



dyne
org.
sg.e

Dyne.org is a European non-profit **free software foundry** with more than 20 years of expertise in developing tools and narratives for **community empowerment**.



Environment &
Sustainable
Economies

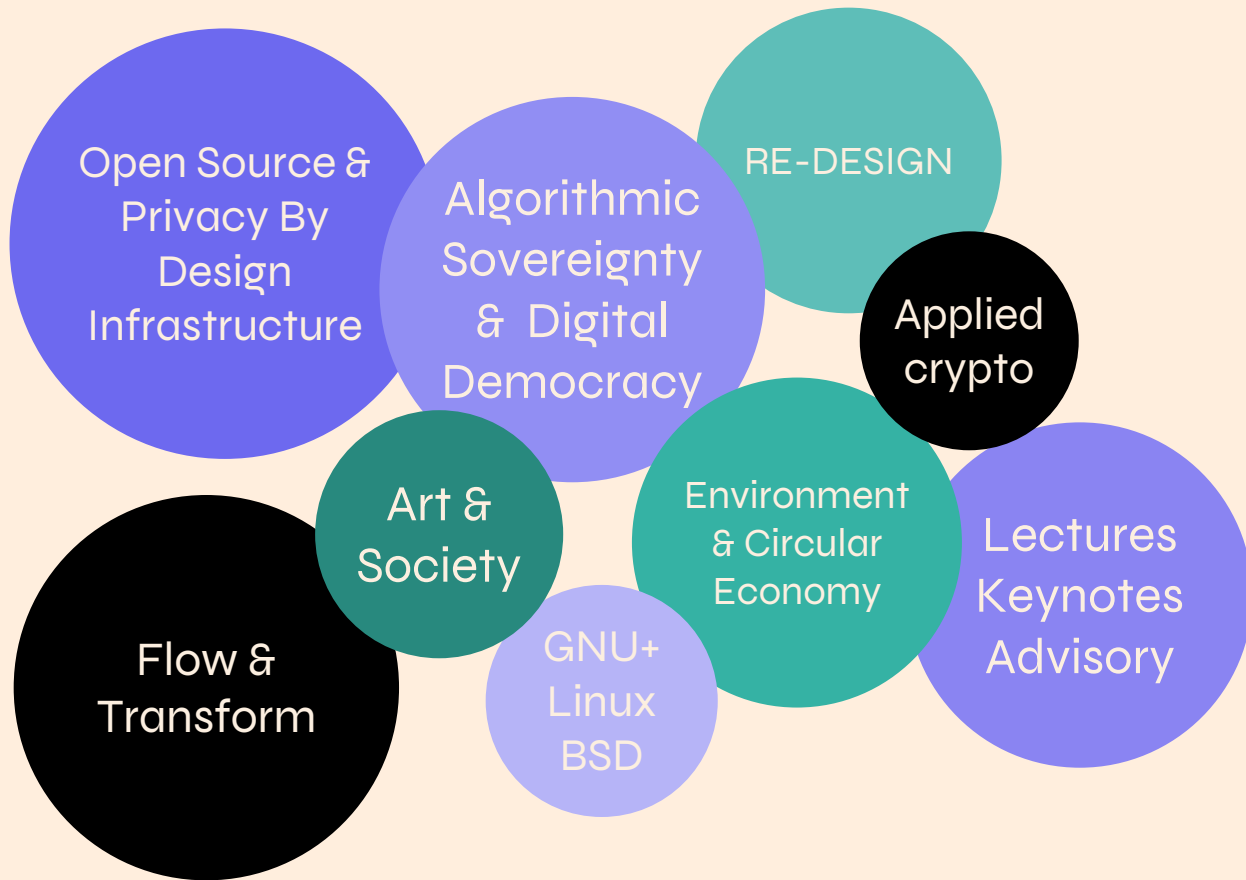
Research

dyne.
org.
&

Software

Privacy

Art &
Society



Tired of changing phones every 3 years? [Check out the 10 Year Smartphone!](#)

