

2nd Joint Migration Policy Workshop -Towards sustainability and adoption
21-22 October 2021



The MICADO approach to Uptake and Sustainability

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MICADO Sustainability by Project Design

Co-creation, Convergence, and Uptake

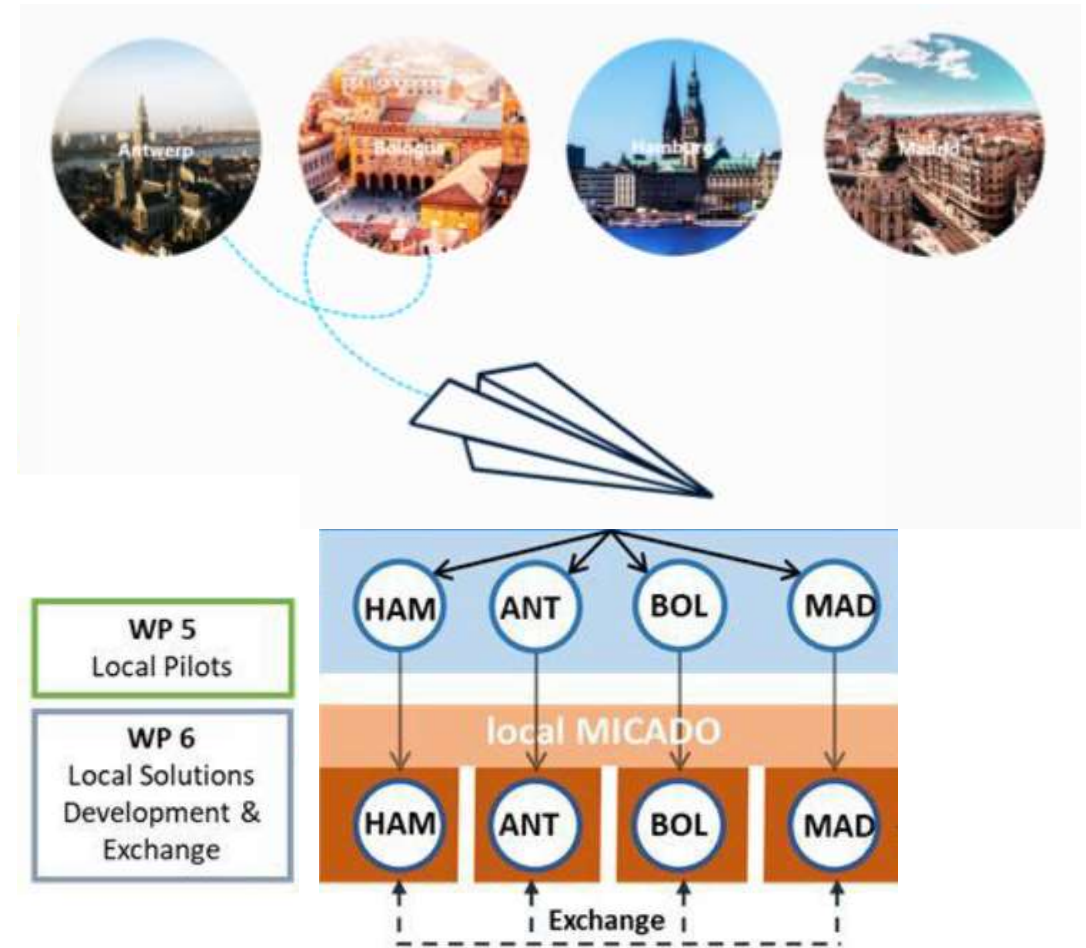
- **Goal:** Ensure long-term sustainability and development of MICADO solution beyond project run-time
- **Project structure** targeting embedding of MICADO within institutions, communities, routines and (data) environments
- **Uptake Workpackages:** Dedicated WP 5 “Local Pilots” and WP 6 “Local Solutions, Development & Exchange”



MICADO Sustainability by Project Design

Multiple Local Solutions

- Ensuring applicability and future evolution in the different geographical / cultural contexts by way of **multiple local solutions** (“MICADA”) responding to local end-users and specific conditions
- Most relevant **knowledge generated during pilotation** in four cities (WP 5), needs to be included in final technical development stage and in Uptake and Sustainability Plans and Strategies

