



Internet of Production  
Alliance

make

IOPA JANUARY COMMUNITY CALL:

# MAKER COMMUNITY, CONNECTION AND THE PASSPORT

GUEST SPEAKERS



**SARAH HUTTON**

RESEARCH AND  
COMMUNITY  
ENGAGEMENT LEAD



**ANDREW LAMB**

CHAIR, INTERNET OF  
PRODUCTION  
ALLIANCE



**JESSICA NGUEMA**

PROJECT LEAD  
make PROJECT



# Agenda

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- Welcome / IoP Alliance Updates
- mAkE: African European Maker Innovation Ecosystem
- People & Skills Standard and Maker Passport
- Next Steps and Community Involvement

# Community Notes

[shorturl.at/muW68](https://shorturl.at/muW68)





# IoP Alliance Community Updates

Recent changes, upcoming programming, and events

# Updates on the IoP Alliance

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- Data Awards - new round - apply, nominate & spread the word  
[www.internetofproduction.org/news/okw-manufacturing-world-map-data-awards](http://www.internetofproduction.org/news/okw-manufacturing-world-map-data-awards)
- Governance Task Force next Tuesday  
<https://community.internetofproduction.org/c/governance-processes/9>
- Open Know-Where working group progress
- RePublica... Distributed Design book... IASC panels open hardware... OSHWA...



# What's Next with the IoP Alliance

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- Brussels meeting next week

## **Save the dates:**

- Alliance gathering in Hamburg  
1<sup>st</sup> & 2<sup>nd</sup> March 2023
- FabCity Hamburg / Interfacer event  
3<sup>rd</sup> & 4<sup>th</sup> March 2023



# mAkE

## African European Innovation Ecosystem

**Timeframe:** Feb 2022 – Jan 2025



This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 101016858.

# Jessica Nguema

Project Lead (mAkE)  
IoPA Alliance

"Decentralized production is the Future, and I am proud to be a part of the Internet of Production Alliance's efforts to bring about this transformation!"

[www.internetofproduction.org](http://www.internetofproduction.org),  
<https://community.internetofproduction.org/>

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# What is mAkE?

A transdisciplinary approach to connect European and African makerspaces to maximise their potential as spaces for digital innovation, skill building, job creation and contact points for global collaboration networks

