



6<sup>th</sup> edition — Porto

Participants Guidebook

# Welcome to Hackacity 2023!

Hello, you.

**First of all, welcome to Hackacity 2023!**

Hackacity is a one-of-a-kind hackathon that explores the potential of city data to develop solutions that will impact the community. There were already 5 previous editions in Porto, the last one, last year, 2022.

The event is almost here so it's time to get you ready!

**We compiled all the relevant information in this guidebook. Read it carefully and, in case you have any questions, write us at [hi@hackacity.eu](mailto:hi@hackacity.eu)**

The Hackacity Team

# This edition in numbers

34 Teams

151 Participants

13 Mentors

6 Jury members

# Hackacity Rules

Here are some major rules to make this event an unforgettable experience. **You can check all the others [on our Rulebook](#).**

- **The event starts at 08h30, all the teams should arrive at the venue before 08h15.** Any exception to this rule should be communicated and approved by the organizing team before the event.
- Hackacity was thought and planned as an immersive experience. **All the participants should remain at the venue during the event.** The non-compliance with this rule could result in the team disqualification. Any particular case should be communicated and approved by the organizing team before or during the event.
- All the participants must bring their own laptop or other necessary equipment.
- **If you have any severe food restrictions, you must tell us by email before the November 21.**
- Last but not least, let's have lots of fun and be kind and respectful to each other.

# Agenda Breakdown 1/2

November 24, 2023

## **8:00 Arrival & Check-in**

## **8:30 Opening Session**

## **8:50 Challenge Announcement & Tips**

The access to data will be made available during this session. You'll also get some tips on how to approach this challenge.

## **9:00 Ready, Data, Go!**

Time to start working. The mentors will be present during the morning in case you need to make some questions.

## **12:30 Lunch**

The lunch will be self-service.

## **16:30 Finalists Selection**

The intermediate jury (mentors) will evaluate each solution to select the 10 finalists.

The logo for 'Hack a City' is displayed on a white banner. It features the words 'Hack a' in green and 'City' in blue, with a stylized blue arrow pointing to the right.A large banner for 'Hack a City' is visible in the background. It has a green and white checkered pattern. The words 'Hack a' are in green and 'CITY' is in large, bold, blue letters.

# Agenda Breakdown 2/2

November 24, 2023

## **18:00 Deliverables Submission**

The deliverables must be sent to the Hackacity team. It's time to close the PC and take a break!

## **18:15 Final Presentations**

Each finalist team will be called to the stage and have 5 minutes to present and 4 minutes to Q&A.

## **20:05 Jury Deliberation & Networking**

While the jury deliberates, it's time to relax, check the coffee-station and do some network.

## **20:30 Winners Announcement & Closing**

Drums will roll and we will announce the winners of Hackacity 2023!

## **20:50 Cocktail**

Join us for the final cocktail with the organisers, mentors, jury and participants.



# Location: Museu do Carro Elétrico

Hackacity 2023 will take place at Museu do Carro Elétrico

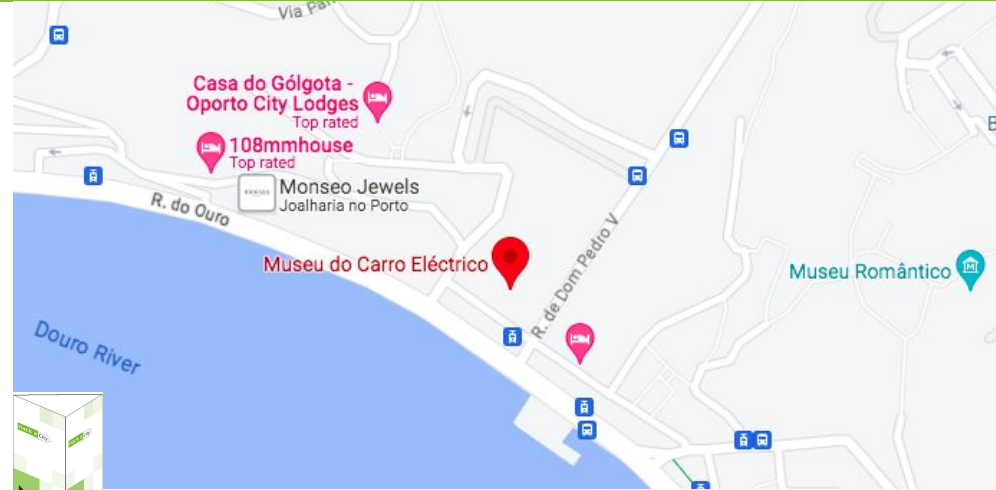
[Museu do Carro Elétrico](#)

## Recommended routes:

**Bus:** 403; 500; 900

**Train:** L. Marco; L. Minho

**Metro:** A; D; E



Once you're in the museum, you can head to the Check-in in the entrance and then go up to the 1st floor.