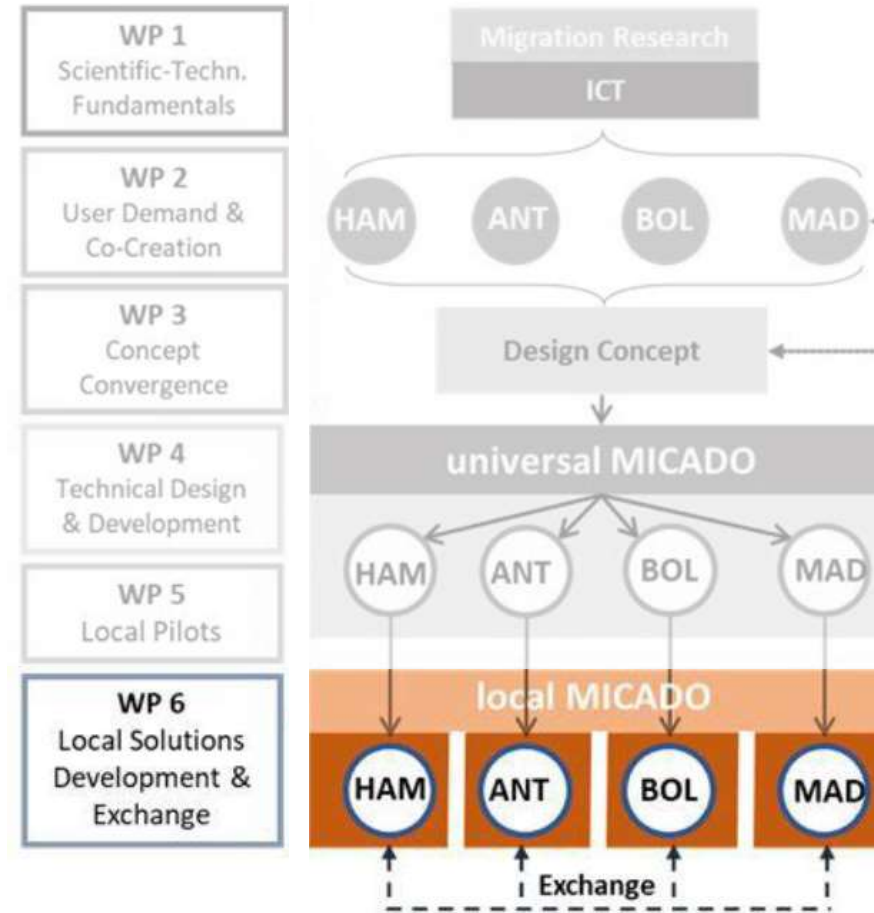


MICADO Uptake and Sustainability Plan

Work in Progress

Key deliverable for WP 6 “Local Solutions, Development & Exchange”: processes, events, activities, guidelines

1. **General Uptake and Sustainability Plan:** General demands → General measures (location-agnostic)
2. **Local Uptake Strategies:** Location-specific demands → Location-specific measures



MICADO General Demands

Three Level ICT Sustainability

1. Sustainable Use: using the solution in daily professional practice, defining new use cases

2. Sustainable Hosting: operating and managing the technical deployment, maintenance, caretaking

3. Sustainable Development: new use cases, features, functionalities; adaptation to new demands, managing GitHub repository (request, questions, tasks)

- **Key question:** are these roles are distributed across different institutions, or in one hand?



REQUISITE
uptake formats
Processes
guidance

MICADO General Measures

Organisation, Processes, Events

- *@ Sustainable Use: **Market Place***: Community platform (repository, website, forum) for contacting, publication, and exchange
- *@ Sustainable Use: **LESCs*** Usage of existing Local Expert and Stakeholder Committees
- *@ Sustainable Development: **Central caretaker group***: a core team for long-term open source development
- *@ Sustainable Development: **Dev Community Event*** promote to open source software development community (e.g. Translateathon)



MICADO General Measures

Sample event: Translateathon

Purpose: Generation of translated text for the MICADO app via the format of a playful and gamified workshop. Can be carried out outline, multiple times, potentially a recurring event also within school classes (language education, social work). **Activity:** Participants can participate in two roles, either as 1) as translator, or as 2) validator. To the “translators” English text (taken from the MICADO app) are given to be translated into their own language. To the “validators”, translated text from the translators are given for semantic and grammatical check. Participants, after a while, can swop the roles. To spur the translateathon, gamification elements are used e.g. artificial timelimits, translator competitions, increasing difficulty of text etc.

- **Duration:** 3...5 hours
- **Location:** Online
- **Organiser:** Authorities, universities, school
- **Participants:** Native speaking migrants or migrant supporters
- **Preparation:** Text bodies, Online / game room, Credits and incentives



MICADO Location-specific Demands

Administrative, social, cultural, technical ... context

- **Adaptation and extension** of general UASP for local and sustainable implementation
- **Local uptake profiles** with key specifics, individuality, differences of involved cities / places
- **Mapping stakeholders** and their specific roles in each local group

UPTAKE PROFILE HAMBURG

City-state with the cross-connecting Senate Chancellery as a coordinating unit (partner within MICADO consortium). Multiple Experiences from previous research-driven IT-projects (DIPAS, COSI a.o.) that were embedded in municipal ecosystem.

USE: State authority for Social Affairs (BASFI), Local District Authorities for Social Affairs

HOSTING: Dataport Central IT service provider for North German federal states, costly

DEVELOPMENT HCU (university) and LGV (state authority)



MICADO Location-specific Measures

Portfolio of Activity

- **Portfolio** of place-specific approaches and unique solution (good practices, learning cases)
- **Mutual adaptation** special uptake formats for adapting the system to local end-users and vice versa
- **Local Caretaking:** Actively using the interests and capacities of MICADO consortium partners

UPTAKE MEASURE HAMBURG

MICADO inside HCU academic curriculum

HafenCity University (HCU) will embed creative software development and experimental application of MICADO within its academic teaching e.g. as regular component within the curriculum of Digital City Science lab (MICADO coordinator), or as interdisciplinary block seminar (hackathons).



MICADO Brief Guideline

How to create a Local Uptake Strategy?

- **Contextualised roadmap** from current status quo to MICADO's sustainability goals. Derived from general UASP and local-specific demands / measures
- **From sketch to strategic document:** from definition of overall direction to concrete measures and events



MICADO Local Uptake Strategies

Local Uptake Strategy Sketch: Hamburg

PURPOSE The uptake activities ensure that MICADO is known and well-received by administrators and tech developers in relevant local Hamburg authorities, as well as in the creative SW scene, in order to motivate them to further use and develop MICADO after the H2020 project has finished.

STRATEGY ROADMAP Administrators and tech developers from migration-related authorities Hamburg authorities, as well as from the creative SW scene resp. CSO, will receive targeted communication about MICADO in the end of 2021, and be invited to co-creative uptake workshops beginning of 2022. Over the course of 2 months, 3 targeted workshops will be carried out at HCU Hamburg with approx. 30 participants. Workshop 1 addresses administrators and technical developers from the local Hamburg tech scene and invited to facilitated hackathons. The uptake process is accompanied by a press & media campaign in local media, and a thorough documentation of activities and results. The MICADO solutions, the software code and results will be documented in an open repository.