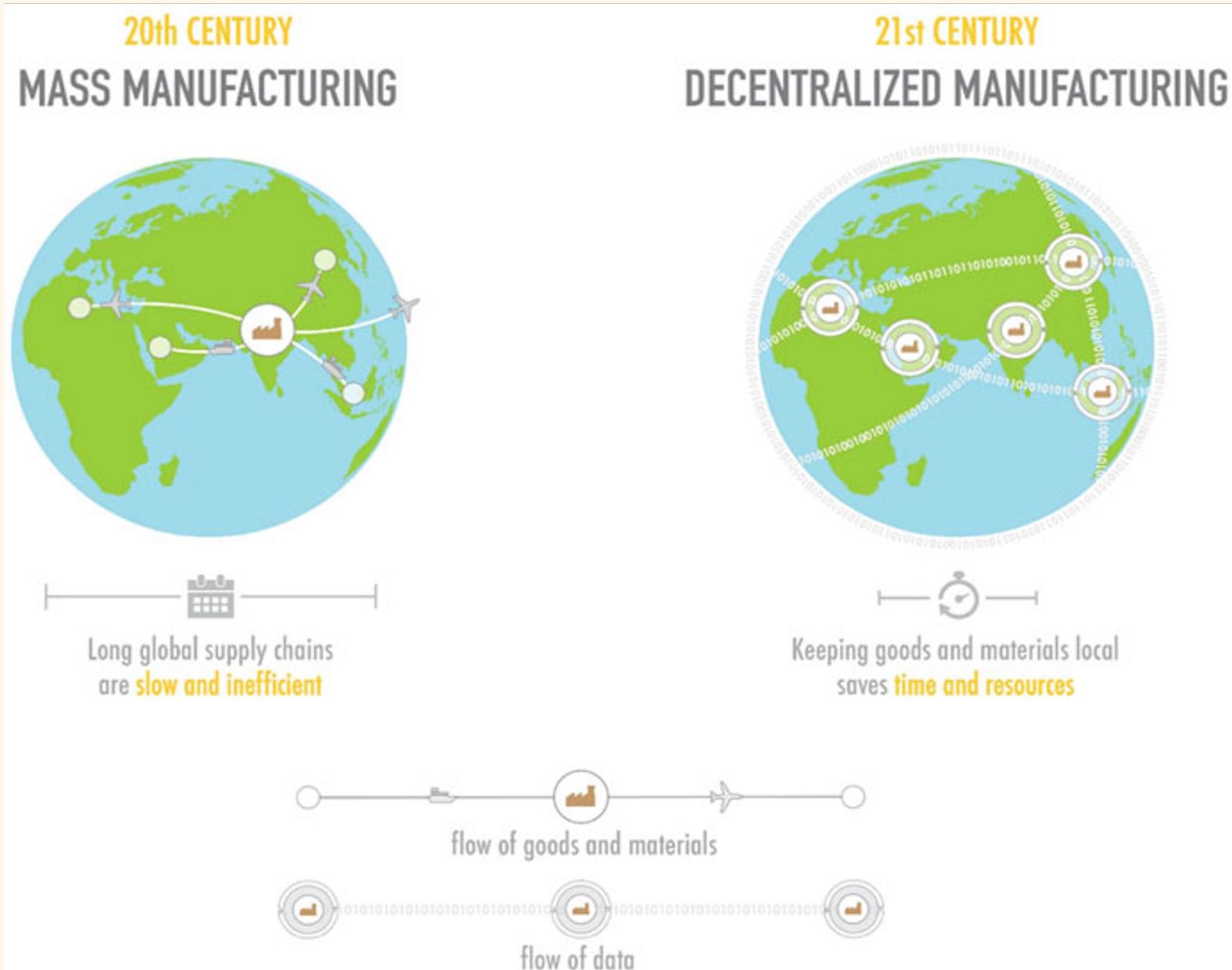


# A transdisciplinary team from Europe and Africa

Networks coordinated from  
Cameroon, Germany,  
Ghana, Denmark, Spain,  
South Africa, Austria



# makerspaces as Digital Innovation Hubs for local smart production



# Our vision



By 2025 we have the ambition that over 70% of makerspaces across Africa and Europe are networked amongst each other and are linked in a collaborative and economically fruitful way with SMEs, corporations, investors, local governments and other ecosystem actors.



## Policy innovation & network building

Co-creating governance strategies for the establishment and development of regional hub networks



Case studies on Hub Alliances



Joint policy agenda



Explore African cities joining the Fab City Network



## Technical Innovation

Creating open standards and management tools for makers and maker spaces enabling them to form a distributed manufacturing network



Maker Passport



Map of Machinery



Contracting system



## Business model and venture building

Company builder programme allowing access for high potential impact innovation startups to mentors that develop sustainable business models and targeted matchmaking services



Venture Building



Business Model Catalogue



Exploring new funding structures



## Capacity and skill building

Creating open educational resources and a share online learning environmental and training for hubs and makers



