

# MAKE talks

## WP4: Introducing the OKW Map of Machinery

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INTERNET OF  
PRODUCTION



# Map of Machinery

Our mission is to provide  
**seamless accessibility to  
distributed manufacturing data:**  
Machines, Makers, Projects.

<http://map.internetofproduction.org>

MAKE

# Why?

We want to provide solutions to

- Making,
- Innovating,
- and Solving global issues, Locally.



## What is the Open Know-Where Initiative?

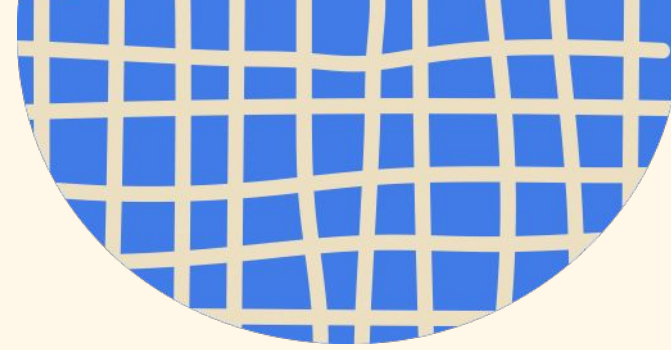
Initiative organized by a technical lead and supported by a diverse Working Group.

Objective: **Collaborate openly to provide access to knowledge about the global distributed manufacturing ecosystem.**

[map.internetofproduction.org](http://map.internetofproduction.org)

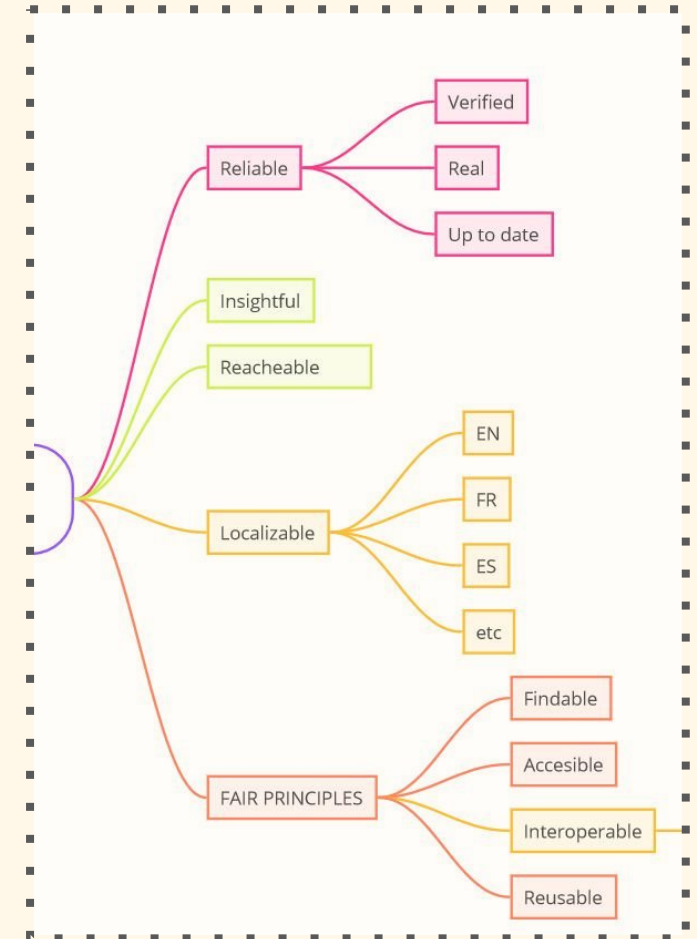
[github.com/iop-alliance](https://github.com/iop-alliance)





## Characteristics:

- Discover and share Distributed Manufacturing Resources.
- Open-Source.
- GDPR Compliant
- Follows an enhanced F.A.I.R. Principles.
- Develops from real world use cases.
- Usability first.

