

# Hungry EcoCities S+T+ARTS Residencies

## Deliverable 3.1 – Call Announcement and Guide for Applicants

Version 1.0

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## History of changes

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27.02.2023	1.0	FundingBox	Draft for review
27.02.2023	1.0	KU Leuven	Review
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## 1. Abstract

This deliverable includes the package of documents for the **First Hungry EcoCities Call – the Call for Artists** and it is composed of the open call announcement, the Guide for Applicants (GfA), the Frequently Asked Questions (FAQ) and the Application form.

This deliverable contains guidance documents that are targeting the potential applicants, individual artists, to participate and join the S+T+ARTS residency under Hungry EcoCities, known as the **Humanizing Technology Experiments**. The applicants interested in the first open call are expected to apply through the dedicated open call platform at <https://hungry-ecocities-artists.fundingbox.com/> between **1 March 2023 and 15 May 2023**.

The deliverable D3.1 including the package of documentation for the first open call in Hungry EcoCities is part of WP3, Task 3.1 Preparation of open calls, where FundingBox is the work package leader and partners from BUoT, In4ART, SOS, CRA and NTWK have brought their contributions to defining the technical requirements and to ensuring the inclusiveness and coherency of the application process within the documentation. This deliverable related to T3.1 is the first step towards accomplishing the objective of launching and managing the first of the two open calls estimated in the Hungry EcoCities project, calls targeting to reach up to 300 Artists, select 20 S+T+ARTS residencies and identify 50 alternative AI methods/scenarios from 50+ artists in the first open call.

Next steps of the application and selection process as detailed in the Guide for Applicants, part of this deliverable, will make the object of Deliverable 3.3, after the Open Call is concluded.

The Call Announcement included in this deliverable has been posted online as well on the Participant Portal at:

<https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/competitive-calls>

## 2. Call announcement

### Announcement of an open call for recipients of financial support

Call title:	Hungry EcoCities Call for Artists
Full name of the EU funded project:	AI enabled artistic solutions for sustainable food systems
Project acronym:	Hungry EcoCities
Grant agreement number:	101069990
Call publication date:	01/03/2023 09:00 (Brussels Time)
Call deadline:	15/05/2023 17:00 (Brussels Time)
Expected duration of participation:	9 months
Total EU funding available:	Total planned budget for the call: 400 000 EUR (Hungry EcoCities Call for Artists). The maximum amount of financial support for each third party - up to 40 000 EUR.
Submission & evaluation process:	<p>The applicants can submit a proposal through the following website: <a href="https://hungry-ecocities-artists.fundingbox.com/">https://hungry-ecocities-artists.fundingbox.com/</a></p> <p>The selection of the open call proposals will be carried out in a three-step process. Step one will check the proposals against eligibility and admissibility criteria. Step two will involve independent external and internal evaluation to assess the proposal according to the criteria. Step three will involve the Hungry EcoCities consortium in a Consensus Meeting and a Jury Day. For further information see the Guide of Applicants.</p>
Further information:	<p>For further information about the Hungry EcoCities project, please visit the following website: <a href="https://starts.eu/what-we-do/residences/hungry-ecocities/">https://starts.eu/what-we-do/residences/hungry-ecocities/</a></p> <p>Email address for further information: <a href="mailto:hungryecocities@fundingbox.com">hungryecocities@fundingbox.com</a></p>
Task description:	<p>The HungryEcoCities project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement 101069990.</p> <p>In Hungry EcoCities, studios, universities, growers, and agricultural specialists team up with artists and creative thinkers to come up with new ideas for the future food system. Hungry EcoCities will host 20 S+T+ARTS residencies and will be working towards defining,</p>

	<p>designing, and developing AI-enabled responsible, art-driven solutions for the end-users in the agri-food industries.</p> <p>For this first open call, we are looking to select up to 10 artists that are interested in exploring digital questions utilizing a mix of technology and art and will work on artistic agri-food AI usability explorations. The selected artists will receive up to 40 000 EUR as a lump sum to cover the costs of the 9-months residency where they will explore and prototype AI applications in agri-food sector through artistic means.</p> <p>A fitting artist for the 1st Open Call in Hungry EcoCities is someone who is interested in exploring digital questions utilizing a mix of technology and art. The artist has skills as both a creative thinker/maker and has technical knowledge/expertise. The artist will be working with a mix of technology and will explore art-driven innovations in agri-food sector by utilizing the Hungry EcoCities toolbox (technologies enabled by the project consortium). Previous experience with art-tech experimentation projects will be valued but does not represent a condition for participation.</p>
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### 3. Guide for Applicants (GfA) - Call for Artists

## Guide for Applicants (GfA) Hungry EcoCities First Open Call

# Call for Artists

Application submission starts on: 1 March 2023 09:00 CET

Submission deadline is: 15 May 2023 17:00 CEST

PUBLIC

#### History of changes

Date	Version	Author	Comments/Changes
19.01.2023	1.1	FundingBox	All Sections
10.02.2023	1.2	All partners	All Sections
14.02.2023	1.3	Project officer	All Sections
22.02.2023	1.4	BUOT, In4Art, FBA	All Sections
24.02.2023	1.5	Project officer	All Sections
28.02.2023	1.6	In4Art, FBA	All Sections



## Must Read Brief

Applicants to the First Open Call of **Hungry EcoCities, Call for Artists**, are required to go through all the call documentation in order to get a full understanding of the call and the application process.

This is a call for individual artists, open between **1 March 2023 and 15 May 2023**, launched by the project **Hungry EcoCities**, supported by Horizon Europe through **S+T+ARTS**. **This Call for Artists** will provide funding for **10 S+T+ARTS residencies**, called **Humanizing Technology Experiments**, which will focus on the role that digital technologies can play in growing healthy, sustainable food.

- Maximum funding per artist: up to **40 000 EUR**
- Duration of the Humanizing Technology Experiments residency: **9 months**
- Number of selected applicants: up to **10 artists**

Full details on the eligibility of applicants, project scope and objectives, application and evaluation processes, application form requirements and where to apply can be found in the Guide for Applicants (this document) and the [Experiments Directions Booklet](#) (available on [the application microsite](#)).

Other documents that are important to understand the objectives and requirements of this open call:

- [Frequently Asked Questions](#) document
- [Application Form template](#)

In case you still have doubts or questions after going through the available resources, feel free to reach out by email at [hungryecocities@fundingbox.com](mailto:hungryecocities@fundingbox.com) or write to us through the [Hungry EcoCities community](#).

Good luck!