Co-created toolkit

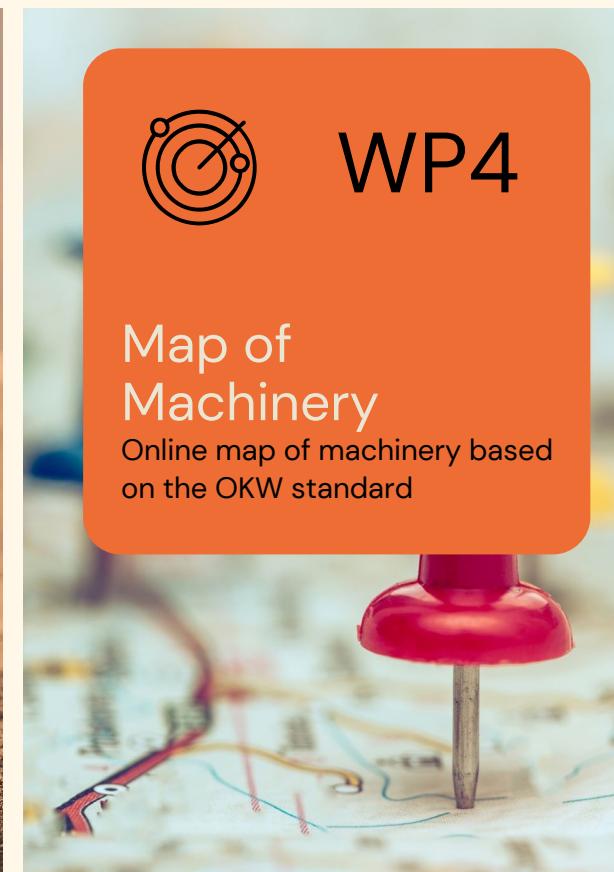
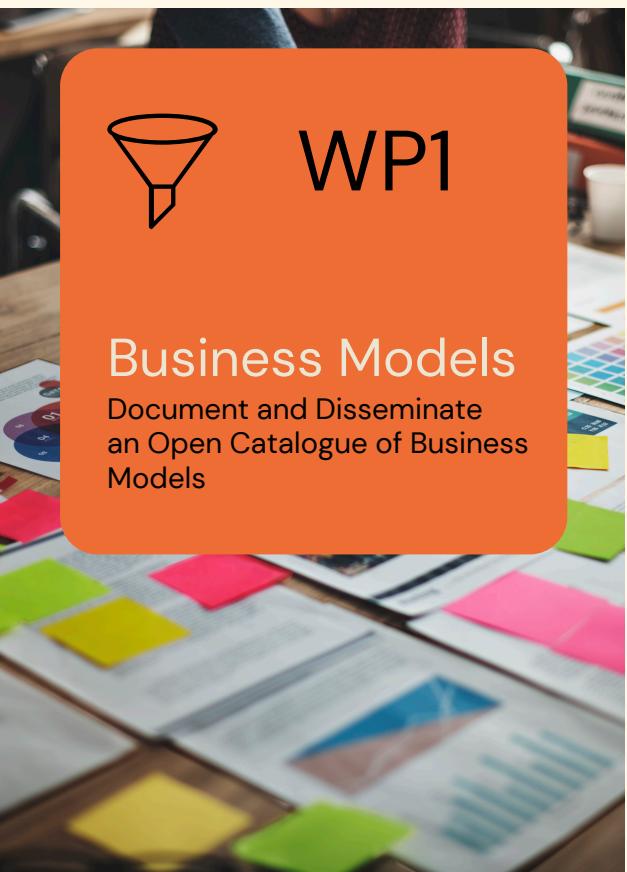


Trainings in maker spaces

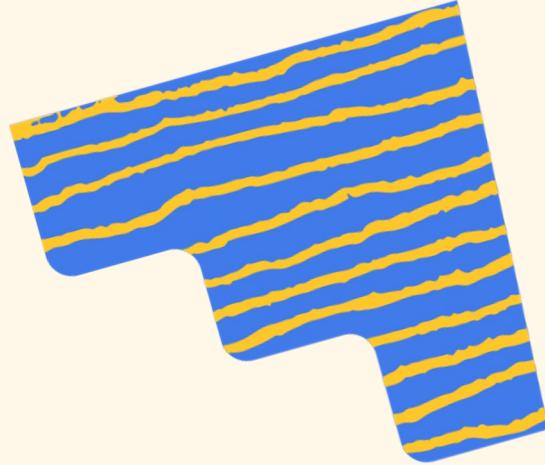


MOOC

# What do we (IoPA) work on?



# What's next?



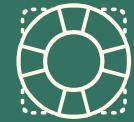
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- • • •
- Mapping                    Co-Creation of contents and deliverables                    Testing and Review                    Implementation and Training                    Exploitation



MAKE



18 Jan. 2023  
13:00 UTC



# Business Models for Local Production

Webinar on consultancy as an element of the business model for makerspaces.