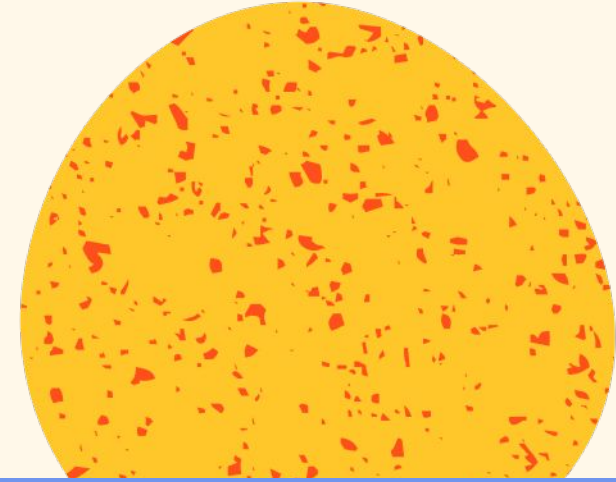


## Use cases:

[map.internetofproduction.org/use-cases/](http://map.internetofproduction.org/use-cases/)

Feedback:

<https://forms.gle/vnRjrto1cV7tUnrU9>



### Disaster Response

Emergency supply chains prepared for community action.



### Economic development

Tools and guidelines to start resilient small, and regional economies.



### MakerSpace Ed.

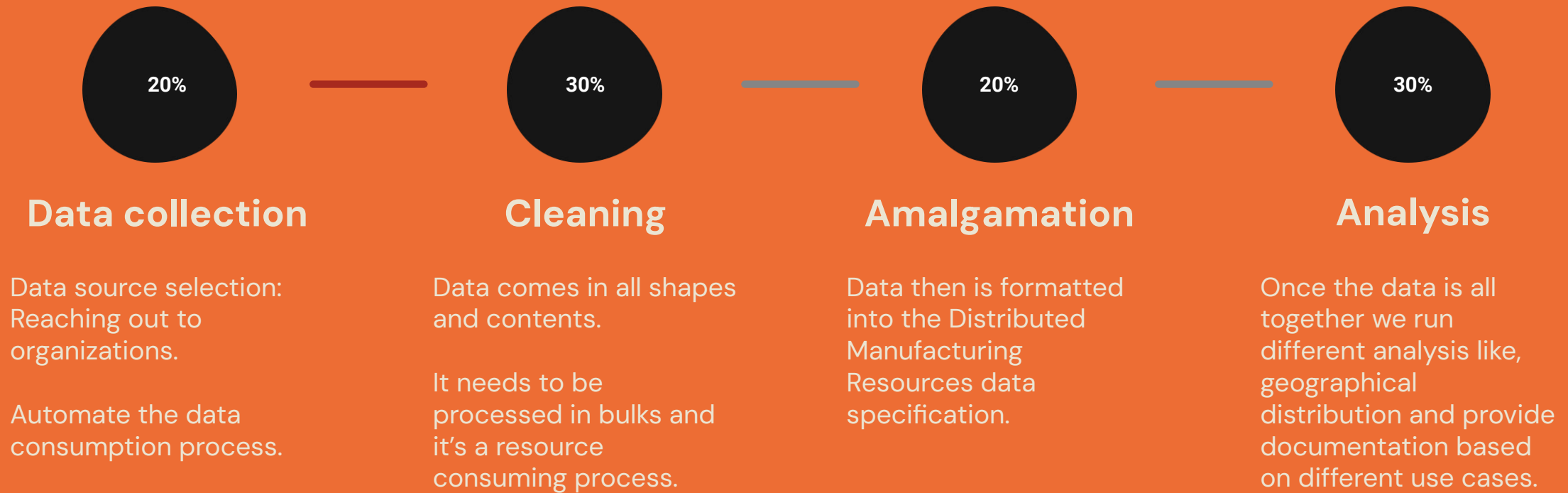
Explore and recreate inventories for more sustainable makerspaces/fablabs.



### OSH design tools

Know where is possible to build specific hardware projects.

## Data flow:





Form and map available at:

[map.internetofproduction.org/data-submission](https://map.internetofproduction.org/data-submission)

<https://map.internetofproduction.org/makeafricaeu.html>

**OKW Data submission form**

Africa Europe Maker Innovation Ecosystem

**What:** This is a self submission tool for the OKW MAP project to survey and collect data on machines, facilities, people, and materials where distributed manufacturing happens.

**Who:** This is intended to be answered by Makerspaces, FabLabs, and innovation hubs within the Alliance and its projects.

**Purpose:** The Internet of Production Alliance collects the data to form a database of machines, facilities, people, and materials by location, to be analyzed and mapped for the Open-Know-Where initiative.