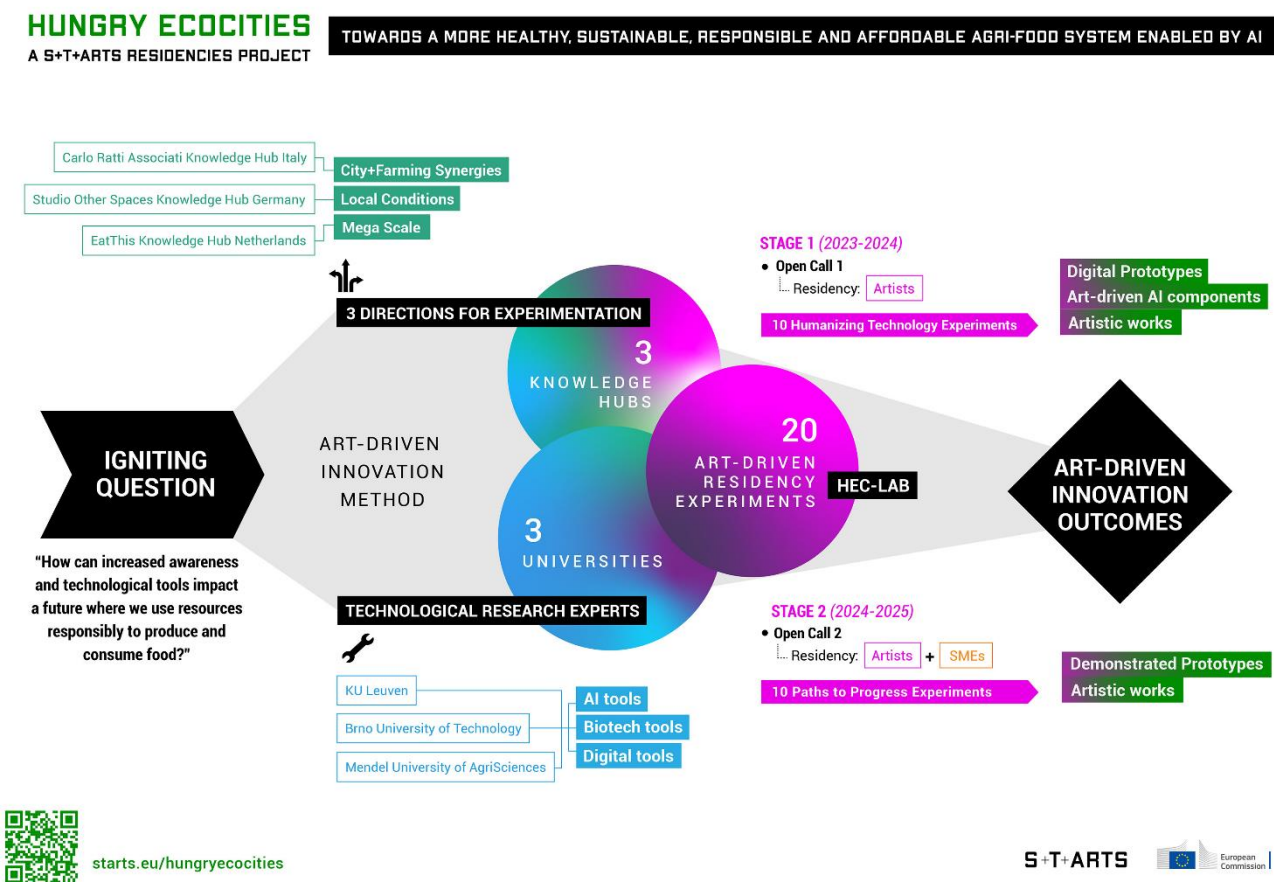
## Basic Info about Hungry EcoCities

**Hungry EcoCities** aims at exploring one of the most pressing challenges of our times: **the need for a more healthy, sustainable, responsible and affordable agri-food system for all.** This topic shall be addressed by artists through digital enabled proposals, with a particular focus on AI.

Whatever way we look at food and all of its elements, the coherent fact is that we must use up less resources to become truly sustainable. In this project, we aim to explore the igniting question: **How can increased awareness and technological tools impact a future where we use resources responsibly to produce and consume food?** This question is to be explored in three directions for experimentation, which you will find in the [Experiments Directions Booklet](#).

**This first open call (Call for Artists: Humanizing Technology Experiments)** will select **up to 10 artists**. Artists are encouraged to submit project proposals which respond to one of the directions of experimentation as defined in the Directions Booklet, thereby exploring and prototyping AI applications for the agri-food sector through artistic means.

The graphic below illustrates the Hungry EcoCities scope from the igniting question to the expected outcomes.



**Hungry EcoCities** has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement 101069990. It is part of the S+T+ARTS programme and consists of [8 partners across 6 EU countries](#).

[The project consortium](#) is coordinated by Brno University of Technology (CZ) and includes KU Leuven (BE), CRA – Carlo Ratti Associati (IT), Studio Other Spaces (DE), In4Art (NL), Mendel University (CZ), NethWork (NL), FundingBox Accelerator (PL) and is supported by Gluon (BE) and STATE Studio (DE).

## What do we offer?

**Under the 1st Open Call (Call for Artists) Hungry EcoCities** will select **up to 10 applications** that will take part in a **9-month support programme** where they will be working towards defining, experimenting, and prototyping AI enabled responsible, art-driven solutions for the future food system.

**Hungry EcoCities** beneficiaries will receive:

- Up to **40 000 EUR** as a lump sum per Artist
- **Guidance and support** by their host creative studios from the consortium (see section 3.3 for a brief outline of the direction and the Directions Booklet for a full brief):
  - **Studio Other Spaces GMBH (SOS)**, with **Sebastian Behmann and Olafur Eliasson**, for projects in the direction: Local Conditions.
  - Controlled Environment Agriculture network organization **EatThis** (Stichting Network/NTWK), with **Stephan Petermann, Aart van den Bos and Rem Koolhaas**, for projects in the direction: Mega Scale.
  - **Carlo Ratti Associati S.R.L.(CRA)**, with **Monika Löve and Daniele Belleri** for projects in the direction: City+Farming Synergies.
- **Mentorship** in the following areas of the Humanizing Technology Experiment:
  - Technical mentor assigned from (at least) one of the partner universities: AI and digital tech researchers at **KU Leuven institute Leuven.AI (KUL)** and **Brno University of Technology (BUOT)**, along with AgriTech researchers at **Mendel University in Brno (MNDLU)**
  - **Art-driven innovation mentor** by the Institute for art-driven innovation **In4Art BV** and **Gluon Centre for Art Research and Education (GLUON)**.
- **Access to the Digital Toolbox**, provided by the partner universities and consisting of available knowledge, programs, solutions and equipment to support the development:



- **AI tools** including: explainable AI, frameworks to assess the Sociality of AI, algorithmic driven supply chains models, advanced sensing and data analytics (including satellite data processing).
- **Biotech tools** including: “green” molecular biotechnology, algae and plant cultivation, plant acoustics and spectra, UV analytics.
- **Digital tools** including: IoT enabled systems and agents, virtual reality, autonomous robotic systems.

For the execution of the experiments, the applicants will choose **at least one** of the technologies available in the Hungry EcoCities **Digital Toolbox** (see above).

The Artists selected in the first Hungry EcoCities Open Call will enter a 9-months **S+T+ARTS** residency, called **Humanizing Technology Experiment (hereinafter Experiment)**, which will be divided into two stages (see [FAQ](#) document for details on the residency):

- **Stage 1 - Technology exploration and concept generation:** For the first 3 months of the residency the assigned mentors will assist you in elaborating the main concept and establish a framework of the Experiment.
- **Stage 2 – Prototyping: Experiment & Demonstrate.** For the following 6 months, you will receive the necessary support from all mentors to focus on the execution of the prototype / demonstrator.

The total budget available for up to 10 beneficiaries in the **First Hungry EcoCities Call – Call for Artists is 400 000 Euro.**

Applicants can submit a proposal through the following website: <https://hungry-ecocities-artists.fundingbox.com/>.

The call is open from the **1<sup>st</sup> of March 2023 at 09:00 (Brussels time)** to the **15<sup>th</sup> of May 2023 at 17:00 (Brussels time)**.

## Admissibility and Eligibility Criteria

We will check the admissibility and eligibility of all proposals submitted before the deadline via our [online application form](#). All the admissibility and eligibility criteria are listed in this Section of this Guide for Applicants. The projects that do not comply with those criteria will be excluded and marked as ineligible. We will check the admissibility and eligibility criteria based on the information provided in your application during the whole evaluation process.

