1: Open Hacker House

<https://noisebridge.net/year1>



October marks the one year anniversary of a physical space for your favorite hackerspace! Come help us celebrate in our new home and see what we've been up to! LEDs, Cyborgs, 5 Minutes of Fame, Cold Boot Attacks, DIY Musical Performances, OpenEEG, Dark Optics Lab, Brain Machines, Python, oh my!





**OPEN
SOURCE
SATELLITE
INITIATIVE**





OSSI-1 Satellite finally launched on 19th April 2013 09:00 UTC Time in Baikonur, Kazakhstan.

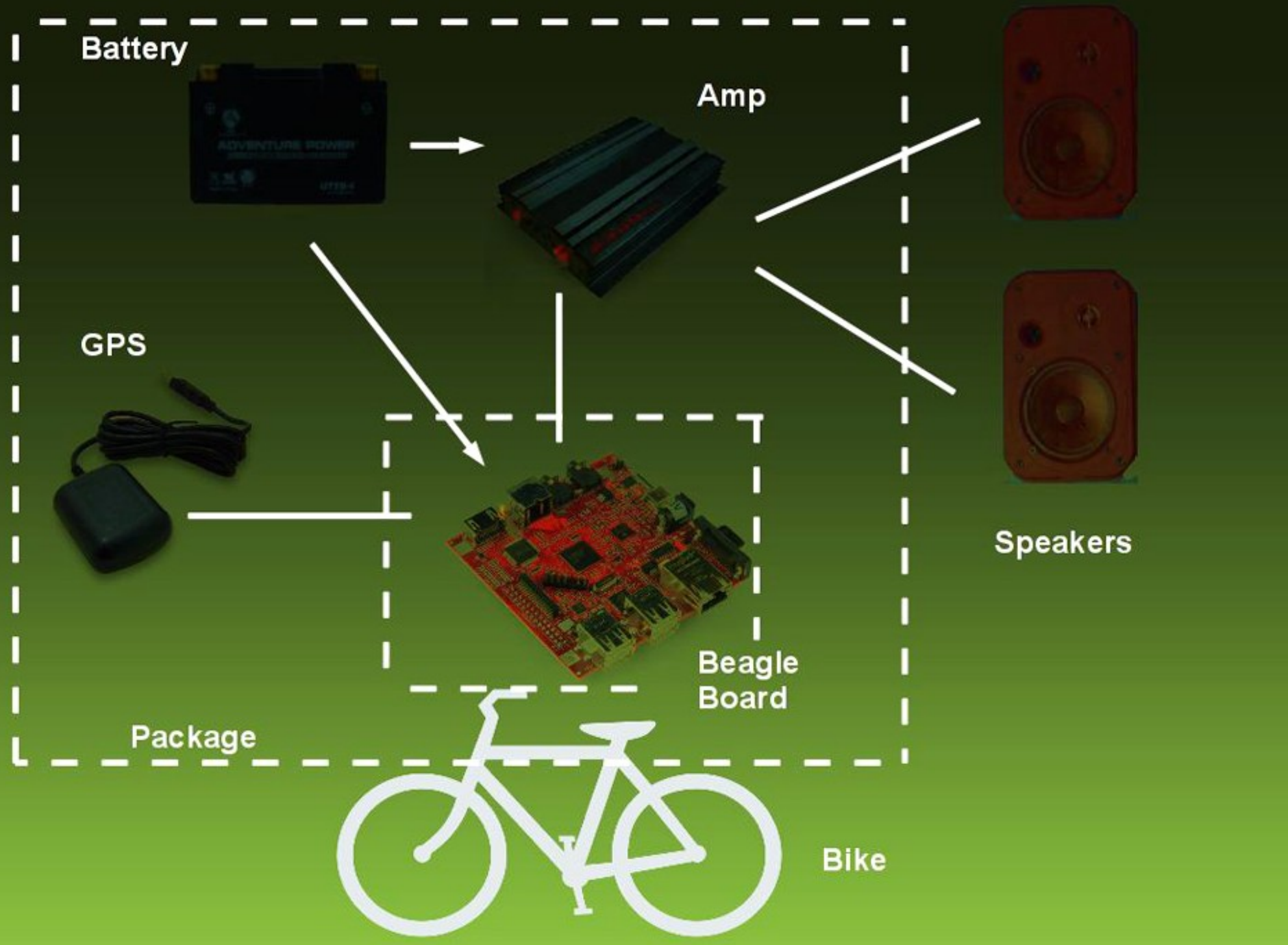


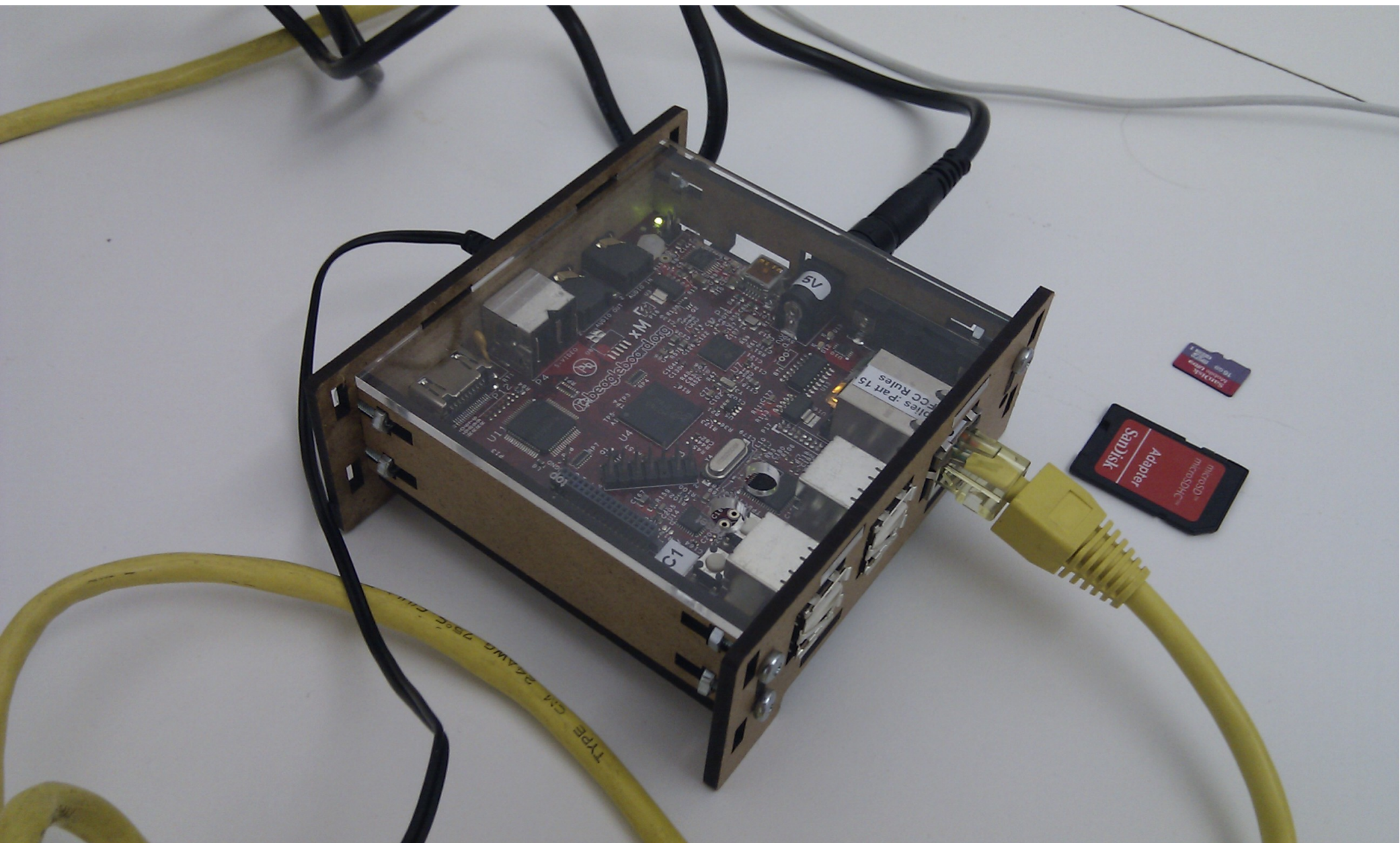