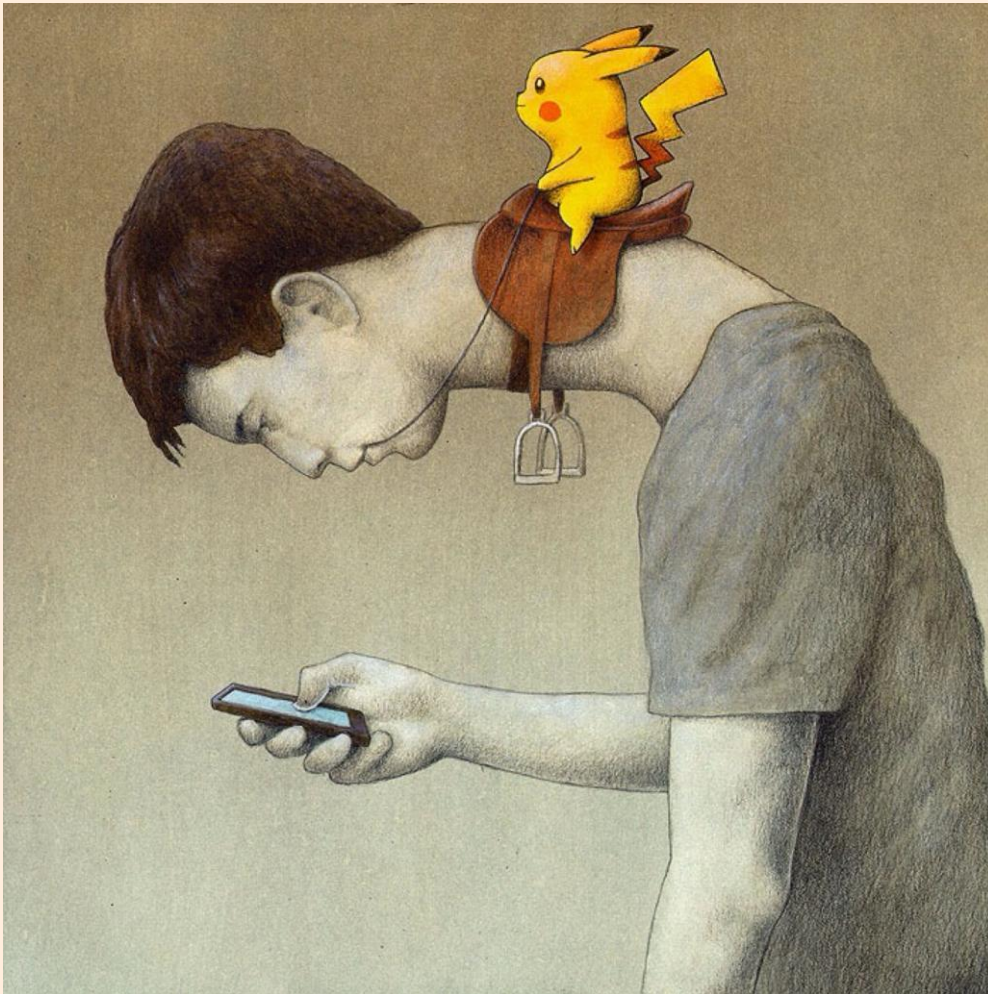
EUROPE,

LET'S **REUSE**

REFURBISH

REPAIR





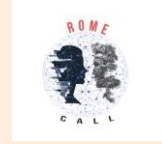
Algorithmic Sovereignty

AlgoSov.org

“Control” (2016)
Pawel Kuczynski

dyne
org.
sg.