### Who are we looking for?

**The Humanizing Technology Experiment (HTE)** has to be proposed by **one Natural Person** (running a business or not) - **acting as an Artist**.

**S + T + ARTS**

SCIENCE + TECHNOLOGY + ARTS



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An Artist refers to:

- person or entity, registered under [NACE Code '9003 Artistic creation'](#), or
- a self-employed individual (freelancer) that undertakes artistic activities as a profession/job occupation, such as creative technologists, media artists, creative coders, artistic front & back-end designers & hackers, digital artists, etc.

The artist must have produced enough artworks to assess their artistic quality and experience. The Artist must share evidence for each artwork reference as part of their portfolio. Previous experience with art-tech experimentation projects will be valued but does not represent a condition for participation.

The natural persons who act as Artists have to be citizens or permanent residents in any of the eligible countries listed below<sup>1</sup>:

- The Member States of the European Union<sup>2</sup> and its Overseas Countries and Territories (OCT)<sup>3</sup> or
- Associated Countries to Horizon Europe<sup>4</sup>.

The **Hungry EcoCities** consortium partners or their affiliates or employees or permanent collaborators are not eligible for funding within this open call.

### Ideal Project Description

A fitting artist for the **First Open Call in Hungry EcoCities** is interested in exploring **digital questions utilizing a mix of technology and art**. The artist has both **artistic skills and technical knowledge/expertise**. The artist will explore art-driven innovation opportunities for the agri-food sector by utilizing parts of the **Hungry EcoCities Digital Toolbox** (more details on toolbox in section 2 “What do we offer” above). Artists are expected to have proven experience working with technologies (with a focus on AI/digital technologies) and integrating them into their artistic practice.

Expected outcomes of the residencies are digital prototypes, art-driven AI components and artistic works. The prototypes and components are expected to reach the level of development which allows for real-world demonstration and testing. This corresponds with Technology Readiness Level 5 (also known as TRL 5, see definition and stages of TRL in [FAQ](#)). The artistic

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<sup>1</sup> The applicants who are subject to EU restrictive measures under Article 29 of the Treaty on the European Union (TEU) and Article 215 of the Treaty on the Functioning of the EU (TFEU) are not eligible to participate in this open call. Please note that the EU Official Journal contains the official list and, in case of conflict, its content prevails over that of the EU Sanctions Map.

<sup>2</sup> [https://european-union.europa.eu/principles-countries-history/country-profiles\\_en](https://european-union.europa.eu/principles-countries-history/country-profiles_en)

<sup>3</sup> According to the Horizon Europe Programme Guide, the OCTs (and their linked Member States) are: Aruba (NL), Bonaire (NL), Curaçao (NL), French Polynesia (FR), French Southern and Antarctic Territories (FR), Greenland (DK), New Caledonia (FR), Saba (NL), Saint Barthélemy (FR), Sint Eustatius (NL), Sint Maarten (NL), St. Pierre and Miquelon (FR), Wallis and Futuna Islands (FR).

<sup>4</sup> **AC as of 28.02.2023:** Albania, Armenia, Bosnia and Herzegovina, Faroe Islands, Georgia, Iceland, Israel, Kosovo, Moldova, Montenegro, North Macedonia, Norway, Serbia, Türkiye, Tunisia, Ukraine, for the most up-to-date list please first part of this [document](#).

work(s) are expected to reach the level of readiness to showcase in an exhibition setting. Although no exhibition is connected to the residency project, the partners will pursue possibilities to exhibit the outcomes.

Ideal projects are proposed by artists who have explored the igniting question and the directions presented by the studios and have been able to respond to one of the [directions](#) with a project proposal that demonstrates artistic qualities as well as responsible innovation potential.

With **artistic qualities** we mean: the core idea the artist proposes is based on a deep understanding of the topic and demonstrates a surprising approach of the topic. With **responsible innovation potential** we mean: the proposal is ambitious and experimental, yet realistic to prototype within the time and budget scope of the project and shows potential for implementation and/or diffusion within the food domain after project end.

### What types of activities can be funded?

The activities that qualify for financial support are **art-driven experiments including development and/or use of digital technologies**, in particular **digital technology design, deployment and exploration** using artistic practices to enhance their usability and uptake.

The activities proposed by the artists in the first call shall address one of [three directions for experimentation](#) defined by the host studios:

- # **Mega Scale** – *Where do we grow the additional food we need with respect for nature, humans, and culture? What would it mean if a city is to sustain itself? Would it require a giga factory for food production? How will such an integrated system look like? What will it grow? How could technological scaling be combined with alternative growing techniques? Where should we grow in a warming world?*
- # **Local Conditions** - *How will local solutions shape what we grow, what we eat, when and with whom we eat? How will we interact with the world, of what we eat and why, and of how food systems and cultures are entangled with local and global economies, with knowledge systems and community living, with histories and traditions, and with education?*
- # **City+Farming Synergies** - *How can we use farming to accelerate the convergence between living and technological systems? Can farming contribute to territorial regeneration in urban and peri-urban areas? Can we integrate farming into urban architecture? How can we enhance both efficiency and social relations in food production? Can we bring new farming technologies to the street market or in the supermarket?*

What is an **art-tech experiment** project in this Open Call:

- a project aimed to develop a **demonstrable (digital) prototype**.



With **demonstrable** we mean: the outcome should be ready to demonstrate in its intended setting. With **(digital) prototype** we mean: the outcome should be functioning as intended, yet it does not have to be completely developed.

- which is based on responsible use of technology and experiments with at least one of the given **toolbox tech(s)**.
- responds to the **igniting question and one of the [three directions](#)** posed.
- has a strong ambition to challenge (parts of) the existing food value chain.

Another important aspect is that you make sure your proposal is **suitable to publish open source**. The outcome(s) of your project will be published open source at the end of the project period. This means that this should be embedded in your project approach. We jointly decide upon the license to publish it under when the project is underway.

### How to apply?

We know it. Applying to an open call takes time and dedication and we are grateful you take up the challenge of applying to the **Hungry EcoCities** open call. We are here to support and help you understand the process and the eligibility requirements you have to comply with.

- **Be on time and use our system:**  
Make sure you submit your proposal through the online form <https://hungry-ecocities-artists.fundingbox.com/> before the **deadline 15<sup>th</sup> of May 2023, 17:00 Brussels time** (admissibility criterion). If you submit the form correctly, the system will send you a confirmation of your submission. Get in touch with us if it is not the case. It is important for you to know that we will not be evaluating any proposal sent after the deadline and submitted outside the dedicated form. Interested applicants must meet the deadline.
- **English language:**  
Your proposal must be written in **English** in all mandatory parts in order to be eligible. Only parts written in English will be evaluated. If the mandatory parts of the proposal are in any other language, the entire proposal will be rejected (admissibility criterion).
- **Every question deserves your attention:**  
All mandatory sections of your proposal - generally marked with an asterisk - must be filled in (admissibility criterion). Make sure that the data provided is true and complete. This is crucial for us to properly assess your proposal. Conversely, any additional material that is not specifically requested in the online application form will not be considered for the evaluation.
- **Have a European dimension:**  
Your proposal should have a clear *European* dimension meaning all your actions, results and methodologies must be carried out according to European standards and overall, keeping in mind that they can be used in different member states across the

European Union once the project is finished. The proposal should be relatable to the Sustainable Development Goals (SDGs)<sup>5</sup> and the European Green Deal (EGD) goals<sup>6</sup>.