PARTNERS Authority for Social Affairs, Geoinformation Agency, Senate Chancellery, Code for Hamburg, Hamburg Universities, Hamburg Innovation, Media Tech Cluster Hamburg.

FORMATS & TOOLS In accordance to the different partners / stakeholder groups, 2 different workshops formats will be carried out: 1) Hackathon (two local event over 2 days), 2) Business Case Competition (1 online event over 2 weeks). The press and media campaign consists of press releases, press conference, and social media posts. A Github documentation will be created with a Hamburg branch and curated by [person] until [date].

SCHEDULE Press announcement [date], Hackathon 1 - invite [date], Hackathon 1 – event [date], Hackathon 2 - invite [date], Hackathon 2 – event [date], Business Case Competition - invite [date], Business Case Competition - event [date], Press conference [date]

RESOURCES Cost for workshops [room rent, catering, tech licenses], communication, personnel. The costs will be covered by resources from [MICADO, authorities, sponsors, else]

CONTACTS From the local MICADO team, [persons] will organize and supervise the uptake activities. Contact persons from the participating partners are [persons].



Manual with 6 Chapters



1. Why & what?



2. Outcomes & Results



3. Uptake Strategies



4. Formats



5. Tools



6. Contact & Support

Work in progress.



1. What is "uptake", and why is it necessary?

- Transgression of MICADO from project to solution
- Handover from project team to care-taker
- Ensuring the long-term survival of MICADO
- Continuation after project funding stopped



2. Expected outcomes & results

- A "care taker" has been found
- [An engaged and committed community is built](#)
- MICADO shows dynamic further evolution and discourse



Building a Community

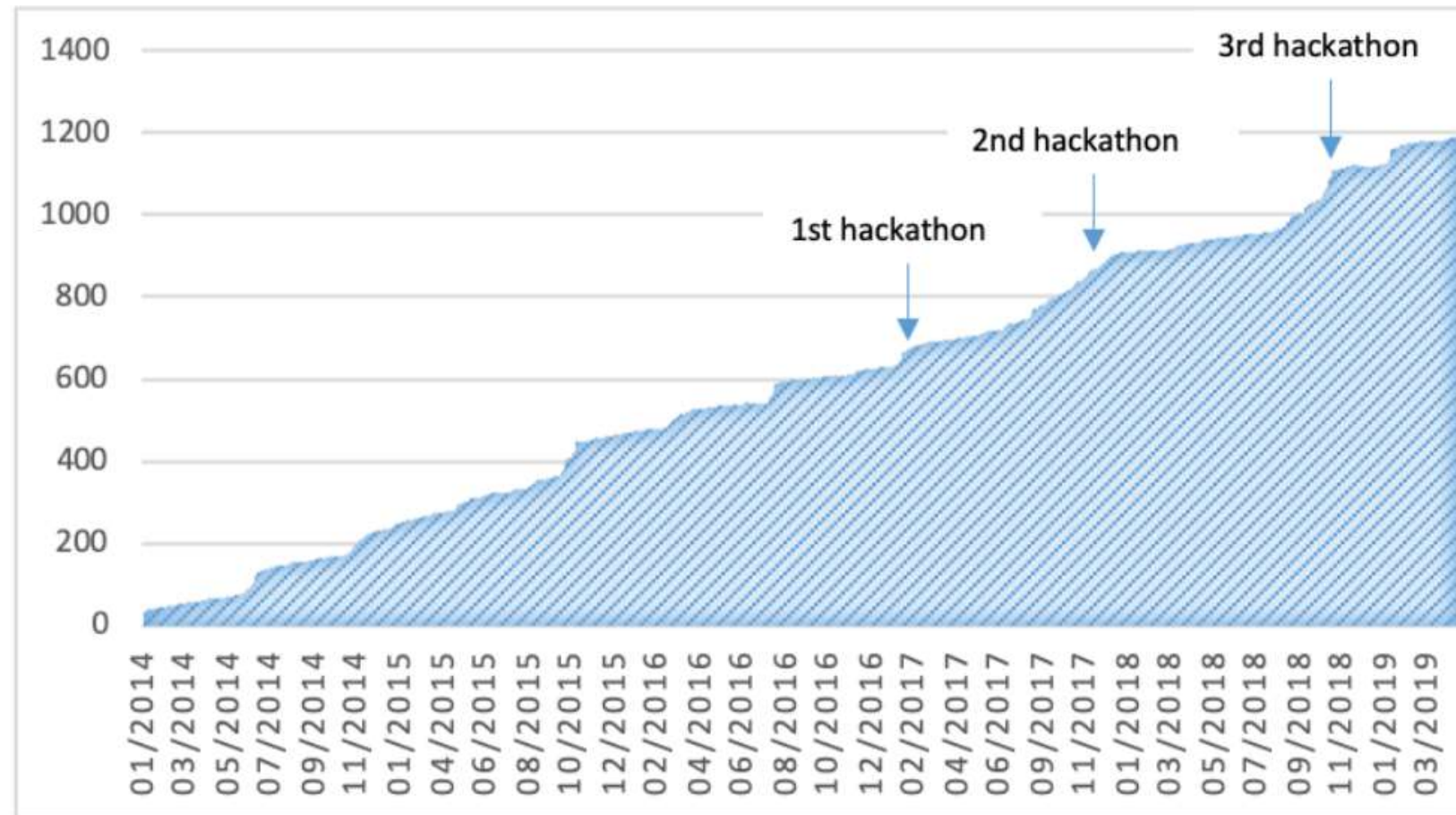


Figure 2. Total number of members of the Meetup group Hacking Health Berlin from January 2014 to March 2019. The three hackathons are marked with arrows [9].