Partnerships



ISO TC/307, Inatba, NEN:
crypto standardization

Identity Foundation, Sovrin:
decentralized identities

RomeCall, Vatican:
algorithcs council

http://github.com/dyne

The screenshot shows the GitHub profile page for Dyne.org. The browser address bar displays `https://github.com/dyne`. The navigation bar includes links for Product, Team, Enterprise, Explore, Marketplace, and Pricing, along with a search bar and Sign in / Sign up buttons. The profile header features the Dyne.org logo (a hand holding a globe), the name "Dyne.org", and the tagline "Think & do tank and free software foundry (est. 1999)". Contact information includes the location "Amsterdam", website `http://www.dyne.org`, Twitter handle `@DyneOrg`, and email `info@dyne.org`. Navigation tabs show "Overview" (selected), "Repositories" (152), "Projects", "Packages", and "People" (16). The main content area displays a README for a file named "README.md", starting with a "Welcome" message and describing Dyne.org as a European non-profit free software foundry with 20+ years of experience in developing tools and narratives for community empowerment. It states that code is their literature for building media architectures and that their research is engaged and open source. A "Latest Tweets" section is partially visible at the bottom left. On the right, a "People" section shows a grid of user avatars, and a "Top languages" section lists Shell, JavaScript, C, Clojure, and HTML.

The logo for Dyne.org, featuring the text "dyne.org" in a lowercase, sans-serif font. The "o" in "org" is stylized with a circular shape around it, and the "g" has a long, curved tail.

FabCity OS core is on-line!

beta.interfacer.dyne.org

Invitation key: WELCOME2ALPHA



the future
of making

INTERFACER.EU

INTERFACER#

Financed by
EUROPAISCHE UNION
Europäischer Fonds
für regionale Entwicklung
Hamburg
Büro für Wirtschaft
und Innovation

freiør

minimalistic api for free and open
source video plugins: effects and
mixers

freiør.dyne.org



freiør

minimalistic api for free and open
source video plugins: effects and
mixers

frei0r.dyne.org

BSD

Ports of frei0r are included in all major BSD
distros:

- FreeBSD
<https://www.freshports.org/graphics/frei0r>
- OpenBSD
<https://openports.se/multimedia/frei0r-plugins>
- NetBSD
<https://pkgsrc.se/multimedia/frei0r>

GNU / Linux

Binary packages are maintained on various
distributions, but they may not be
completely up to date with latest release.

- [frei0r*](#)
- [frei0r-plugins*](#)
- [ocaml:frei0r*](#)

Apple / OSX

A [frei0r Brew formula](#) is available.

Official builds of frei0r plugins as .dlsym for the
Apple/OSX platform will be soon included in
the releases page.

Videos streams

JSON import/export

LADSPA plugins

Playlist parsers

Core

Sources

Clocks

Requests

Protocols

Stream contents

Script loading

Execution phases

Specific tutorials

Blank detection

Customize metadata

Seek and cue support

External decoders

External streams

External encoders

Detailed examples

The anonymizer

Let's design an "anonymizer" effect: I want to blur my face and change my voice so that nobody will recognise me in the street after seeing the youtube video. Here is what we are going to achieve:



This video was produced thanks to the following script:

```
# Input from webcam
cam = input.v4l2()
```

[Videos streams](#)[JSON import/export](#)[LADSPA plugins](#)[Playlist parsers](#)

Core

[Sources](#)[Clocks](#)[Requests](#)[Protocols](#)[Stream contents](#)[Script loading](#)[Execution phases](#)

Specific tutorials

[Blank detection](#)[Customize metadata](#)[Seek and cue support](#)[External decoders](#)[External streams](#)[External encoders](#)

Controlling with OSC

In this example we are going to use OSC integration in order to modify the parameters in realtime. There are many OSC clients around, for instance I used [TouchOSC](#) :



Here is how the video was made:

```
# Set the OSC port to match TouchOSC's default port
```

```
settings.osc.port.set(8000)
```

```
# Input from the webcam
```

```
s = input.v4l2_with_audio()
```

```
s = mksafe(s)
```