Please [REGISTER!](#)

**gig**  
GLOBAL  
INNOVATION  
GATHERING

 MANUFACTURING  
CHANGE



# Thank you!

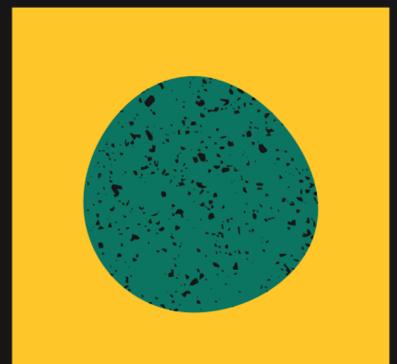
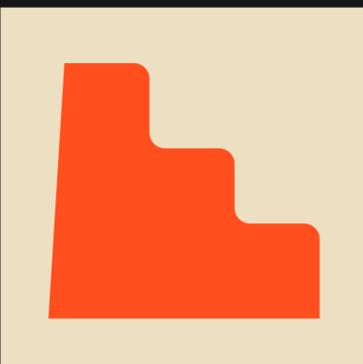
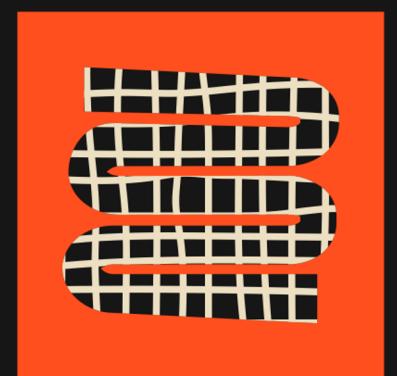
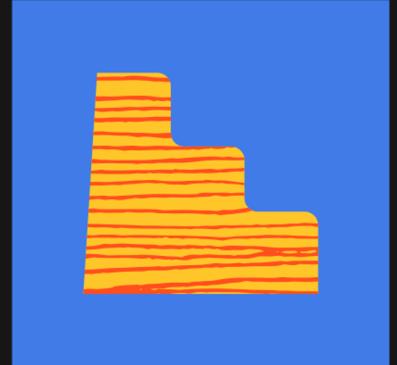


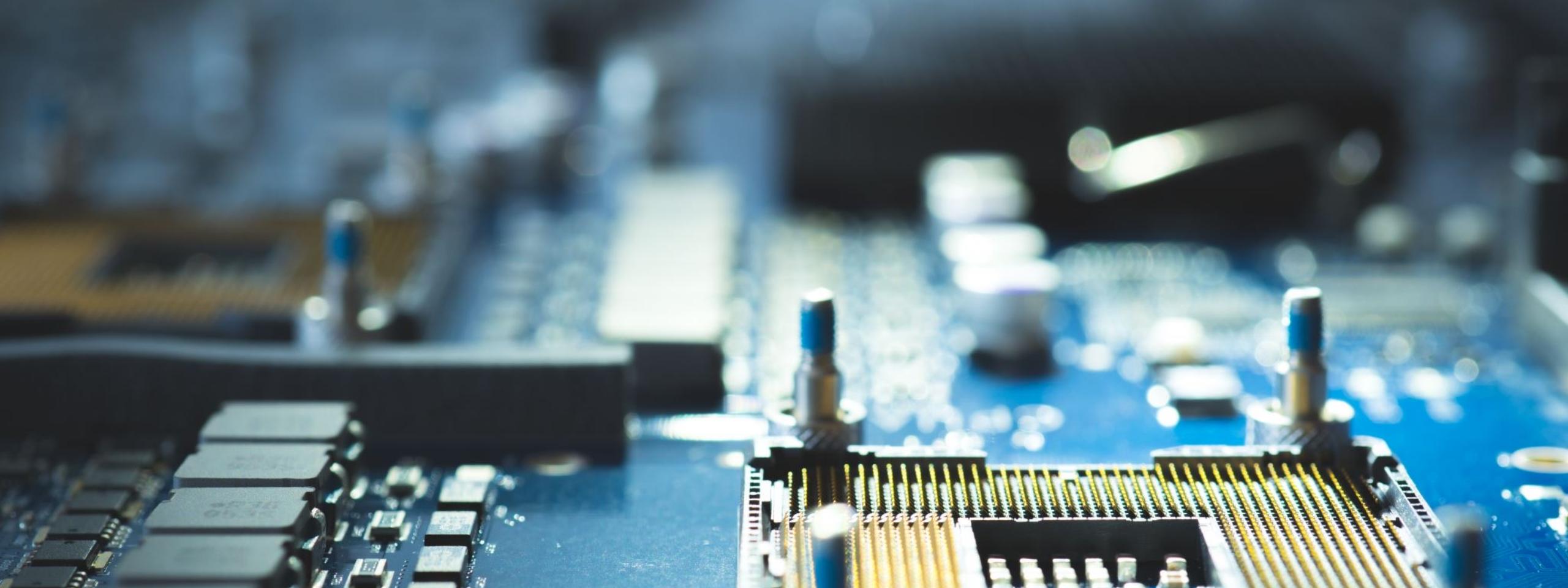
African European Maker  
Innovation Ecosystem