- **Be exhaustive:**  
Have you answered all the sections of the form? It won't be possible to add any information after the deadline. However, you will be able to modify the form as much as you like even *after* the proposal is submitted, **if it is done before the deadline**.
- **Multiple submission:**  
Though applicants can submit multiple applications, one Artist can receive the Hungry EcoCities grant only once. In the case that more than one proposal from the same applicant will be among the selected projects, only the one with most points will be funded. One applicant can submit one proposal addressing each of the different directions. This means; if you submit one, distinct, proposal for each of the directions, you can submit up to 3 proposals in total. You **cannot** submit the same proposal for different directions to spread chances. If you submit the same proposal for more than one direction, only the last one submitted will be evaluated.
- **Conflicts of interest:**  
We will take into consideration the existence of potential **conflict of interest** between you and one or more **Hungry EcoCities** Consortium partners. Indeed, consortium partners, their affiliated entities, employees and permanent collaborators cannot take part in the **Hungry EcoCities** programme as applicants or beneficiaries. All cases of potential conflict of interest will be assessed case by case.
- **Healthy finances and a clean sheet are a must:**  
We won't accept entities that are under liquidation or enterprises in difficulty according to the Commission Regulation No 651/2014, art. 2.18. Neither will we accept proposals from entities that are excluded from the possibility of obtaining EU funding under the provisions of both national and EU law, or by a decision of both national or EU authority; met national regulations regarding bankruptcy.
- **It is your proposal:**  
Your project should be based on your original work. If not, that's okay, just make sure your right to use the IPR is 100% certain. Going forward, any foreseen developments must be free from third-party rights and if not, these third-party rights must be clearly stated.
- **Acceptance of the open call rules:** to apply for this open call you have to accept its rules and regulations detailed in this Guide for Applicants.

**Hungry EcoCities** planned two online webinars (**on March 20th and April 20th**) about this open call to clear doubts and answer questions live. They will be announced at [the Hungry EcoCities Community Space](#) and on [the Open Call microsite](#), so sign up and stay up to date.

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<sup>5</sup> <https://sdgs.un.org/goals>

<sup>6</sup> [https://commission.europa.eu/strategy-and-policy/priorities-2019-2024/european-green-deal\\_en](https://commission.europa.eu/strategy-and-policy/priorities-2019-2024/european-green-deal_en)



## How will we evaluate your proposal?

Our evaluation process is transparent, fair and equal to all our participants. **Hungry EcoCitites** is committed to an inclusive selection process, with an explicit focus on increasing the ethnic, socio-economic, and gender diversity within the project.

### Admissibility and Eligibility Check

Once the open call is closed, we will check whether the proposal meets the admissibility and eligibility conditions set up in **Section 3**. We will do it on the basis of the statements included in your proposal. At this stage, the eligibility criteria are checked against a Declaration of Honour or self-declarations included in the application form. Later on, during the evaluation process, the above criteria will be verified during the whole evaluation process (including the final formal check). The projects that do not comply with these criteria will be rejected.

### IN/OUT Scope screening

The In/Out Scope Screening will be done by the Selection Committee, which means that each proposal will be reviewed by one partner from the following list of partners: BUOT, IN4ART, CRA, SOS, NTWK.

The overall summary/general objectives of all proposals included in the 'List of Eligible Applications' will be reviewed to evaluate the following items:

- **Scope.** The objectives of the proposal must fit within the scope of the project as described in this Guide for Applicants (GfA), Section 3.
- **European Dimension.** The project should have a European dimension as described in this Guide for Applicants (GfA), Section 3.4.

The **Selection Committee** will assess if your proposal complies with the aspects above on a YES/NO basis and will provide reasoning in the cases where no compliance evidence is found.

The Selection Committee will meet to review the partners assessment and validate the ones proposed, generating an 'In Scope List' and agree on the ones to be excluded.

Be aware that proposals that do not comply with any of the aspects described above will be rejected. The ones complying with all of them will move on to the experts' evaluation phase.

We will inform you about the results of the eligibility and admissibility check and the in/out scope screening.

### Internal/ External Evaluation

Each project that has reached this stage, will be evaluated by **2 external and independent evaluators and 1 internal evaluator** appointed according to the specific characteristics of the applicants from the pool of Experts.

These are the criteria they will consider in order to evaluate your proposal:

**S + T + ARTS**

SCIENCE + TECHNOLOGY + ARTS



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### EXCELLENCE:

- **Innovation potential:** quality and strength of the overall proposal, potential for links with concepts of innovation a/o sustainability: willingness to experiment and prototype in order to achieve innovation spillovers as project outcomes.
- **Soundness of the approach:** the proposal demonstrates a clear and credible approach to deliver (a) demonstrable artistic prototype(s) by the end of the residency term.
- **Fit:** the proposal demonstrates a deep understanding of the direction it responds to and fits within the vision of the host studio.

### IMPACT:

- **Artistic potential:** the proposal demonstrates potential for artistic outcomes
- **Technology uptake:** the proposal demonstrates potential for technology usability, uptake, or alternative use scenario contributions.
- **Reuse:** the proposal demonstrates how the project may contribute to developing alternatives to current practices or systems within the food value chain.
- **Environmental and social impact:** the proposal demonstrates how the project may contribute towards sustainable developments, Green Deal ambitions or other European policies for innovation.

### IMPLEMENTATION:

- **CV/Artistic Portfolio:** the artist background must match in terms of needs, strategies and competences, proving the artists' ability to go from the conceptual to the development stage within a project.
- **Artistic quality:** based both on previous work by the artist and on the vision developed in the proposal regarding the use of digital technology in tackling/addressing the selected direction.
- **Art-technology congruence:** synergy between technological challenges and artistic thematic and methodological approaches.
- **Resources.** the proposal shows clear links with the needs and goals of a) the program, b) the partners and is realistic to achieve within the given time and budget constraints.

The evaluators will score each criterion on a scale from 0 to 5:

0 = The proposal fails to address the criterion, or it cannot be assessed due to missing or incomplete information.

1 = Poor – The criterion is inadequately addressed or there are serious inherent weaknesses.

2 = Fair – The proposal broadly addresses the criterion, but there are significant weaknesses.

3 = Good – The proposal addresses the criterion well but there are a certain number of shortcomings.

4 = Very good – There is a small number of shortcomings but overall, the proposal addresses the criterion very well.

5 = Excellent – The proposal successfully addresses all relevant aspects of the criterion with no or minor shortcomings.

Each evaluator will produce an Individual Evaluation Report. Your final score will be calculated as an average of the individual assessments provided by the Evaluators.

For each section (criterion), **the minimum threshold is 3** out of 5 points. **The total** maximum score will be 15 points, with a **minimum threshold of 10 points**.

In case of ties, the following criteria will be used to rank the projects, in order:

- The highest score in the Excellence Section.
- Other factors related to the objectives of the call to be determined by the Selection Committee.

After carrying out the Independent Individual Evaluation, experts who have evaluated the proposals will join a **Consensus Group**, to agree on a common position, including comments and scores for all evaluated proposals. The Consensus Group will specially discuss the cases where there is a significant divergence between the evaluators' scoring. In case no consensus is reached between the evaluators, an additional evaluator will be included to provide an extra evaluation. FBA will moderate it in order to make those evaluations as much aligned as possible.

As a result of the Independent Evaluation, a 'Ranking List' will be produced.

All proposals obtaining a score above the threshold will move on to the next stage. Do note that the evaluation phase takes time as it implies a more personal, qualitative and thus non-automated approach, so you probably won't hear back for a while.

