

# **Concept & Storytelling**

**INFORMATION DESIGN  
DCMA**

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# PRIMARY DATA-SOURCE

<https://osv.dev/>

**OSV.DEV** presents data in a way, that is readable for machines and humans. It is a collection of vulnerabilities in programm code, fetched from all major open ecosystems.

Data Sources



Vulnerability Database

Blog

FAQ

Docs

## Vulnerabilities

Q Package or ID search

All ecosystems 259724

Chainguard 17032

GitHub Actions 21

npm 20986

PyPI 14690

SwiftURL 33

AlmaLinux 3303

crates.io 1523

Go 3669

openSUSE 9049

Red Hat 14762

Ubuntu 41927

Alpine 3587

Debian 42347

Hackage 19

Hex 32

Rocky Linux 1453

Wolfi 10342

Android

GIT

Linux 13573

OSS-Fuzz 3475

RubyGems 1644

Packag

| ID                                      | Packages   | Summary                     | Pub |
|---|--|-----------------------------|-----|
| <a href="#">CGA-mq9q-hgpw-<br/>gg49</a> | Chainguard/pulumi<br>Wolfi/pulumi<br>Chainguard/pulumi-<br>language-go | See record for full details | 1 h |

# SECONDARY DATA-SOURCE

<https://openforumeurope.org/open-source-impact-study/>

**Open Source study**, issues by the EU, devles with the impact of Open-Source projects on the EUs economy and their need for funding.