# Official communication tool

All the official communications in the days before and during the event will be made on **Hackacity's Slack**. We invite you to join as soon as possible so you don't miss a thing.

Feel free to use Slack as the communication tool with your team, mentors or the organization team and to share files during the event.

These are the official channels handled by the event organization:

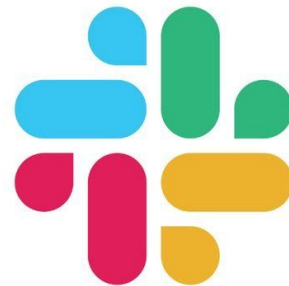
**#announcements** - Keep an eye for the announcements during the event.

**#find-a-team** - If you applied individually, or with a team of under 3 members, use this channel to find some cool teammates

**#hackacity-global** - On this channel, you can find all participants from the 2022 and 2023 edition of Hackacity! Perfect to ask for some tips or network.

**#random** - This is the place for fun, networking, and all sorts of random things.

We invite you to join this Slack **before November 21** and download the app to the device you'll bring to the event.



Join Slack



# Warm-up Event

**You'll have the opportunity to ask questions during the Warm-up Event, an online session on November 21, from 18:15 to 19h30.**

In this session the topic and technical support will be announced, so even though it isn't mandatory, at least one person per team should go.

A recording will be made available after the session and the link shared on Slack (#announcements).



Mafalda Machado - Host

João Bastos - Moderator

Paulo Calçada - Associação Porto Digital

[Access AMA Session](#)



# Deliverables

- Your team must deliver **the presentation and the produced code by 18:00.**
  - Presentations should be in .pptx or PDF format.
  - **Produced code/jupyter notebooks** should be sent in a .ZIP folder.
  - **Deliverables will be uploaded to a One Drive. The link will be provided once the event starts.**
  - Make sure your team send the deliverables on time. Any delay could result in disqualification.
- To be eligible for the Data Quality Award, participants must add an additional slide to their presentation to explicitly address its relevance to the evaluation criteria, namely the relevant external resources and feedback on data improvements.

# Evaluation Process

- Only the best 10 teams will have the opportunity to present their work on the stage.
- The pre-selection process will be done by the intermediate jury.
- The pre-selection will occur between 16:30 and 18:00.
- The teams will be evaluated through a short pitch and a Q&A. The duration of this pitch will be announced on the Opening Session.
- The finalists will have 5 minutes to present and 4 minutes to Q&A.
- The evaluation criteria and jury members will be announced soon, before the event starts.



# Intermediate evaluation

Some considerations regarding the pre-selection process:

- Starts at 16:30 and lasts about 1 hour and 30 minutes;
- Will be done in 2 threads;
- Mentors can not evaluate the teams they have mentored;
- The mentors will evaluate the teams 3 minutes pitch according to a predefined criteria (see the following slides)
- APD mentors will have priority in asking the question

All the criteria is rated from 0 to 3 (where 0 is the lowest point on the scale, and 3 is the highest point on the scale).

The **5 teams** with the highest score from each pre-evaluation thread will be selected to the 10 finalists.

The score **will be a hard criterion** for selecting the teams.



# Intermediate evaluation criteria

## Technical and Product Evaluation Criteria (*Mentors*)

%

- The team proposes an intuitive tool that is realistically implementable 30%
- The solution is innovative 20%
- The team uses adequate predictive modeling for the problem 10%
- The solution is technically sounds 10%

## Domain Evaluation Criteria (*APD Mentors*)

%

- The solution is applicable in the context of the city of Porto and matches the stakeholders' needs 20%
- The conclusions and data presented are reliable 10%

# Data Quality Award - evaluation criteria

## Data Quality award criteria

%

- The team proposed relevant external (not provided by APD) resources (data, APIs, etc.) 50%
- The team provided good feedback in terms of improvements to the data provided by the city 50%

**Note:** This evaluation will be made by the APD mentors.

# Final presentation evaluation

10 selected teams will present their work in front of the jury panel.  
The presentation will take a maximum of **5 minutes** and there will be **4 minutes for questions from the jury.**

**Please try to keep the questions as short and as straight to the point as possible, as we will be on a tight schedule.**

We prepared the evaluation criteria based on the goals of the event. Each criterion can be scored from 0 (lowest) to 3 (highest). In case of the scores of the top teams are close, jury members should discuss the overall team performance and come to a conclusion on how the first, second and third prize will be awarded.