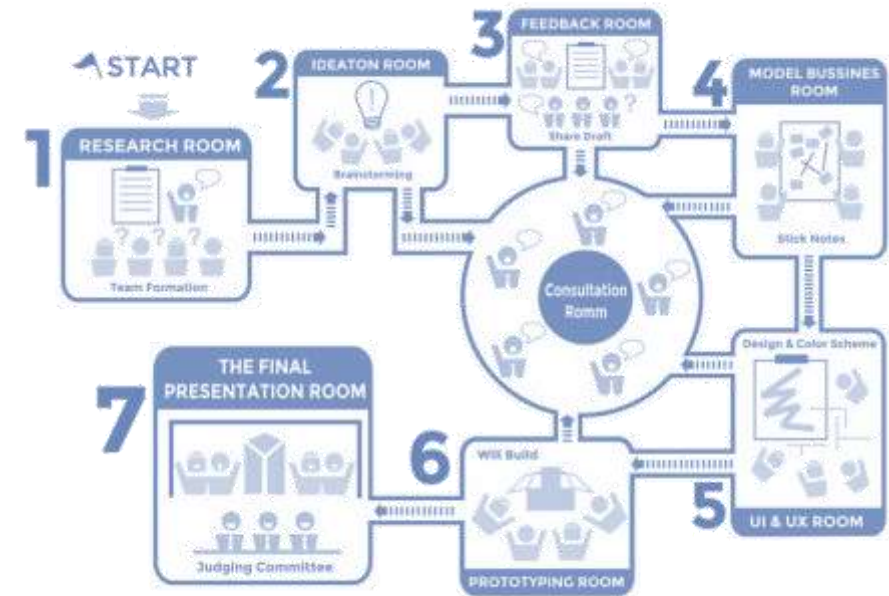
3. Potential uptake strategies

- Adaptable to context, location, possibilities
- [Components: activity formats, timeplan, partners, ...](#)
- [Ready-made 3...4 blueprints](#)



Components

- Press Campaign
- Ideathon
- Hackathon
- Business Competition
- Documentation
- ...



Blueprints

Low Effort / Costs / Duration

- Ideathon + Press Campaign + Documentation
- Hackathon + Press Campaign + Documentation
- Business Competition + Press Campaign + Documentation

Medium Effort / Costs / Duration

- Hackathon + Business Competition + Press Campaign + Documentation
- Ideathon + Business Competition + Press Campaign + Documentation