Data Sources

Home / Open Source Study

## Open Source Study

 Study on the impact of Open Source for the European Commission

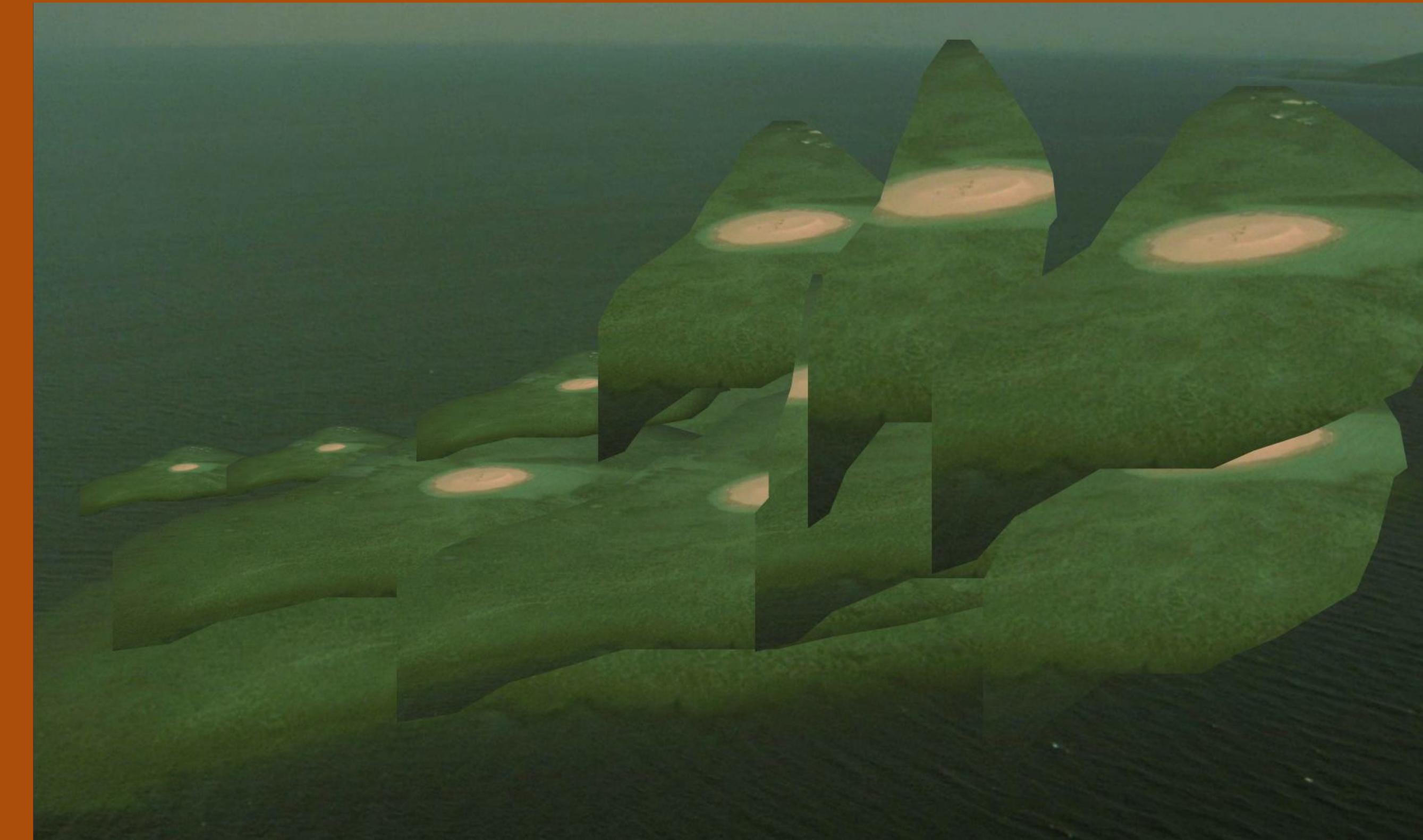


**Summary prepared by  
Irving Wladawsky-**

To **visualise** the data **impactfull**, we seeked some inspiration and created prototypes of possible visual translations. Referring to the topic of **ecosystems** in open-source, a visualisation, reusing noticeable objects in **natural landscapes** appealed to us.