[makeafricaeu.org](http://makeafricaeu.org)



This project has received funding from the European  
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# People and Skills

Overview of the project, process, outputs, and assessment

# People and Skills Standard: Overview

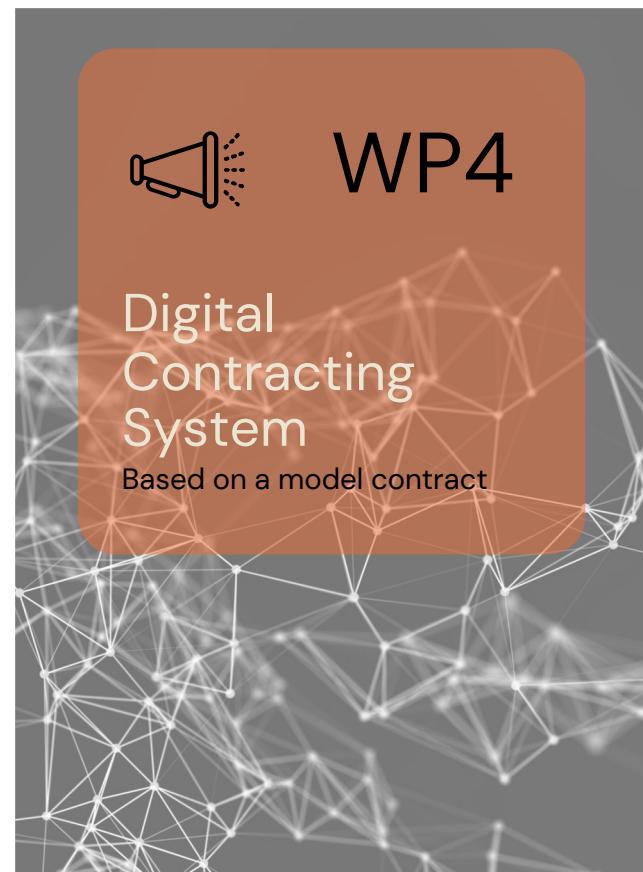
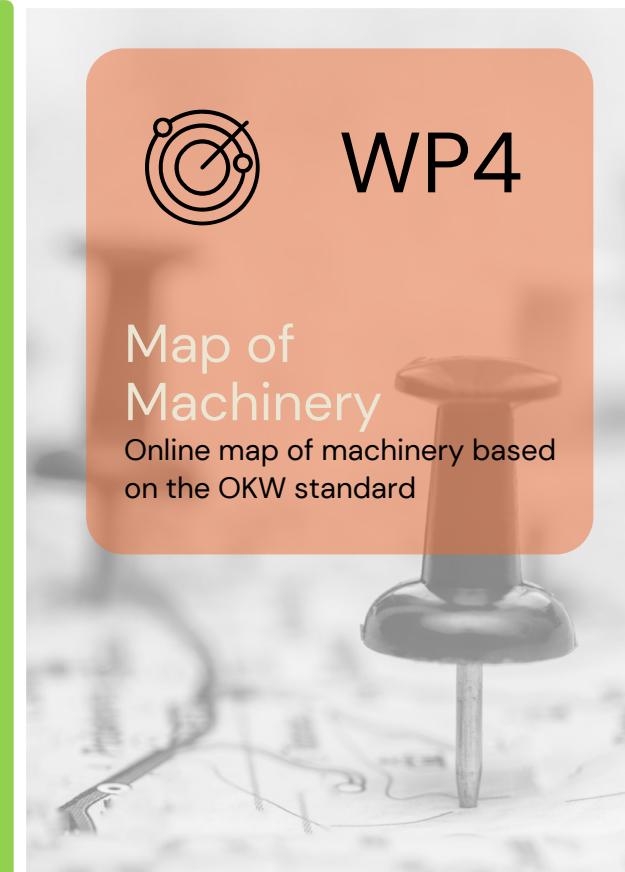
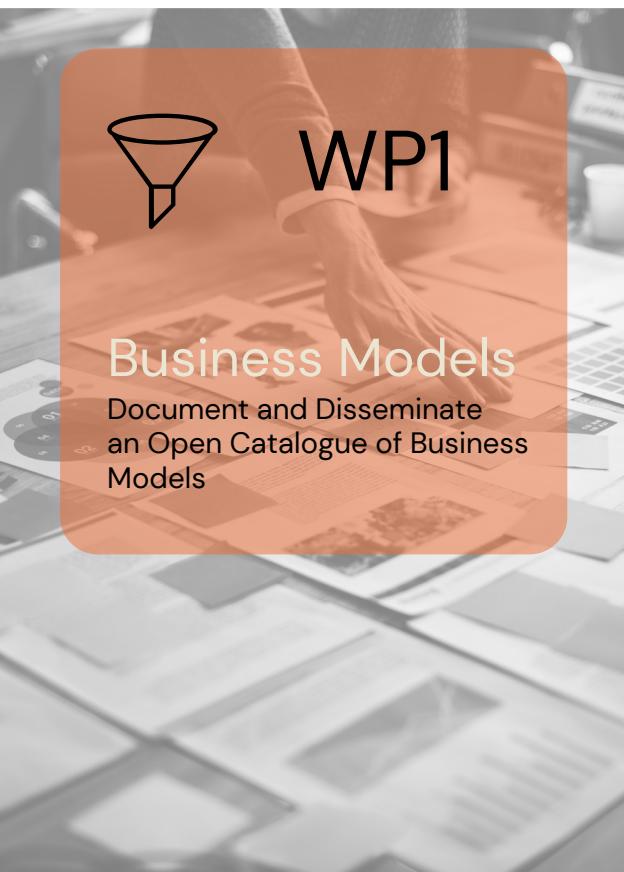
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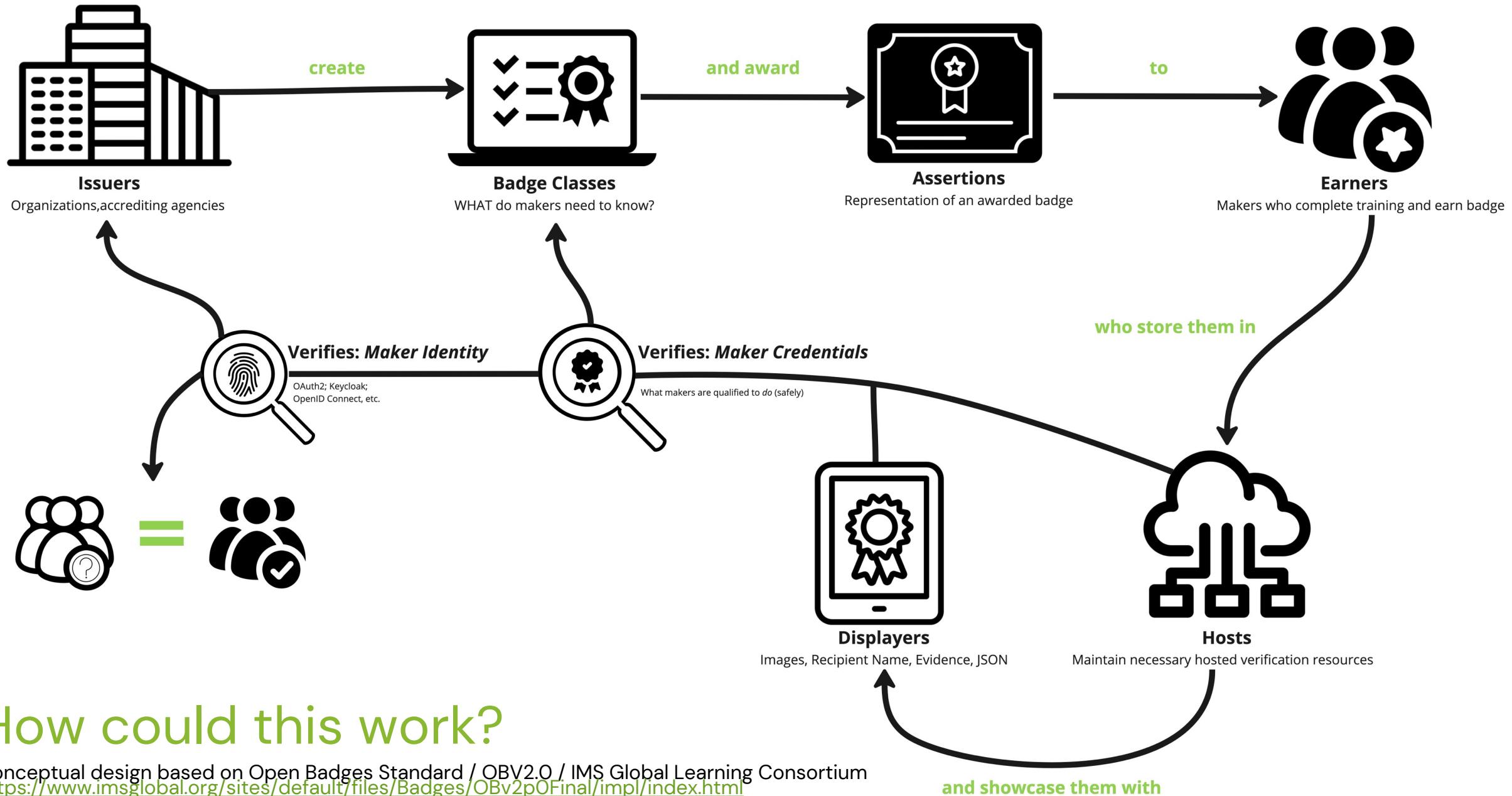