Uptake deluxe

- Ideathon + Hackathon + Business Competition + Press Campaign + Documentation

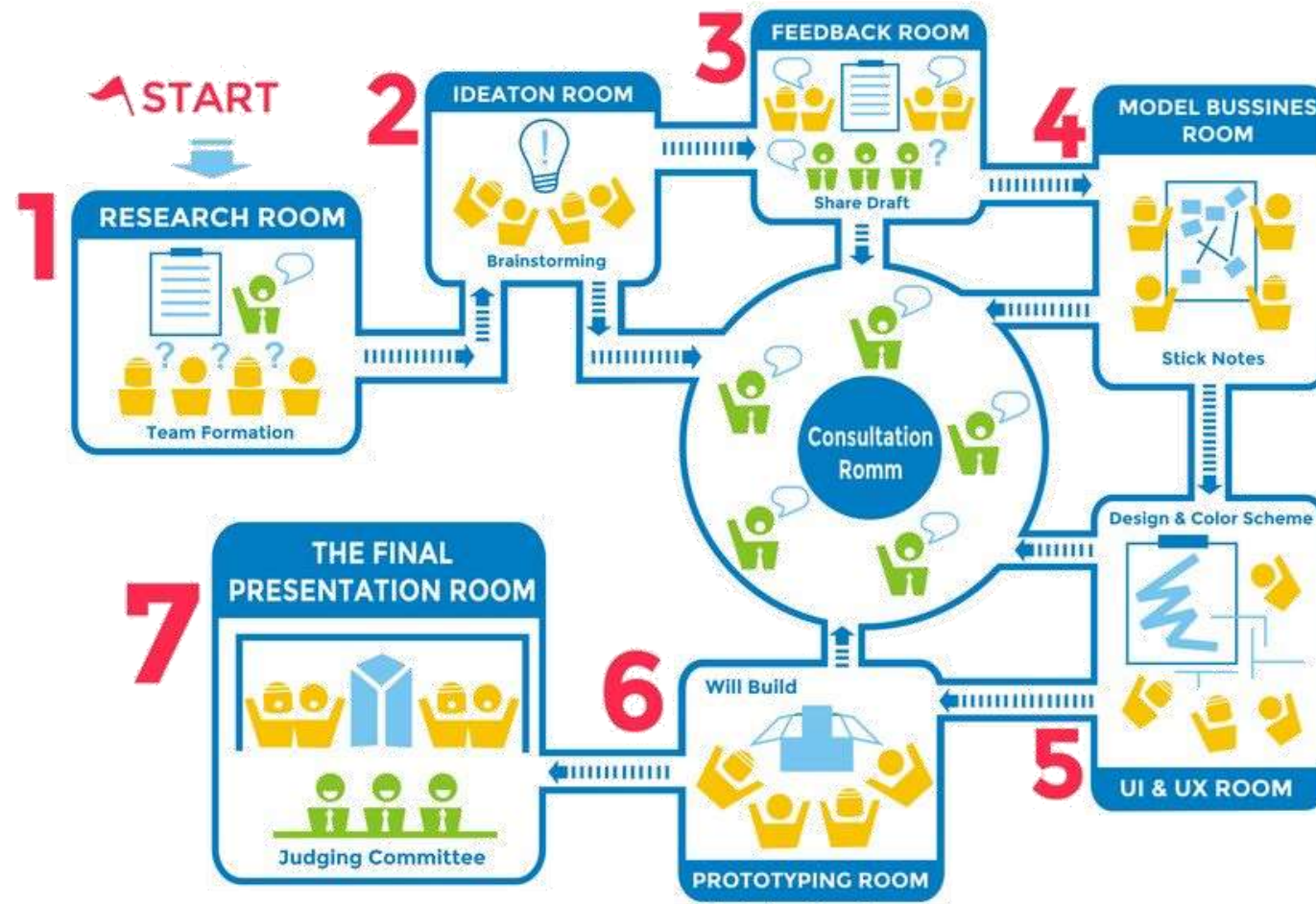


4. Formats to secure uptake

- [Creative events \(Ideathon, Hackathons, Code camps\)](#)
- Communication formats (Press work, Web)
- Documentation and Curation (Repositories)

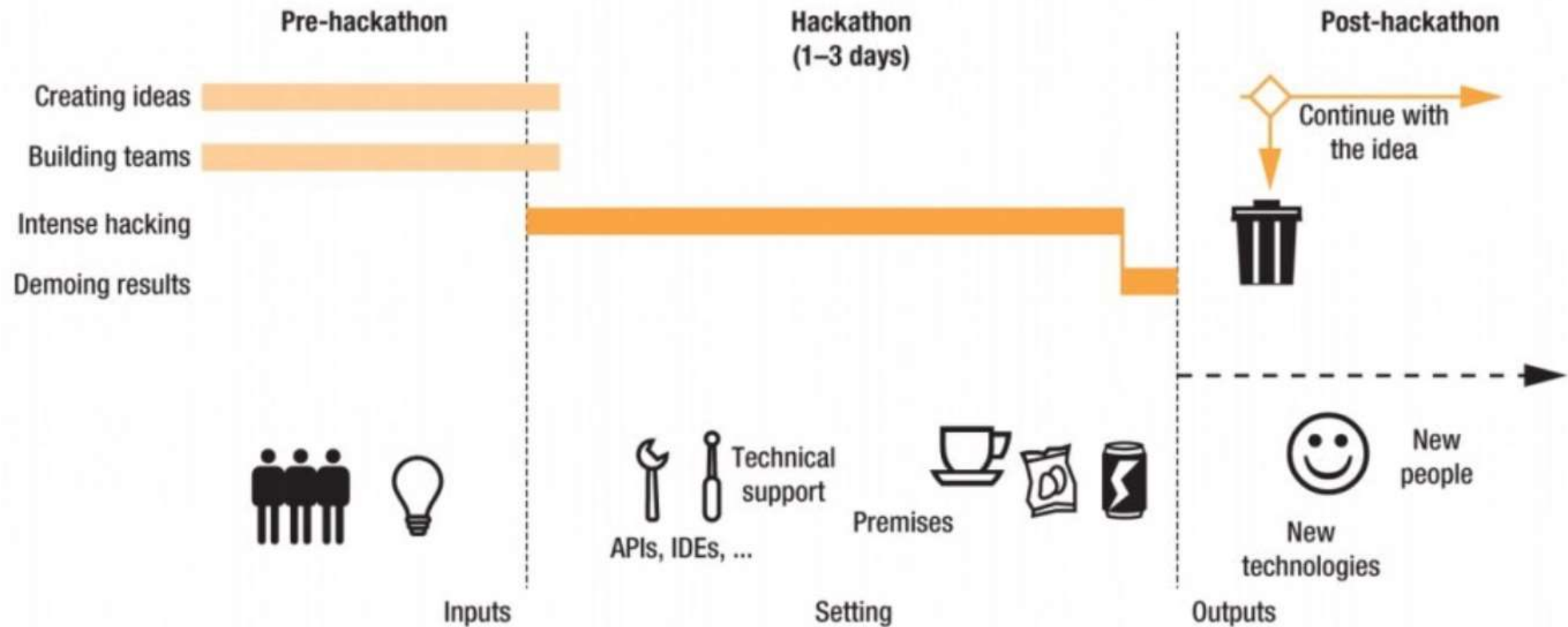


Creative Format: Ideathon (2...3 Days)