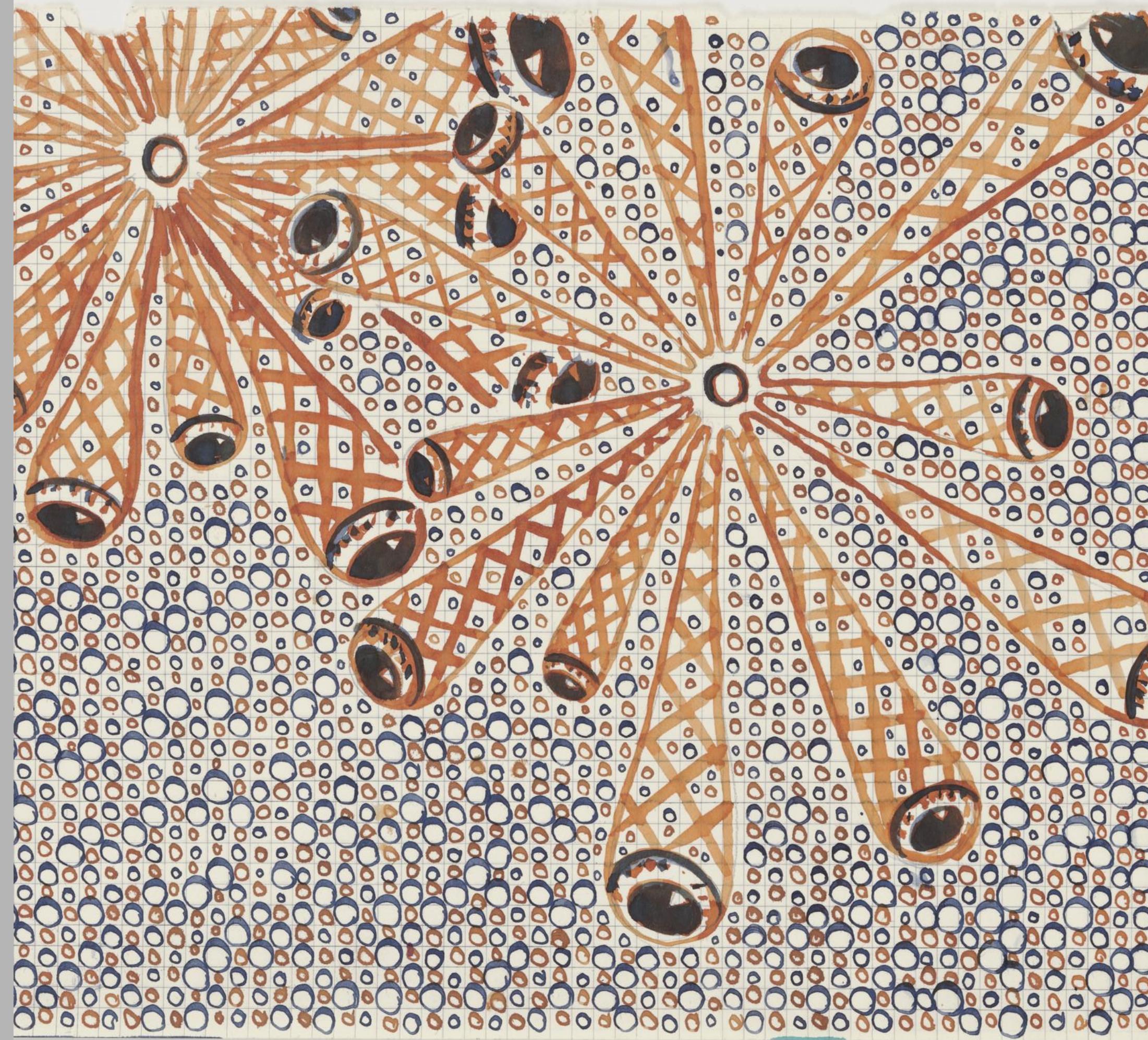
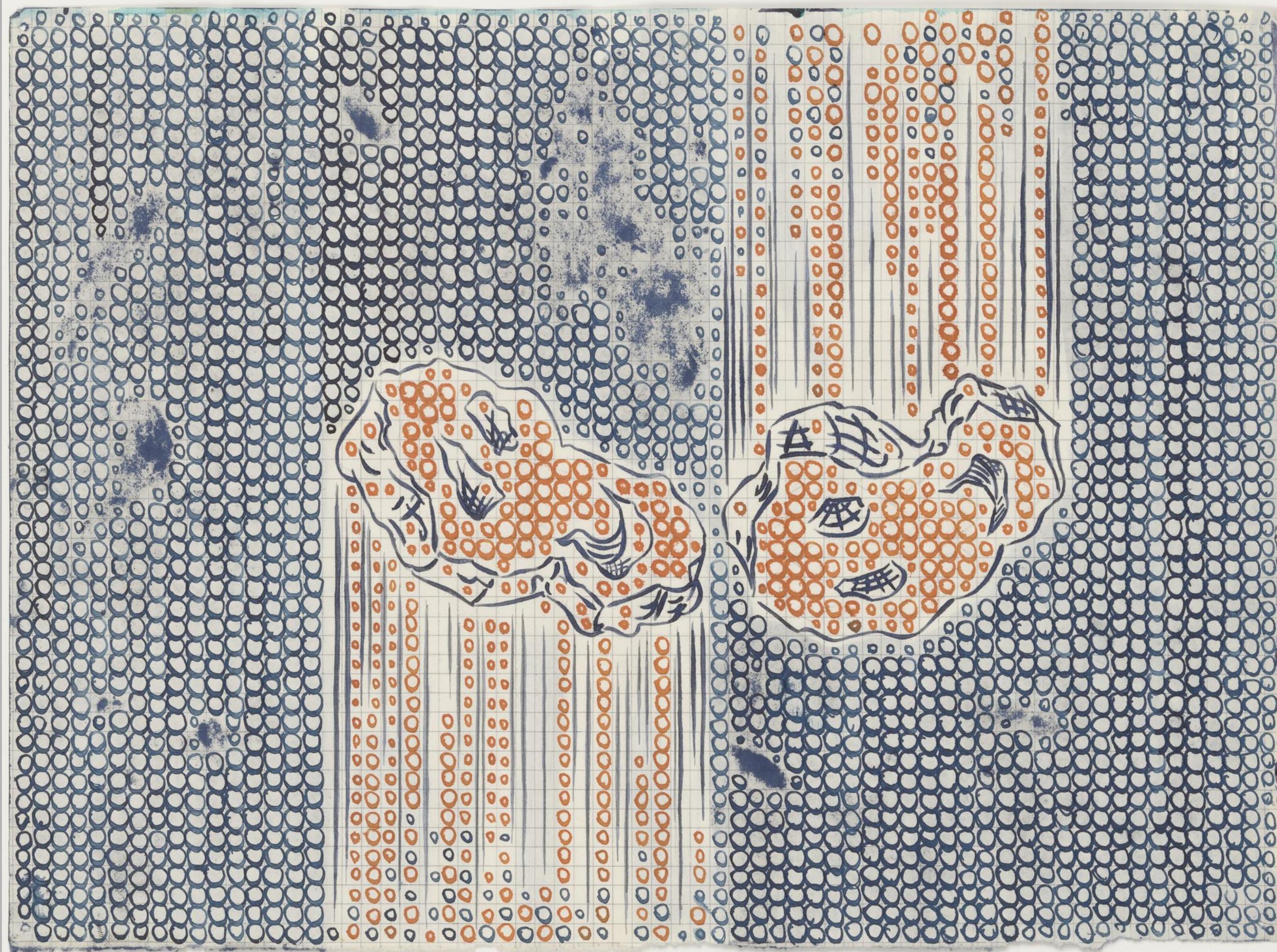
Different landscapes referring to different ecosystems. Repitition and change in size of object for data representation.