Install

Migrating from previous versions

Starters

The book

Video Presentations

How to find help

Frequently Asked Questions

Quickstart

Complete case analysis

Cookbook

Reference

Script language

Core API

Extra API

Protocols

Settings

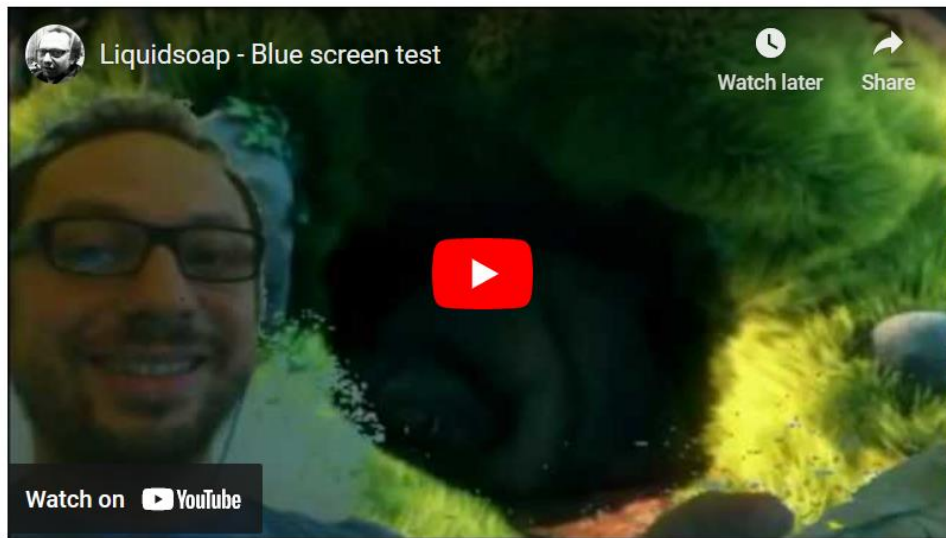
FFmpeg support

Encoding formats

Videos streams

Blue screen

You want to show yourself in front of a video of a bunny, as in



The idea is to film yourself in front of a blue screen, make this blue screen transparent and put the resulting video in front of the bunny video (actually, I don't have a blue screen at home, only a white wall but it still kinda works).

```
# The video of the bunny
s = single("big_buck_bunny_720p_stereo.ogg")
# Input from the webcam
cam = input.v4l2()
```

freiør

minimalistic api for free and open
source video plugins: effects and
mixers

freiør.dyne.org

```
{ "name": "pixelizer", "type": "filter",  
  "author": "Gephex crew",  
  "explanation": "Pixelize input image.",  
  "color_model": "packed32", "freiør_version": "1",  
  "version": "1.0", "num_params": "2",  
  "params": [ {  
    "name": "Block width",  
    "type": "number",  
    "explanation": "Horizontal size of one 'pixel'"  
  }, {  
    "name": "Block height",  
    "type": "number",  
    "explanation": "Vertical size of one 'pixel'"  
  } ] },
```

```
{  
  "name": "bluescreenor",  
  "type": "filter", "author": "Hedde Bosman",  
  "explanation": "Color to alpha (blit SRCALPHA)",  
  "color_model": "rgba8888", "freiør_version": "1",  
  "version": "0.4", "num_params": "3",  
  "params": [ {  
    "name": "Color",  
    "type": "color",  
    "explanation": "The color to make transparent (B G R)"  
  }, {  
    "name": "Distance",  
    "type": "number",  
    "explanation": "Distance to Color (127 is good)"  
  }, {  
    "name": "Invert",  
    "type": "bool",  
    "explanation": "Whether to produce the inverse of the  
    effect on the alpha channel"  
  }  
  ]  
},
```

Thanks for
your
interest!



dyne
org.
sg.

To stay in touch
please mail
info@dyne.org

and join our online
community using any
channel, links on
dyne.org

IRC, matrix, mastodon
telegram, discord,
linkedin, twitter,
tumblr...
we are everywhere!