**Data Processing:** The data collected is processed only by the DevOps office.

**Data expiration:** 36 months from the date of publicly available data,

**MAKE**

ASIA

AFRICA

SOUTH AMERICA

Indian Ocean

20

29

15

12

Legend:

- Machinery
- People
- Facilities

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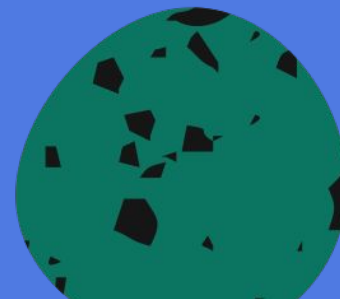
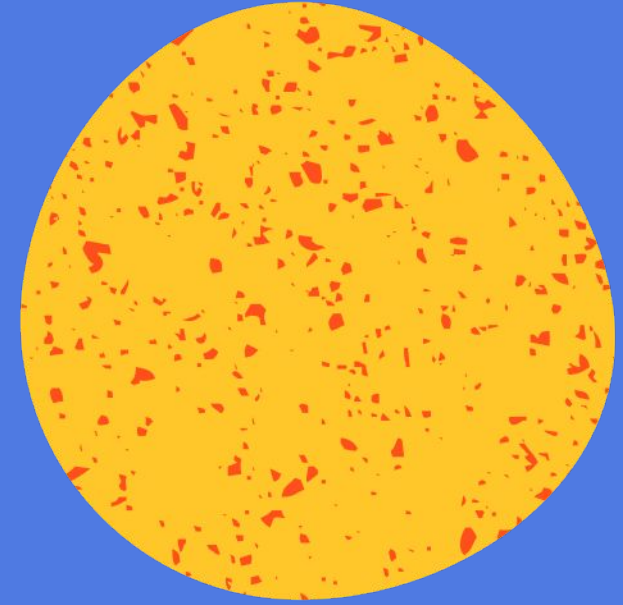


# What comes next

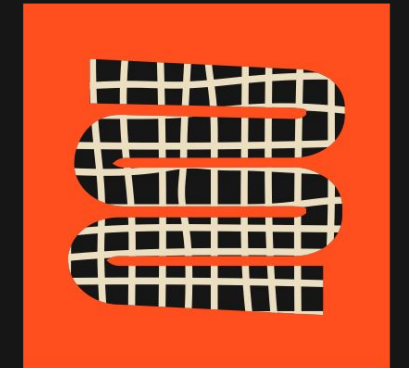
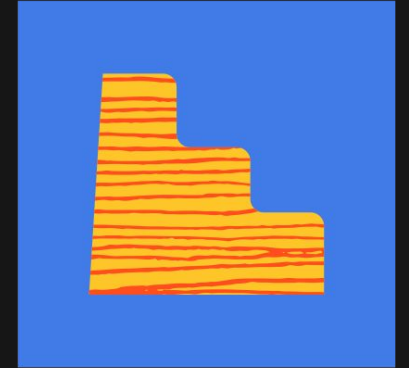
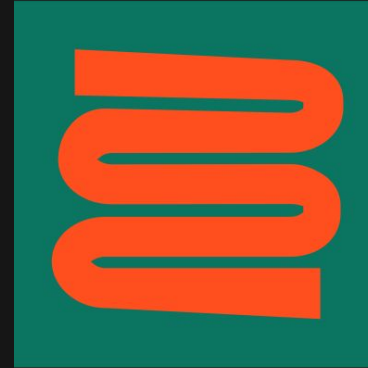
- ★ **Data publishing API**  
Specification available at [github.com/iop-alliance/okw\\_data\\_management](https://github.com/iop-alliance/okw_data_management)
- ★ **Disaster response MVP**
- ★ **Working Group Session – June**  
Details at [community.internetofproduction.org](https://community.internetofproduction.org)
- Send data at [map.internetofproduction.org/data-submission](https://map.internetofproduction.org/data-submission)

## If you have any ideas or contributions:

- Engage at [community.internetofproduction.org](https://community.internetofproduction.org)
- Issues, and pull requests at [github.com/iop-alliance](https://github.com/iop-alliance)
- We are looking for more contributions from the African maker perspective.



**MAKE** African European Maker  
Innovation Ecosystem



*Thanks!*