Stills: The Fall (2006)



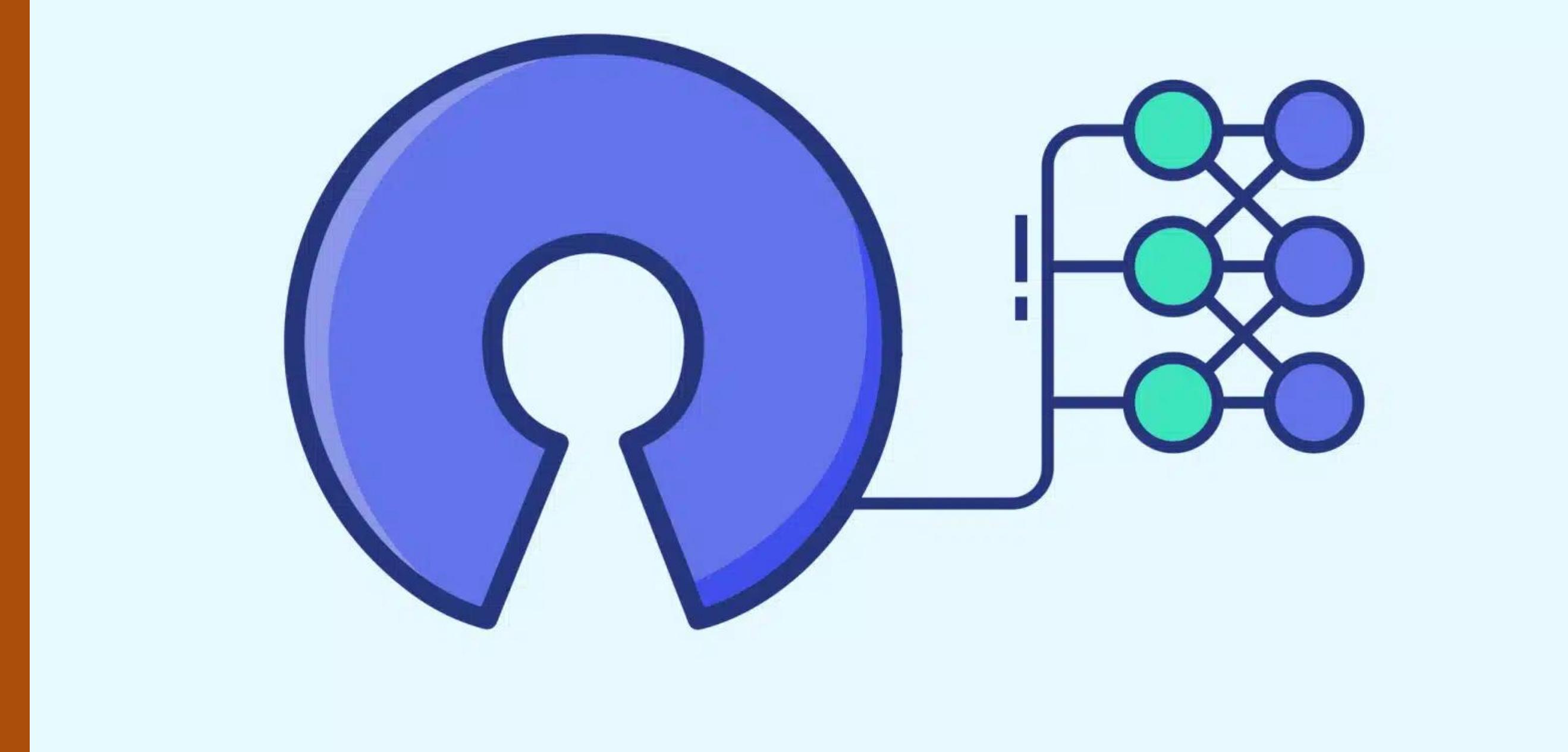
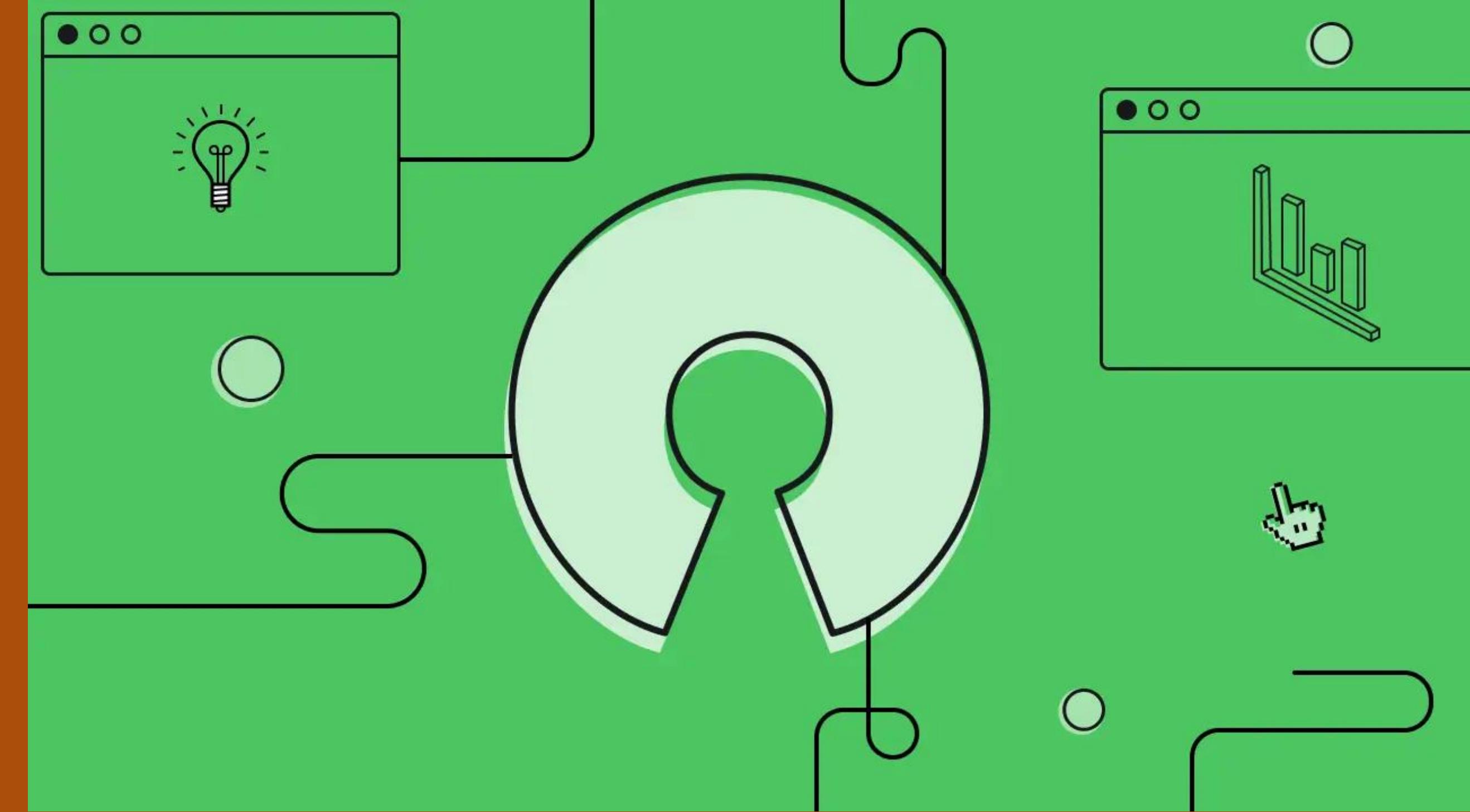
# Handdrawn illustrations, seemingly in chaos, yet offering insight.