<http://www.kaffemattthews.net>





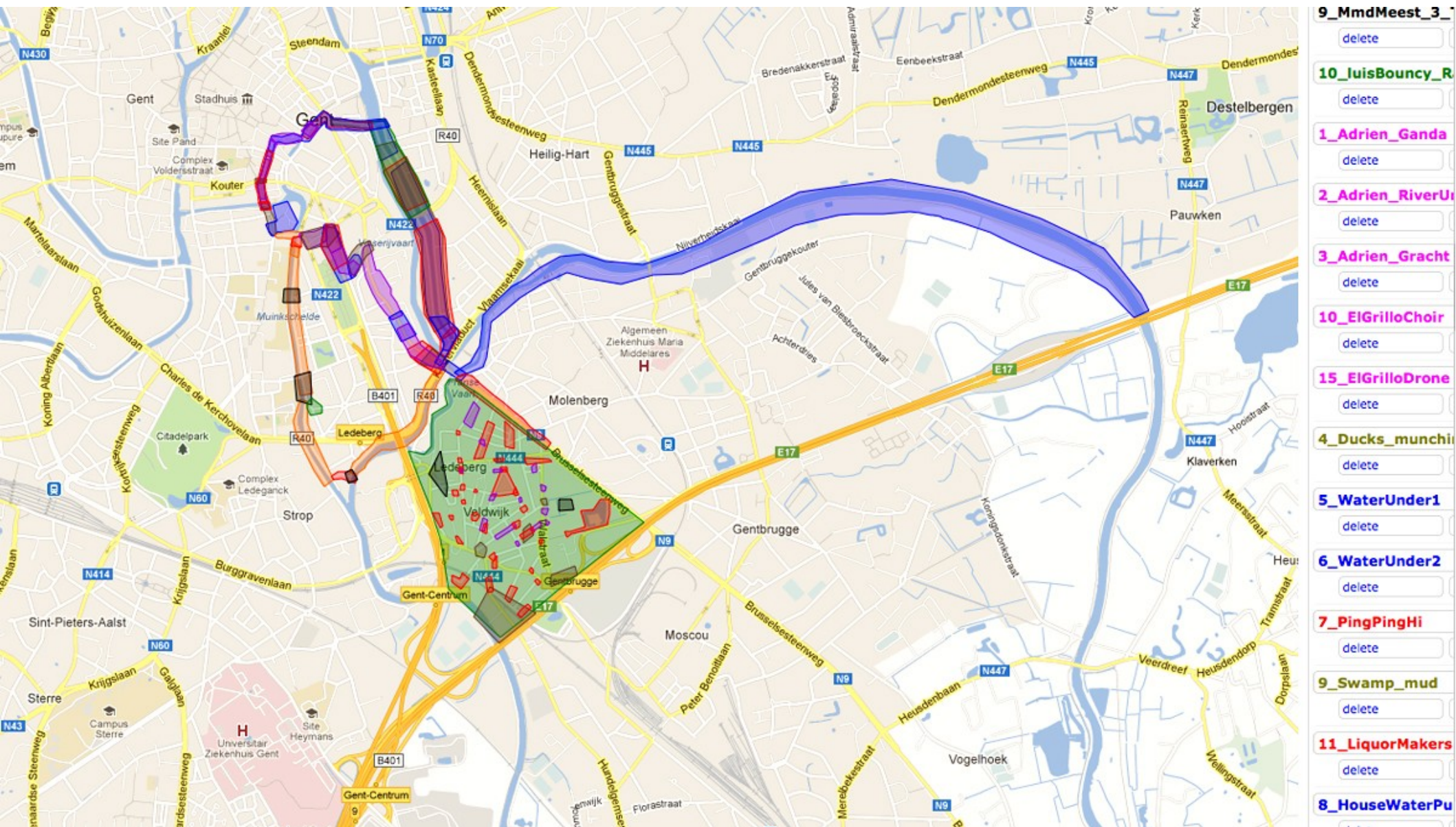




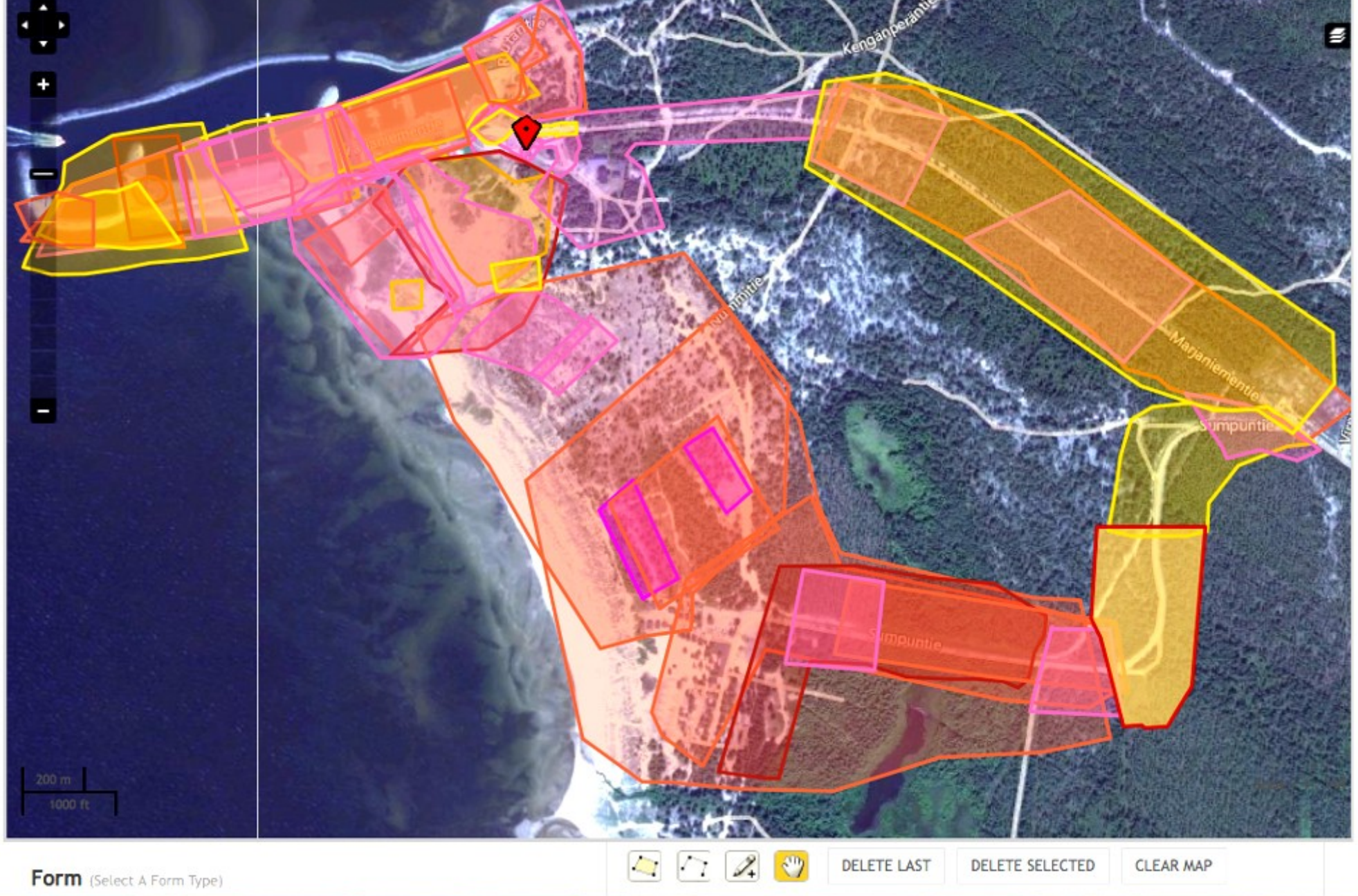


© Reinout Hiel

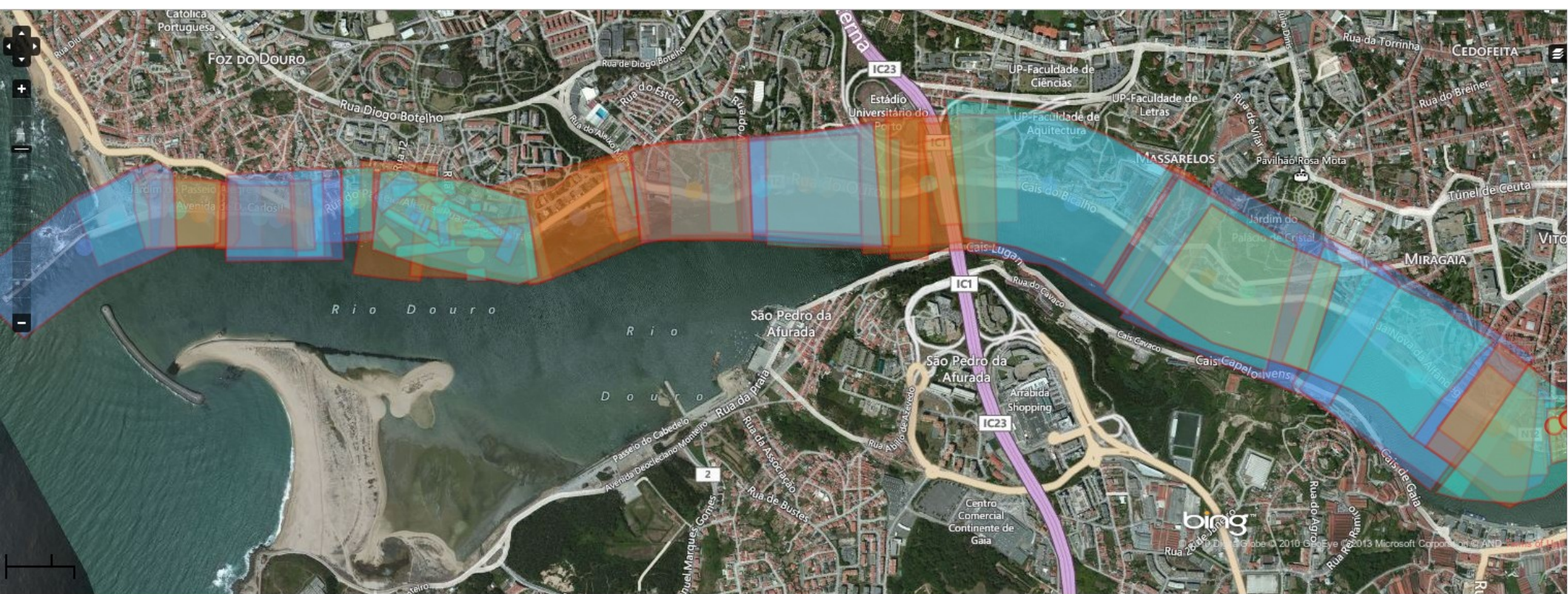




“The swamp that was”: Electrified festival,
Ghent 2012



‘The Marja trio’ – Hailuoto, Finland 2013
<http://www.haiart.net/>



‘Opera FiXi’ – Porto, on the rio Douro, Portugal
2013