### Consensus Meeting

Following the external/internal evaluation, a 'Selection Committee' formed by BUOT, IN4ART, CRA, SOS, NTKW and FBA, will decide by consensus (or minimum  $\frac{2}{3}$  majority votes) on the "List of Jury Day's participants" to move on to the next phase. The discussion will be based on the ranking obtained as a result of the External Evaluation. 2 External Evaluators from the External Evaluation phase will be invited to attend the Consensus Meeting but in an advisory capacity (with voice but without vote).

Bear in mind that even if it is normally the best-marked proposals that are selected for funding, the Selection Committee may have fair reasons for objecting to the selection of a specific candidate. These reasons can relate to:

- The alignment with the **Hungry EcoCities** goals and scope.
- The ability to achieve the strongest possible impact.
- Commercial competition.
- The existence of significant ethical concerns.
- The existence of a potential conflict of interest.

In case a top-ranked application is rejected, we will consider selecting the next best-ranked proposal. Although the **Hungry EcoCities** project aims to select a portfolio of proposals that will result in a balanced outcome among the different application



technologies/challenge/country, the final decision as to proposals approved will be made based on the quality and potential of the submitted applications.

Finally, the exact number of proposals approved will be decided based on the overall **quality** of the proposals. At this stage up to 20 Applicants will be selected and will pass to the Jury Day Phase.

### Jury Day

If your proposal has been selected following the Consensus Meeting, well done!

You will be invited to **an online Jury Day** during which you will have the opportunity to pitch your project in front of the **Hungry EcoCities Jury** composed of the Selection Committee and experts from KUL, MNDLU and GLUON.

After the Jury Day, the **Hungry EcoCities** Selection Committee and experts from KUL, MNDLU and GLUON will undertake the **final evaluation** taking into account the following awarding criteria:

- High potential impact your project's goals
- Vision and attitude of the Artist
- Level of illustration of the value of co-production
- Artistic context of your proposal
- Potential impact on the agriculture value chain.

The 'Selection Committee' will decide by consensus (or minimum  $\frac{2}{3}$  majority votes) on the 'List of Finalists' as well as the "Reserve List".

The exact number of proposals approved will be decided based on the overall **quality** of the proposals (up to 10 in this open call).

In case the number of proposals approved is lower than expected, 'Selection Committee' may decide either to select a lower number of beneficiaries, in this particular open call, or to extend the selection process by inviting applicants (over threshold) from the next places on the ranking list, obtained as result of the External/Internal Evaluation, and organize an 'additional online pitching session' i.e., a simplified version of a Jury Day.

After the Jury Day, we will communicate the results to the Applicants.

## What's next? Subgrant Agreement Preparation and Signature

You made it! You are part of the final 10 preselected candidates for the **Hungry EcoCities** open call.

Before you get started with your **Hungry EcoCities** residency project, you need to sign the SubGrant Agreement with the **Hungry EcoCities** Consortium (for details, please check our [Frequently Asked Questions](#) Document).

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In order to sign the SubGrant Agreement, you should provide documents regarding your formal status. The **Hungry EcoCities** Consortium will proceed to a **verification of these documents** to make sure you are eligible.

### Be extremely vigilant with respect to:

1. **The nature of the documents** we request.  
If the documents you provide us with do not prove your eligibility, the adventure will end here.
2. **The deadlines** that we will give you to hand us these documents. If you do not deliver the requested documents on time, without a clear and reasonable justification, we will have to exclude you from the further formal assessment. Another applicant from the Reserve list will then replace you.

## Our Support Programme and Payment Arrangements

Once your eligibility has been confirmed following the formal check and the SubGrant Agreement signed, you would be an official beneficiary of the **Hungry EcoCities** programme.

Selected beneficiaries will receive a fixed **lump sum** of **up to €40 000**. The lump sum is a simplified method of settling expenses in projects financed with Horizon Europe funds. It means that you are **not** required to present strictly defined accounting documents to prove the costs incurred (e.g., invoices). However, you are obliged to demonstrate that the implementation of the project is in line with the milestones set for it. The milestones (deliverables, Key Performance Indicators - KPIs and ethical recommendations) will be defined and calendarised in the 'Individual Mentoring Plan' elaborated at the beginning of the programme. In short, we will carefully assess your progress and the quality of your work during Interim Reviews, not your accountancy. Bear in mind that the lump sum does not release you from the obligation to collect documentation to confirm the costs under fiscal regulation.

The financial support in the different phases is made across the accomplishment of several milestones/KPIs/deliverables. Payments will be done in the form of lump-sum grant as follows:

- **Stage 1 Technology Exploration and Concept Generation**

The beneficiaries will receive 50% of the financial support upon **validation of the Individual Mentoring Plan**. This is planned for the first month of the residency.

- **Stage 2 Prototyping**

The beneficiaries will receive 50% of the financial support paid in 2 tranches:

1. 25% of the financial support upon approval of the Prototype 1<sup>st</sup> version, halfway the residency, and

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2. 25% of the financial support upon the validation and communication of the Prototype, at the end of the residency.

These 'Individual milestones' will be evaluated based on the quality and quantity metrics set up in the 'Individual Mentoring Plan'. The beneficiaries will deliver the Individual Mentoring Plan and the Mentoring Committee will assess it.

Completion of KPIs will be scored from 0 to 10. According with this final score:

- **Beneficiaries over threshold** (which is 7 points) will successfully receive the full payment agreed in the SGA.
- **Beneficiaries under threshold.** The beneficiaries which haven't reached the threshold will be proposed by the Mentoring Committee as candidates to leave the Program. And, if this decision is finally ratified by the 'Selection Committee', they will have to leave the Program and won't receive the payment corresponding to their dedication of internal resources.

Once the milestones and payments to each beneficiary are approved by the 'Selection Committee', according to the Milestone Review Process, the relevant tranche will be transferred to the beneficiary.

Lastly, for a more detailed payment schedule, you can read our [Frequently Asked Questions](#).

## Contact us!

### How can we help you?

If you still have any doubts regarding our Open Call process, feel free to get in touch with us:

- Ask your question in the Helpdesk space of **Hungry EcoCities** Community at <https://spaces.fundingbox.com/c/i4ms/categories/Hungry-EcoCities>
- Send us an email to the following address: [hungryecocities@fundingbox.com](mailto:hungryecocities@fundingbox.com)

If ever you face any technical issues or problems, make sure you include the following information in your message:

- Your username, telephone number and your email address.
- The details of the specific problem (error messages that appeared, bug descriptions such as a dropdown list that isn't working, etc.).
- Screenshots of the problem.

### Complaints

If, after receiving the results of one of the evaluation phases (when foreseen), you consider that a mistake has been made, you can send us your complaint in English by email to [hungryecocities@fundingbox.com](mailto:hungryecocities@fundingbox.com) including the following information:

- Your contact details (including email address).
- The subject of the complaint.
- Information and evidence regarding the alleged mistake.

### Important note regarding the timeline:

You have **3 calendar days** to submit your complaint starting from the day after the communication was sent. On our side, we will review them within no more than 7 calendar days from its reception. If we need more time to assess your complaint, we will inform you by

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email about the extension. We will not review anonymous complaints as well as complaints with incomplete information. Please take into account that the evaluation is run by experts in the technical and creative fields, and we do not interfere with their assessment, therefore we will not evaluate complaints related to the results of the evaluation other than related to the mistakes in the evaluation of the eligibility criteria.