David Moreno Untitled 2001

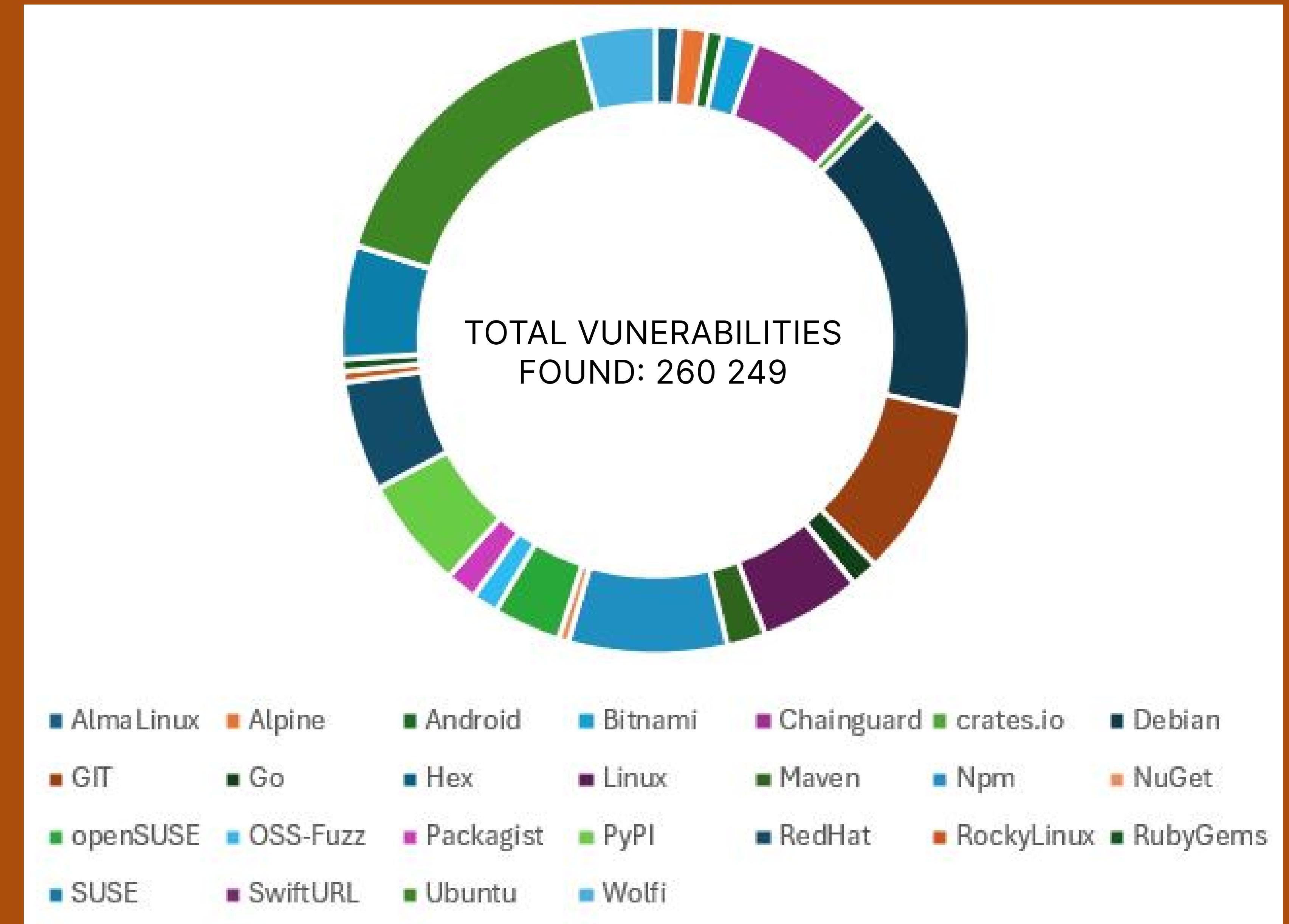


# THE DATA VISUALISATION

The logo of the Open Source Initiative suggest we might use pie/ring chart or sunburst diagram as a main way to visualise our datasets



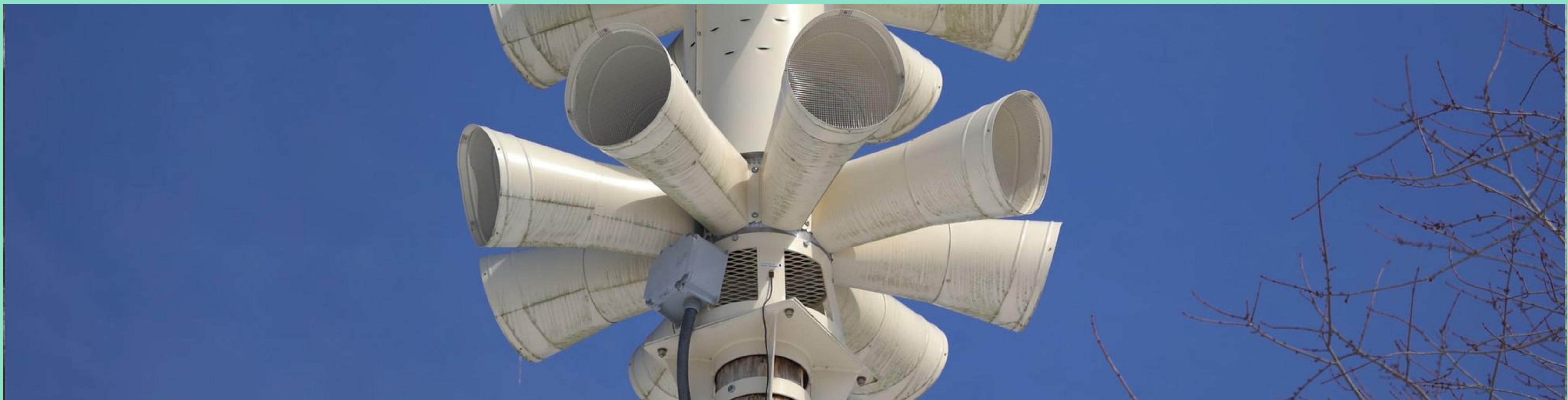
## Example of ring chart with the first dataset



The **BIANCO TANGARINE** posters as a reference of a well designed use of circles and pie charts in data visualisation



The story that we want to tell, shall draw in the audience by making the impact of **vulnerabilities understandable**, then declaring the impact of non sufficient government funding.



## Vulnerability of Open Source

This is the first step of our storytelling. Most importantly we need to communicate what a vulnerability is. How it effects each project, as well as its effect on a wider public.

## Quantity of vulnerabilities

In order to fully grasp the impact of malicious/fraudulent exploits we need to show the quantity of vulnerabilities mapped onto different open-source ecosystems/ projects.