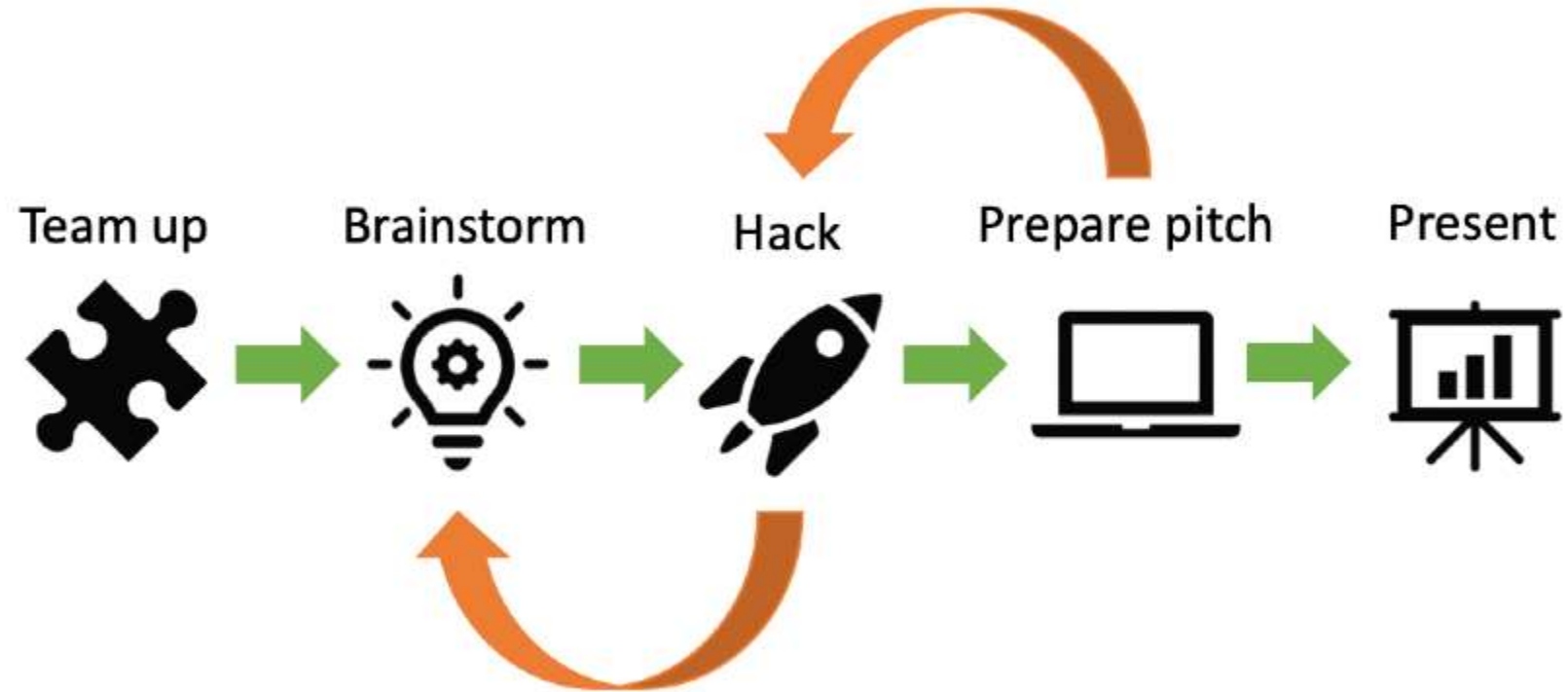
Output: Design prototypes, User Stories, Use Cases

Creative Format: Hackathon Event (2...3 Days)

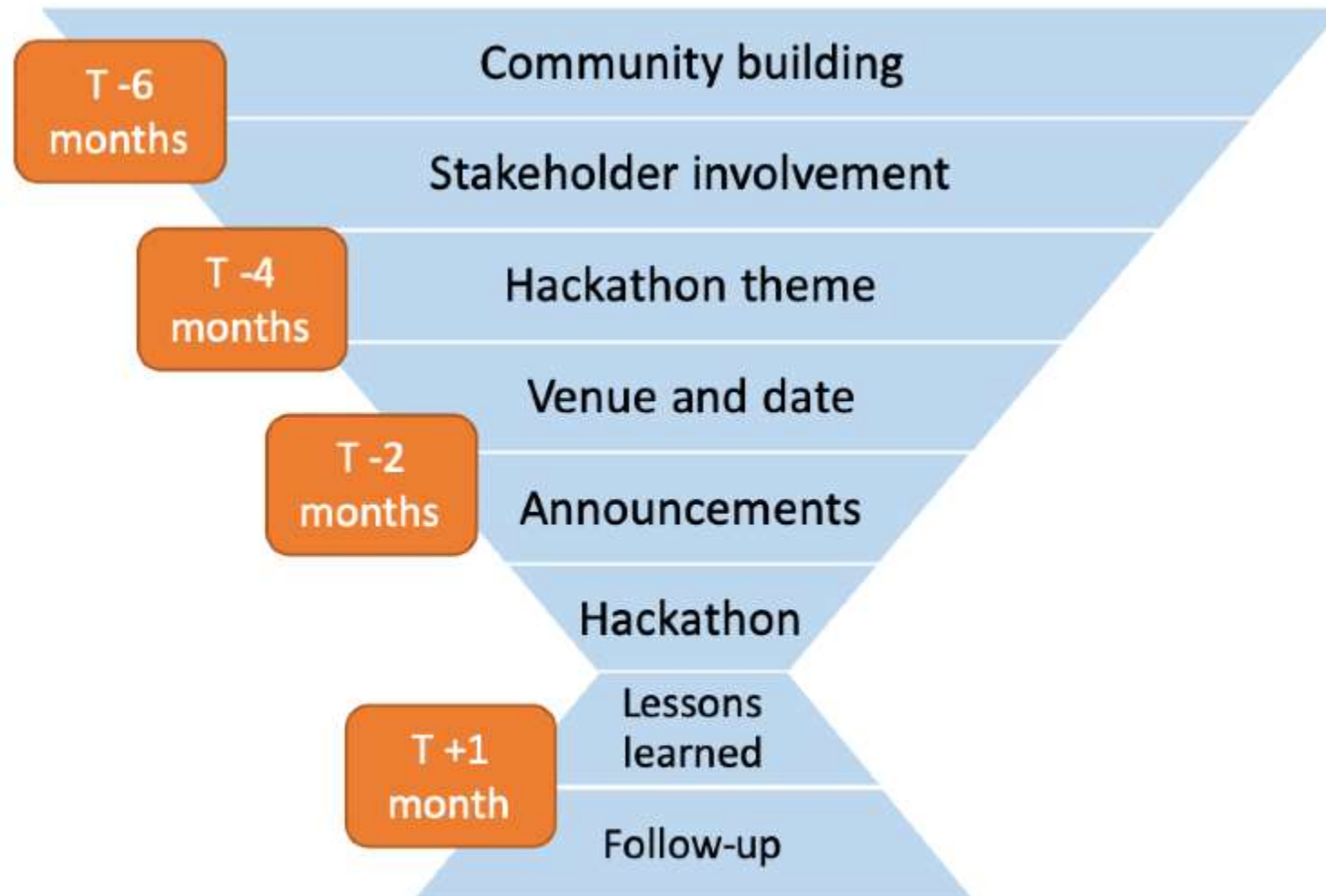


Output: Software prototypes, SW-Community

Creative Format: Hackathon process



Creative Format: Hackathon timeline



Creative Format: Hackathon Event (8 weeks)