- IOPA vision: the **central goal** of this work is to create a shared understanding of the explicit, implicit, tacit, and procedural knowledge necessary for individual makers to participate in and easily navigate a distributed manufacturing ecosystem.
- Funding support  
*Sloan*



# Where the People and Skills Standards Integrates with mAkE





## How could this work?

Conceptual design based on Open Badges Standard / OBV2.0 / IMS Global Learning Consortium  
<https://www.imsglobal.org/sites/default/files/Badges/OBV2p0Final/impl/index.html>



# Problem We're Trying to Solve for: Makers, Designers, Engineers, Artists (Target Audience)

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**WHY:** Why create a maker passport?

*What is the purpose, benefit[s], and utility of a passport?*



**WHO:** Who is the maker, as *identified by affiliation, and which affiliations may indicate transferable/verifiable skills?*



**WHAT:** What do makers need to prove as part of the digital passport?

*What qualifiers are needed to indicate skills and experience?*



**HOW:** How are skills, experience, and identity verified?

*What authentication and credential verification processes.*

# MAKER PASSPORT PROJECT TRAJECTORY: PEOPLE AND SKILLS

Developing mutual recognition of hardware DIH users' skills using make passports [mAkE D4.1 WP4]



**Target Date: 30 June 2023**

# What Comes Next?

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- Establishing People and Skills Working Group, with potential multiple workstreams:
  - Writing the standard
  - Literature review
  - Conducting interviews/outreach

**And how can we involve the COMMUNITY?**





## NEXT STEPS AND COMMUNITY INVOLVEMENT

How can we take this work to continue fostering community engagement and development in this space, building on the research that has been conducted, and the work that is ahead of us?

# Open Discussion

How can we take this work to continue fostering community engagement and development in this space, building on the research that has been conducted, and the work that is ahead of us?

[shorturl.at/muW68](https://shorturl.at/muW68)



# Thank you for joining us

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**Please get in touch if you have any questions or queries:**

Twitter: @IoP\_Alliance, @openknowhere

Email: [info@internetofproduction.org](mailto:info@internetofproduction.org)

**Join our community discussion:**

<https://community.internetofproduction.org>