## Last but not least - final provisions

Any matters not covered by this Guide will be governed by Polish law and rules related to the Horizon Europe programme and European Union grants regulations.

We do our best to keep all the applicant data confidential. However, to avoid any doubts, you are entirely responsible to indicate what information is confidential.

Your IPR will remain your property.

For the selected beneficiaries, the SubGrant Agreement will include the set of obligations towards the European Commission (for example: promoting the project and giving visibility to the EU funding, maintaining confidentiality, IPR, understanding potential controls by the EC/ECA, EPPO and OLAF).

The **Hungry EcoCities** Consortium might cancel the call at any time, change its provisions or extend it. In such a case we will inform all applicants about such change. Signature of the SubGrant Agreement is an initial condition to establish any obligations among applicants and any Consortium partners (with respect to the obligation of confidentiality of the application). You didn't find what you were looking for? You may want to check our [Frequently Asked Questions Section](#).

## Extra hints before you submit your proposal

A proposal takes time and effort, and we know it. Here a few crucial points you should read before hitting the "Submit" button to maximise your chances of success:

- Is your project in line with what **Hungry EcoCities** is looking for? Not 100% sure? You can consult this [section](#) as well as this [one](#).
- Did you present your project in a way that will convince evaluators? Go back to this [section](#) if you have any doubt.
- Is your project fulfilling all the admissibility and eligibility requirements described in the Guide for Applicants? Check again this [section](#).
- Are you able to cope with our signature agreement process and payment arrangements for the selected proposals? You may want to go over this [section](#).
- Do you need extra help? [Get in touch!](#)

**And as a bonus:** You can read our [R.E.C.I.P.E. for an outstanding European Funding Opportunity application](#) for additional advice .

Good luck!

## Hungry EcoCities Consortium



**STATE STUDIO**

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## 4. Experiments Directions Booklet

**HUNGARY ECOCITIES**  
A S+T+ARTS RESIDENCIES PROJECT

First Open Call  
01.03.2023 – 15.05.2023  
[starts.eu/hungryecities](https://starts.eu/hungryecities)

**3 DIRECTIONS BOOKLET**  
STUDIO VISIONS AND FIELDS OF INVESTIGATION

S+T+ARTS  
SCIENCE + TECHNOLOGY + ARTS

European Commission

**INTRODUCTION**

**THIS BOOKLET DESCRIBES THE VISIONS ON THE FUTURE OF FOOD AS DEVELOPED BY THE THREE RESIDENCY HOSTING PARTNERS, ALSO KNOWN AS HOSTING STUDIOS IN HUNGRY ECOCITIES, IN COLLABORATION WITH THE OTHER PROJECT PARTNERS.**

As an applicant, you are requested to **direct your proposal in response to one of the three directions**. It is not possible to direct one proposal to multiple visions. It is possible to develop distinct applications for different directions, thereby submitting more than one proposal to this call (with a maximum of one proposal per direction – hence, max. 3 separate applications).

Each direction has been broken down into **several fields of investigation**. You are requested to position your proposal within the scope of at least one of the fields of investigation which are part of the studio direction. Your proposal can fully focus on one of the fields, or it can touch upon parts of multiple fields of investigation, that is up to you.

By choosing one of the visions to base your project proposal upon, you automatically apply for one of the residency project positions with that particular **hosting studio**.

[starts.eu/hungryecocities](https://starts.eu/hungryecocities)

**THERE ARE THREE HOSTING STUDIOS IN HUNGRY ECOCITIES:**

**Studio  
Other  
Spaces**

BASED IN BERLIN



**Studio Other Spaces (SOS)** was founded by artist Olafur Eliasson and architect Sebastian Behmann in Berlin in 2014. Their shared interest in spatial experimentation led them to the holistic approach that defines Studio Other Spaces.

**CARLO  
RATTI  
ASSOCIATI®**

BASED IN TURIN



**CRA - Carlo Ratti Associati** is an international design and innovation office based between Turin and New York City. Founded by MIT professor Carlo Ratti, CRA explores the intersections between the natural and the artificial in the built environment, often tapping into digital technologies to develop projects on every scale of intervention. The office has a long history of putting forward experimental visions for the future of food systems.

**eat  
this.**

BASED IN THE NETHERLANDS



**EatThis** is an international network and movement bringing together over 40 companies from the food sector in a joint mission to realize a sustainable and healthy food system for all. EatThis has a double role in Hungry EcoCities, feeding the project from the industry as well as functioning as a studio headed by Stephan Petermann and Rem Koolhaas, founder of OMA. Rem and Stephan are involved in the project on a personal title.

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**HUNGRY ECOCITIES**  
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**LOCAL CONDITIONS**

by Studio Other Spaces

**FOOD IS CULTURAL**

Everyone has a right to food. But food is not only about mere subsistence. Food is culturally defined – what we produce and grow, how we grow it, what we eat, who we cook for and eat with, who we trade with, and what we throw away. Food is a phenomenon **shaped by the different cultures, climates, and geopolitical contexts** we live in. It is an expression of millennia of experimentation, innovation, and refinement.

**CHANGING FOOD SYSTEMS**

Since the 1950s, the landscapes of food production in the modern world have changed dramatically. The **industrialisation of agriculture and animal farming** has proliferated toxic pesticides, soil degradation, air and water pollution, and deforestation over many decades. It has been predicated on the relentless extraction of material resources, of human labour, and of non-human lives. Factory farming of livestock has accelerated the evolution of antibiotic resistance, and the ubiquity of cheap, ultra-processed foods has resulted in a surge of chronic illnesses in

humans. Industrialisation has meant that large populations in wealthy countries have become disconnected from farming processes in their day-to-day lives, while mass exploitation of low-income migrant workers has become a normalised convention of contemporary agricultural methods. It has also meant that large, often multinational corporations have, in many places, taken over where more sustainable family- and community-led farms once stood.

The regimes of extraction, and the subsequent maximizing of crop and livestock yields, are somewhat of a double-edged sword: over the last century, breakthroughs in synthetic fertilisers and advancements in global distribution networks have meant **continued improvement in nutrition and an increase in the average human standard of living in many parts of the world. But at what cost?** It is also true that the very systems that increase this food accessibility and quality of life continue to subjugate many vulnerable populations, to eliminate non-industrial ways of living, to decimate more-than-human habitats and biodiversity, and to short-circuit cycles of resource renewability.

Meanwhile, the industrialisation of food production since the last century has been built upon and continues to rely heavily on fossil fuels, as well as exploitation of the planet's ecosystems that favours economic efficiency over holistic approaches to agriculture and consumption. It is undeniable that, from a sustainability perspective, the world's dominant industrial food systems are drivers of climate breakdown and are fundamentally broken.

For Hungry EcoCities, Studio Other Spaces - supported by State Studio - are focusing on **making visible and communicating** the challenges surrounding various types of industrialised food production and the viable adaptations and alternatives that we want to see grow. SOS places particular emphasis on **vocational and civic education** as a means of understanding food heritages and of creating changes in food systems and cultures. Also of high priority in this project are the **modes of storytelling and examples of best practices** needed to shift habits and expectations around food consumption and enjoyment.