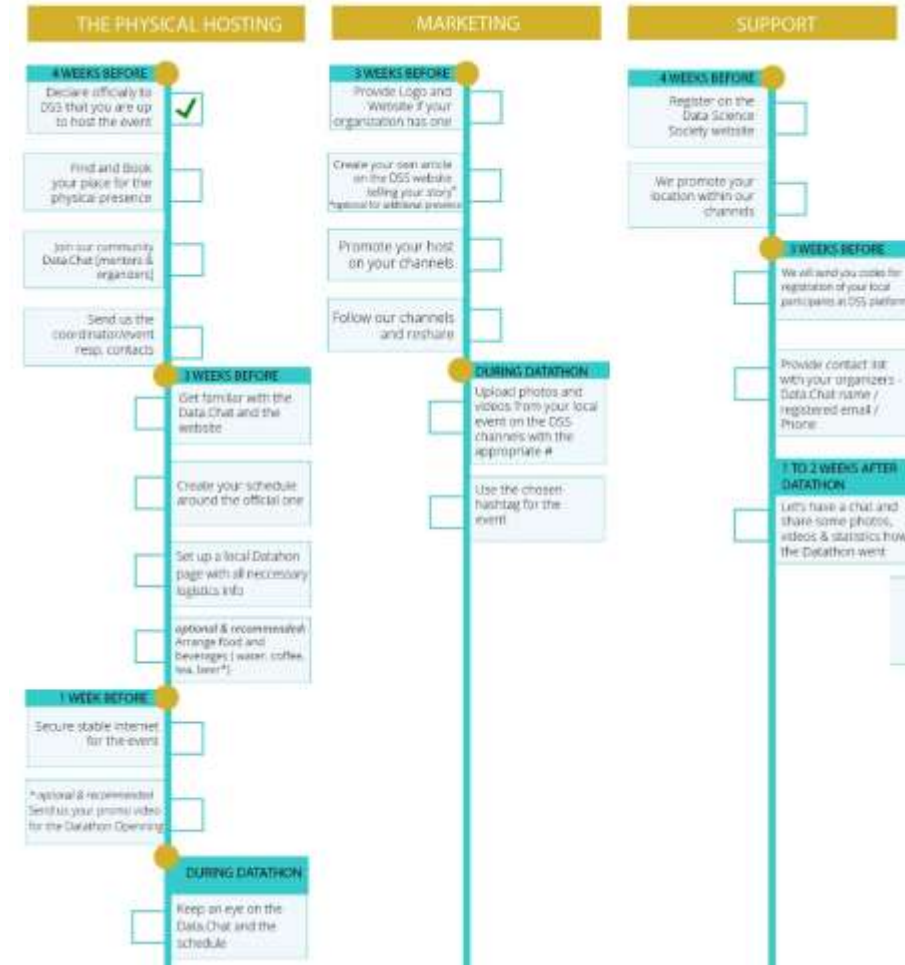


Creative Format: Datathon (2...10 Days)



at the 18th European Week of Regions and Cities
13-15 October 2020 Brussels

- **19 February 2020**
Launch of competition
- **3 May 2020**
Deadline to submit proposals
- **29 May 2020**
Shortlisted teams announced
- **13-15 October 2020**
Final selection of winning apps



Output: SW Prototypes, algorithms for non-specific purposes

Creative Format: Business Case Competition (2 days ... 2 weeks)

<p>2010/2011</p> <p>"Develop a new plan for the future service delivery strategy for Philips DirectLife"</p> <p>PHILIPS</p>	<p>2011/2012</p> <p>"Develop your concept for the use of innovative technologies at Lufthansa Technik Logistik in the aviation industry"</p> <p>Lufthansa Technik Logistik Services</p>	<p>2012/2013</p> <p>"Develop your concept for a Business model for technology based Value Services in the Automotive Production within Siemens"</p> <p>SIEMENS</p>
<p>2013/2014</p> <p>"Develop services for machine-to-machine (M2M) concepts in the industrial sector"</p> <p>T..</p>	<p>2014/2015</p> <p>"Develop services for Smart Car-to-Cloud-Applications"</p> <p>STREETSCOOTER an Uber-owned start-up Deutsche Post DHL Group</p>	<p>2016</p> <p>"Develop smart spare part logistics of the future"</p> <p>DMG MORI</p>
<p>2016</p> <p>"Develop the future of services, based on digital documentation"</p> <p>SMS digital</p>	<p>2017</p> <p>"Develop innovative approaches and business models for coded light"</p> <p>PHILIPS</p>	<p>2017</p> <p>"Develop new connectivity based business models and services along the customer journey of thermotechnology products"</p> <p>BOSCH</p>
<p>2018</p> <p>"Develop innovative business models and services for KUKA Robotics"</p> <p>KUKA</p>	<p>2018</p> <p>"Develop innovative business models to integrate hidden champions on the Add2Log platform"</p> <p>materialise</p>	<p>2019</p> <p>"Define the commercial vehicle of the future through development of new innovative business models and services around the Ford Transit"</p> <p>Ford</p>
<p>2019</p> <p>"Develop new business models based on air quality sensors"</p> <p>GEOTAB</p>	<p>2020</p> <p>"Develop a market entry strategy for a disruptive condition monitoring solution"</p> <p>SCHAEFFLER</p>	<p>2020</p> <p>"Develop concepts to enhance the service portfolio of the future"</p> <p>SCHAEFFLER</p>

... and what is your challenge?