**The jury will have 15 minutes to meet.**



# Final presentation evaluation

## Final Evaluation Criteria

%

- The team proposes an intuitive tool that matches the stakeholders' needs 40%
- The solution is innovative 20%
- The solution is applicable in the context of the city of Porto 20%
- The team uses adequate predictive modeling for the problem 10%
- Quality of presentation 10%



# Hack some Prizes

These are the prizes\* for the top 3 teams, plus an extra recognition.

The **Data Quality Award** is a recognition for the team contributing the most to city data improvement. This is an extra award, accumulating with any other prize.

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**First Place**

3.000 Euros

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**Second Place**

2.000 Euros

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**Third Place**

1.000 Euros

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**Data Quality Award**

1.000 Euros

\* All prizes are awarded in gift cards (Amazon ES, Cartão Dá or FNAC)

# Mentoring Format

- During the event, **your team will have access of 2 mentors.**
- Your team will be able to reach them directly in-person or via Slack.
- The mentoring session should be on the team's table.
- The mentors will also act as intermediate jury. However, mentors can not evaluate their own teams.
- Mentors are one of the key roles on this kind of events. **Don't underestimate the power of a good discussion and don't hesitate to approach them or ask for their help.** But, do not forget, they are not participants, so they will not/should not give you the direct answer!

# Meet the mentors



**Cláudio Sá**  
Principal AI  
Solution  
Consultant  
at Deeper  
Insights



**Diego Esteves**  
Head of Data  
Science  
at OLX Group



**Evgheni  
Polisciuc**  
Guest Professor  
at Universidade  
de Coimbra



**Fábio Fernandes**  
Data Science  
Manager  
at Metyis



**João Afonso  
Pereira**  
Lead Machine  
Learning  
Engineer  
at Enlitia



**Ricardo Vitorino**  
Head of  
Technical  
Communication  
at Ubiwhere



**Rui Ramos**  
Advanced Data  
Solutions  
Manager  
at Super Bock  
Group



**Lara Nunes**  
Data Scientist /  
Analyst  
at Capgemini  
Engineering



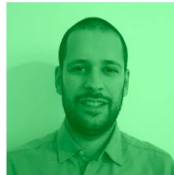
**Nélida Branco**  
Lead Data  
Scientist at  
Fidelidade



**Pedro Chaves**  
Director of Data  
Science  
at Select Data



**Raquel Carvalho**  
Director,  
Partner  
Development  
at NielsenIQ



**Tiago Otto  
Rodrigues**  
Data Science  
Manager at  
Farfetch



**Vitória  
Albuquerque**  
Researcher /  
Data Scientist  
at MagIC

# Meet the APD mentors



**João Bastos**

Head of  
Systems  
Architecture &  
Data



**Henish Balu**

Data Analyst



**Miguel Almeida**

Data Scientist

# Meet the juri



**Ana Leite**

Head of Data  
Protection  
Department @  
Câmara  
Municipal do  
Porto



**Bruno Eugénio**

Head of  
Mobility  
Management @  
Câmara  
Municipal do  
Porto



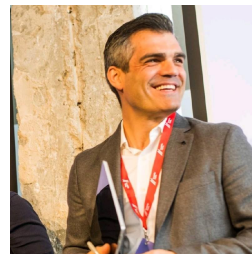
**Daniel Freitas**

Head of Carbon  
Neutrality @  
Porto Ambiente



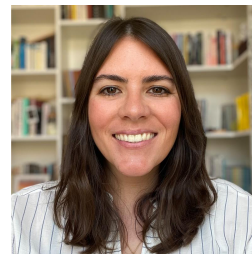
**Nelson Barros**

Associate  
Professor with  
habilitation  
at Fernando  
Pessoa



**Paulo Calçada**

CEO and Board  
Member @ Porto  
Digital



**Rita Ralha**

Innovation  
Manager @  
Grupo Brisa

# Cool Companies

These are some of the companies that allowed their collaborators to participate in Hackacity during a work day:



# Community Partners

These technical communities helped us communicate and promote Hackacity.  
Feel free to reach them if you feel like joining a data science community.



# Contact the Hackacity Team

If you need to reach us, please write us at [hi@hackacity.eu](mailto:hi@hackacity.eu) or send a private message on Hackacity's Slack.



# Let's do this! Good luck!

**Hack a City**  
6<sup>th</sup> edition — Porto

COORDINATED BY



AN INITIATIVE



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STRATEGIC PARTNER



PARTNERS