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**HUNGRY ECOCITIES**  
A S+T+ARTS RESIDENCIES PROJECT



## LOCAL CONDITIONS

by Studio Other Spaces

### LOCAL CONDITIONS, GLOBAL CONNECTIONS

Despite the numerous challenges posed by our broken food systems, there are as **many reasons to be optimistic**. Through Hungry EcoCities, we – initiators and project participants – have the capacity, and the privilege, to imagine our way into another mode of living, into an altogether different status quo. It starts with telling ourselves **a different story about how food can and should be produced and consumed, and by whom**. And we don't have to reinvent the wheel here: people all over the world – from indigenous societies to urban homesteaders – have long been doing the hard work of developing sustainable farming and permaculture techniques particular to their cultural and geographical contexts. In order to re-engage the larger publics in urban and urban-rural areas with agriculture, and in order to generate knowledge about contemporary food cultures and make it communicable, we must understand the local conditions of a particular area and its potential for the production, processing, and storage of food. Equally important to consider are the environmental limitations of a given location. **Many lessons are already available to us via the existing expertise of knowledgeable communities, while other lessons await our serious attention and care.**

We must shift our thinking from global, catch-all (non-)solutions to local, situated practices. We must radically rethink food production and scalability. The key relationships that define local food cultures are inevitably entangled with national and global food systems – from traditions and trading to lobbying, policy-making, and economic incentives, from energy distribution to the climatic conditions of specific geographies. While some of the insights and solutions that Studio Other Spaces hope to generate through Hungry EcoCities may have global applications, many best-practice cases and prototypes for innovation with regard to food will be different across cities with various geographies, climates, population densities, and cultural contexts, as well as with food systems defined by diverse food policies and political ideologies.

In light of its vast resources, the EU is positioned to lead projects that pioneer more sustainable and socially responsible food systems. **Through the Hungry EcoCities project, we hope to make a contribution not only to Germany and Europe, but also to the international community.** Our experiments and models will benefit greatly from the diverse knowledges of countries and communities around the globe, so we are

developing this project **in the spirit of sharing across borders and emphasising decolonial approaches.**

### FOOD AND NEW TECHNOLOGIES

The impact of digital technology on food cultures extends from personal habits to collective norms when it comes to consumption. At the consumer level, technology influences food trends, helps invent new tastes and recipes, analyses and delegates diets, and can assist in the planning and preparation of meals.

Today, **artificial intelligence (AI) is poised to radically transform not only our food cultures, but also our food systems.** AI, and the neural networks behind it, will likely alter how food is grown and processed in many countries, in addition to how societies think about and talk about food. Just as established technologies already do, AI will further inform what, when, and where we eat, what we buy, and how we cook. AI also has the potential to offer new insights into and tools for producing and processing nutritious food for our growing global population, which currently exceeds 8 billion people.

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**HUNGRY ECOCITIES**  
A S+T+ARTS RESIDENCIES PROJECT



## LOCAL CONDITIONS

by Studio Other Spaces

At larger scales, AI can be deployed in tandem with sustainability initiatives to help minimise food waste and increase food security in ecologically and socially responsible ways. Studies have shown promise that AI-powered optimisations may also be able to help minimise our dependence on fossil fuels, for example in the handling of food waste, and to increase local environmental health, and hence the well-being of the planet.

At Studio Other Spaces, we want to engage **projects in Hungry EcoCities that think critically about the potential of AI and take a holistic approach to assessing where AI can offer insights and solutions.** We are also interested in exploring how AI and underlying neural networks can incorporate traditional knowledges – ways of farming, cooking, and working with the land that certain (industrialised) communities have lost touch with, and to which other contemporary communities, often indigenous, are already deeply committed.

### STUDIO OTHER SPACES AND WORK CULTURE

**The work of Studio Other Spaces is collaborative at its core.**

Our research considers spatial, historical, ecological, social, cultural, and emotional aspects of a site and its users. A key part of our collaborative approach is our **focus on diversity and inclusion.** This entails actively encouraging diversity with regard to the selection of project partners, planning for the needs of diverse users and visitors, and representing diversity in project communications and presentation materials, with both images and texts.

Within HungryEcoCities, SOS encourages successful S+T+ARTS applicants to prioritise inclusive solutions in all decisions concerning the realisation of their project and to make each art-driven experiment accessible to the most diverse audience possible.

### PROJECTS FOR RADICAL CHANGE

Studio Other Spaces will focus on food cultures and investigate how they must reflect the needs of our bodies, of our communities, and of the planet. Cooking and sharing food is an activity that ties habitats, communities, and individuals closely together. **Reducing energy consumption in food production and fostering biodiversity are key goals for us throughout this project.**

We believe that conscious awareness of the role of food cultures for our diets, health, and relationships with the environment can lead to more sustainable and resilient practices for the production, distribution, and consumption of food. Our hope is that widespread awareness and collaborative momentum can catalyse novel solutions for feeding the growing global population while respecting planetary boundaries.

Today, lighthouse projects already exist in, for instance, regenerative agriculture and circular food systems. **How do we scale smaller, experimental projects of this kind that value regeneration, resilience, and fairness?** Studio Other Spaces wishes to support projects that contribute to solving this challenge. *Can learning about our food systems and telling new stories lead to innovation in, development of, and scaling up regenerative and integrative agricultural practices? Can it help reconnect people living in urban, peri-urban, and rural communities? Can it radically reimagine sustainable markets and modes of distribution of farm goods? To that end, through outreach and a different kind of storytelling about food systems, can agriculture become a vocational calling for the people who perhaps least expect it?*

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**S+T+ARTS**

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**LOCAL CONDITIONS** by Studio Other Spaces

**SUPPORTED FIELDS OF INVESTIGATION** ←

**1. Making food cultures explicit and communicable**

At Studio Other Spaces, we find it urgent to study and make visible local food cultures and their entanglement with global food systems in order to envisage new ways to grow, distribute, and consume sustainable and nourishing food at local and global scales. The Hungry EcoCities prototypes and projects that we will support will engage people in reflections on ecologically and socially responsible farming, on food systems and food security, and, ultimately, on food as it intersects with climate justice. Making existing food cultures and their networked roots perceivable, communicable, and known is a first step toward creating change in terms of both behaviour and policies.

**2. Incorporating sustainable food vocational and public education systems**


For projects in the Studio Other Spaces Knowledge Hub, it is absolutely critical to foster the incorporation of pedagogy around sustainable food cultures into both vocational and public education curricula and programming, with an emphasis on the technological and career opportunities possible within them. We will support projects that centre on education about the complexities of the intersecting fields of agriculture, health, food security, economics, and social and climate justice; projects that support alternatives to fossil fuel dependence in agriculture; projects that confront challenges of gender, race, and income inequality and how they modulate accessibility to and engagement in food systems; projects that explore, critique, and rethink how food travels from field to table, through our bodies and back into the world; projects that promote literacy for the different kinds of food processing, as well as for the ecological and health consequences of producing and consuming ultra-processed foods.

These educational goals are intended for primary, secondary, technical, and vocational schools, but can also be designed for workplaces, scientific and cultural institutions, and health and caregiving facilities. They can also be implemented and shared via the media and open online sources.

**3. Focusing on the aesthetic aspects and enjoyment of food**

At Studio Other Spaces, it is imperative that we take seriously the aesthetic aspects and enjoyment of food preparation and sharing. Aesthetics can unfold the potential for engaging large groups of people in defining new ways of purchasing, preparing, and taking pleasure in sustainable food. We are looking for projects that communicate the knowledge that is embedded in seasonal cooking; that communicate how to be creative about what to cook, for whom, and how; that meld the joys of making and sharing food with an awareness of the health of the planet and our local environments. We seek projects that dare to think of this fundamental sea change as an attainable, mainstream aspiration – one that can be implemented in schools, hospitals, public offices, and cultural institutions, as well as restaurants, private companies, and households.