Output: Solution, Marketing concepts, Business Models, Exploitation / Application Schemes

5. Tools to secure uptake

- Creative tools (Trello, Github, [Canvas](#))
- Communication tools (Press work, Web)
- Documentation and Curation tools (MICADO Market, [Github](#), Wiki)



Creative Format: Hackathon Canvas

Hackathon Goals  <p>What are the objectives of our hackathon? What is the context? What is the purpose?</p> <p>Examples for organizers:</p> <ul style="list-style-type: none"> - Source an incubation program - Contribute to the ecosystem - Create new startups - Boost visibility and credibility - Solve problems in a field <p>Examples for attendees:</p> <ul style="list-style-type: none"> - Improve collaboration - Have fun - Create real stuff - Learn tools, methods, best practices - Go-off innovative projects 		Hackathon Type  <p>What are the characteristics of our hackathon? What is the theme? Is it a public, private, or semi-private event? Is it a business or technical oriented event? Is it a for-profit or non-profit event? What is the expected duration? How many participants are expected (10, 50, 100)?</p> <p>Examples:</p> <ul style="list-style-type: none"> - A private for-profit event gathering 50 participants to develop solid business cases during 2 days - A public non-profit event gathering 100 participants to develop business and technical innovative solutions in the FinTech industry during 54 hours - An event where organizers are volunteers and results are open-source 	
Key Partners  <p>Who are the sponsors? Who are the stakeholders? Who are the suppliers? Who are the partners?</p> <p>Examples:</p> <ul style="list-style-type: none"> - Sponsors: public organizations, customers - Suppliers: venue, catering, facilitator, experts - Partners: businesses, communities, press, media 	Attendees' Value Propositions  <p>Pre-hackathon</p> <p>How to recruit the best participants, coaches, experts and jury? How to prepare participants (knowledge, skills, experience)? How to prepare the working environment?</p> <p>During hackathon</p> <p>How to maximize participants' experience? How to support and energize participants? How to monitor working environment?</p> <p>Post-hackathon</p> <p>What are the next steps for projects and participants? Who owns each project? What is planned next with the organizers?</p> <p>Examples:</p> <ul style="list-style-type: none"> - Organize information sessions for potential attendees - Organize workshops about tools and best practices - Set up a process to select the best attendees and projects - Prepare tools, datasets, contact lists and authorization - Organize relevant coaching sessions - Deliver valuable prizes for winners - Organize advice workshops to support participants - Develop networking opportunities - Prepare incentives to continue - Organize a Demo Day - Support projects within an incubation program - Communicate on success stories 		Attendees  <p>Who are the participants? Which skills and expertise are needed to provide results? Do the attendees have to pay to attend the event? Are the attendees invited or paid to come?</p> <p>Examples:</p> <ul style="list-style-type: none"> - Collaborators of the same organization - End-users, business partners - Entrepreneurs, designers, developers - Experts from a specific industry
Key Resources  <p>What are the most important key resources in our hackathon? Who do we need to involve in our hackathon? What are the roles needed to organize our hackathon?</p> <p>Examples:</p> <ul style="list-style-type: none"> - Financial resources to cover costs from venue and catering - Time resources from organizers, coaches, experts and jury - Experience in animation from a hackathon facilitator - Time resources to recruit and prepare participants 		Key Results  <p>What are the results expected from participants? What kind of deliverable is required from participants at the end of our hackathon? What are success criteria for the jury? What is the quality level expected from participants?</p> <p>Examples:</p> <ul style="list-style-type: none"> - Prototype, Minimum Viable Product (MVP) - Brief presentation of team results - Validated business model or business case - Implementation plan or go-to-market strategy - Refined project 	

Documentation / curation tool: Github

The screenshot shows the GitHub repository page for `micado-eu/migrant_application`. The browser address bar displays `https://github.com/micado-eu/migrant_application`. The repository page includes a navigation bar with links to `Why GitHub?`, `Team`, `Enterprise`, `Explore`, `Marketplace`, and `Pricing`. The repository name `micado-eu / migrant_application` is prominently displayed, along with `Notifications`, `Star 0`, and `Fork 2` buttons. Below the repository name, there are tabs for `Code`, `Issues 30`, `Pull requests 6`, `Actions`, `Projects 1`, `Security`, and `Insights`. The `Code` tab is selected, showing a list of files and folders. The files list includes `app`, `db_init`, `doc`, `hooks`, `jsreport-home`, `traefik`, and `.env`. The `About` section on the right provides information about the application, including a `Readme` link. The `Releases` and `Packages` sections indicate that no releases or packages have been published. The Windows taskbar at the bottom shows various application icons and the system clock displaying `07:31 17.03.2021`.

GitHub - micado-eu/migrant_application

https://github.com/micado-eu/migrant_application

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micado-eu / migrant_application

Notifications Star 0 Fork 2

Code Issues 30 Pull requests 6 Actions Projects 1 Security Insights

master 7 branches 0 tags

Go to file Code

About

Application for the migrant

Readme

Releases

No releases published

Packages

No packages published

gioppoluca showing results on console ✓ 0e45244 11 hours ago 398 commits

app	showing results on console	11 hours ago
db_init	added task, start integration with identity (needed to have an identi...	13 months ago
doc	testing draw.io inclusion	12 months ago
hooks	fix build date	2 months ago
jsreport-home	Fixed mic toggle, added readalong example under /decision, made exa...	12 months ago
traefik	added https on balancer	14 months ago
.env	added task, start integration with identity (needed to have an identi...	13 months ago

07:31 17.03.2021

6. MICADO Contacts & Support

- Project in General (HCU etc)
- Technical Development (CSI etc)
- Migration Research (CPS etc)
- Funding opportunities