## Open-Source funding

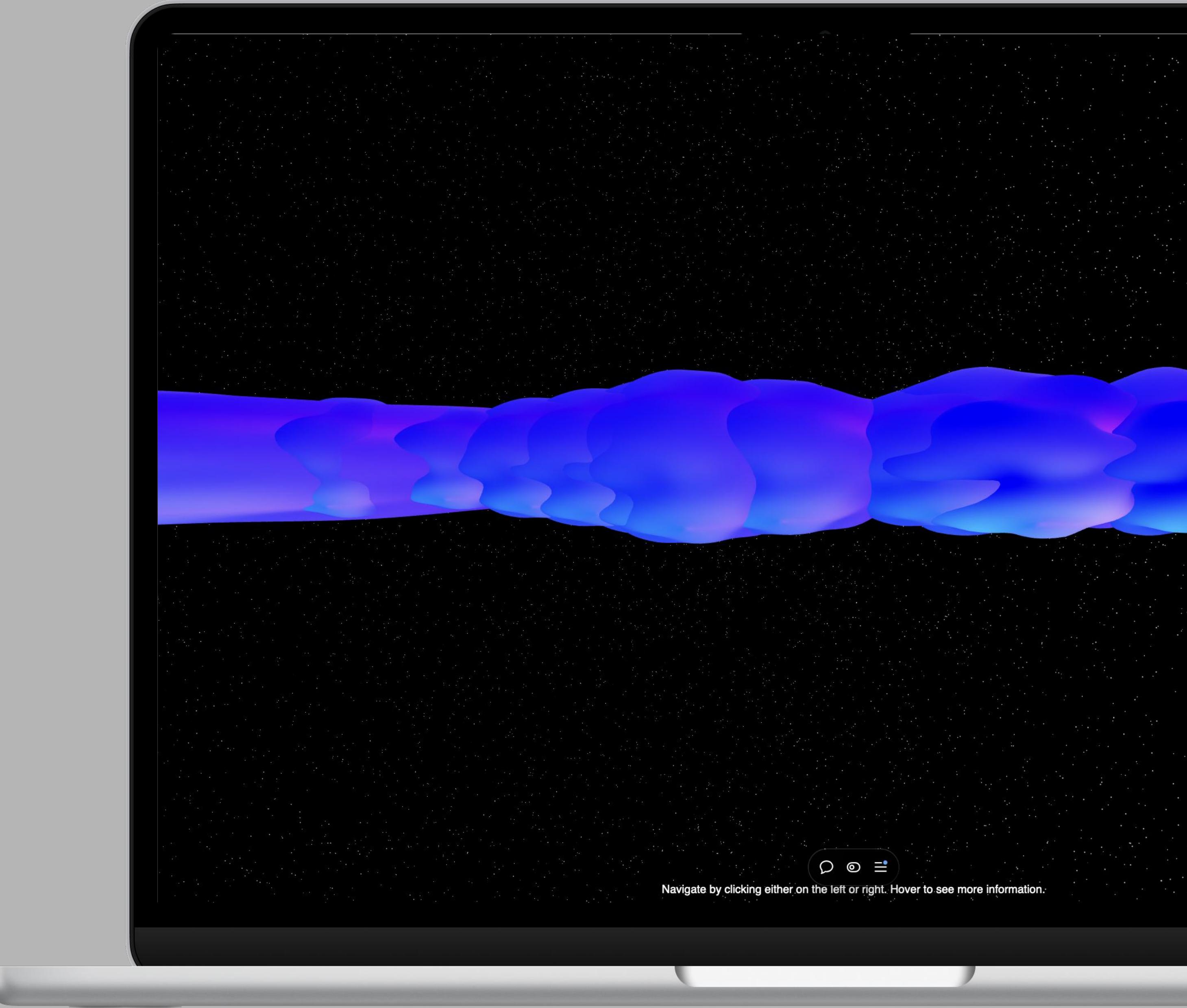
Why is there a need for more funding in open-source? At this point we need to correlate increased funding with an increase of popularity and safety of open-source projects.

## A review of the current landscape

This point shall offer a review of the current landscape of software projects. How can a more popular open-source landscape tackle problems like monopolisation and data privacy issues.

<https://sapienza-information-design.vercel.app/>

Additionally we want to allow our target audience, the **policy makers**, to **further explore** the issue. For this we want to link an interactive **web-app**. Storytelling and graphic concept shall stay coherent, yet allowing for **deeper insight**, which cannot be summarised on the poster.



# Thanks