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**Direction**

**CITY+FARMING SYNERGIES**

by Carlo Ratti Associati

Photo: CRA-Carlo Ratti Associati





**CITY+FARMING SYNERGIES**

by Carlo Ratti Associati

**FOOD & THE CITY:  
A DEMOGRAPHIC CHALLENGE**

If the UN's demographic forecasts hold true, an extra 2.5 billion individuals will join the global dinner table by 2050. Considering this trend, today's discourse on the future of food is often tied to how we can optimize or maximize food production. But the industry is hardly monolithic: within the European Union alone our food comes from a wide variety of geographical, environmental, and social circumstances. The paradigm of optimization might be well-suited to the relatively straightforward economics of farming in rural areas with low population density. However, it would showcase substantial shortcomings when applied to urban or peri-urban contexts, where many human variables get into the picture.

The evolution of farming techniques in the last few decades - often fueled by the advancement of digital technologies and the Internet of Things - means that the sheer quantity of food cultivated in cities will probably increase in the next few years. Yet, it would be misplaced to believe that cities could or should supplant the countryside

as humanity's main sites of food production. While rural areas might be ideal places to achieve exponential growth in yield rates, especially by leveraging Artificial Intelligence and other new tools, the roles of cities in future food scenarios will have to be multifaceted.

**BETWEEN EFFICIENCY AND SOCIAL RELATIONS:  
MAKING FOOD PRODUCTION AS ONE**

The connection between humanity and the food it cultivates is rich, and the city is where its many social, cultural, and relational implications take shape. Today, **we have the chance to bring food production itself into the urban core**. A more efficient, technologically-advanced urban and peri-urban agriculture can help feed the planet's growing population (much of whom will live in urban areas). On the other hand, urbanism cannot only be driven by efficiency. Even countries that had been focusing for years on maximizing output and productivity are now shifting their priorities toward a more balanced relationship between agriculture, society, and the environment. Cities should retain their role as the loci of

food-driven relationships that sustain local identities, improve community relations, and strengthen the ties between humans and plants. In the framework of the HEC-Hungry EcoCities project, we focus our research on innovative farming in urban and peri-urban areas - whether they occur in the open air or closed environments - because these are the places where we can both improve overall output and the social value of food production at the same time.

**CAN URBAN FARMING HELP TO BRIDGE THE CITY-NATURE DIVIDE?**

The rift between city and countryside has been widening in Europe for centuries. This dualism, which has contributed to the climate crisis, must be overcome. One way to do so is to **bring the natural environment back to the city through urban farming**. Our research will delve into several food production scenarios, touching upon ways in which new technologies, big data, local and international food cultures, urbanism, art and design can allow for stronger relations to be enhanced in cities across the European Union.

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**1. Innovating Architecture through the Incorporation of Urban Farming Elements and Digital Technology: Prototyping Facades of a "Farmscraper"**

In the 20th century, architects looked to the industrial world as a source of inspiration as they designed all sorts of non-industrial buildings: from houses to offices to hospitals and schools.

In the 21st century, how can we draw from advances in digital technologies and agriculture? We want to investigate how skyscrapers could evolve into farm-scrappers: urban towers that seamlessly integrate farming technologies into architecture. *What could a farmscraper be? How could the facades of such buildings invite food production? How could AI support in the mission to create them? What other benefits and opportunities could they entail - from improving air quality, to increasing urban biodiversity?*

**2. Leveraging Innovative Farming as an Urban Planning Tool to Bridge the City-Nature Divide and Fight Climate Change**

For centuries, farming has been pushed further and further out from the city walls until it became almost invisible to urban dwellers. In the early 20th century, planners imagined a "garden city" that would expand outwards and reincorporate nature into urban life. In reality, their dreams often gave way to a car-centric suburban sprawl that pushed cities and the countryside even further apart. Today, we should aspire to bring nature into the city with a focus on agriculture. *How can we include technologically-augmented farming in the urban planning toolbox? Can we bring nature back to the urban core, while at the same time*

*mending the damage inflicted by sprawl? How can large-scale farming be scaled down to fit within urban contexts, and how would that impact urban ecology - the entire ecosystem of the "more-than-human city?" Finally, how can we balance openness and transparency in urban farming with matters of health and hygiene? How would urban security issues change if tech-augmented food production, relocated to cities, could be "hacked?" This field of investigation aims to explore ways of technologically augmented farming in more-than-human cities.*

**3. Rethinking Food Retail and Food Supply Infrastructure - From Local Street Markets to Big Supermarket Outlets**

The local street market and the big supermarket might be seen as opposites - the former prioritizing community and the latter maximizing efficiency and scale. We envision a future in which urban farming technologies can both make the street market more efficient and the retail chain more relational, all while increasing people's awareness of and connection to their food sources. In this sense, *how can supermarkets be redesigned to facilitate greater engagement and new*

*relationships between food producers and consumers? What could be the meaning of food markets in future cities? Can street markets enable more people to access urban farming, strengthening a sense of domesticity while establishing a crowd-sourced, non-corporate way to grow food using contemporary techniques? Can AI align demand with supply to reduce energy and waste, and assist in the "traceability" of the food cycle?*







**HUNGRY ECOCITIES**  
A S+T+ARTS RESIDENCIES PROJECT



**MEGA SCALE**

by EatThis + Rem Koolhaas & Stephan Petermann

**One of the major complicating factors of the food system is that it isn't a system.** A system, textbook definition suggests, is a regularly interacting group of items forming a unified whole. In the case of the food system you can question whether 'a whole' exists, but it's blatantly clear that it is not unified. The immense layering of centuries of technical and cultural innovations and built-up practices of food production built around the globe would be more accurately depicted as an **entropic collage that miraculously manages to feed us at an unfathomable scale.**

Architects and planners have been notably absent from the functioning of 'the food system'. Only a handful of urban planners considered food production in their plans. From those who tried, even the 'famed' ones like Frank Lloyd Wright in *Broadacre City* (1932), Le Corbusier in *Le Village Radieux* (1930s) and even the popular but hardly realized *Garden Cities* (1898) by Ebenezer Howard, came out short. It was never 'our' terrain, there was no 'agency' for design.

Whether that was a good or a bad thing is one of the key challenges in this project. It needed a researcher, Carolyn Steel, in 2011 with her book *Hungry City*, to first put the role of food and the city on the public agenda. According to Steel the proposal for her book got rejected by publishers multiple times as they considered it a non-topic.

An explanation of this disinterest is the relative **spatial and cultural distance we built between food production and the city:** society considered food production as something that didn't require serious cultural attention, while it prioritized cheaper and easier access. How and where it was made or grown wasn't of great interest. This left production in the hands of a purely industrial rationale, a relentless yet arguably successful form of modernism, and transformed it into a black box not to be seen by society. The role of society was mainly the consumption of its output. Food marketeers were tasked to make up the space in between with faux-idyllic romanticism which were accepted against one's better judgement.

We want to explore these challenges in three fields of investigation; trying to find an interface where 'our' intelligence matters and can provoke new considerations and thoughts.

At a **planetary level**, we are interested in the logic of production site locations (*Where to grow?*), including how the **urban level** seeks to address the opposition between the scale of production needed and urban space available (*Gigafactory for Food*). On a **cultural level**, we are interested to explore how trying to fuse hi-tech and alternative food growing cultures can lead to alternative futures. In each one the role of a specific form of growing, namely **Controlled Environmental Agriculture** (CEA), is taken as a starting point.

[starts.eu/hungryecocities](http://starts.eu/hungryecocities)

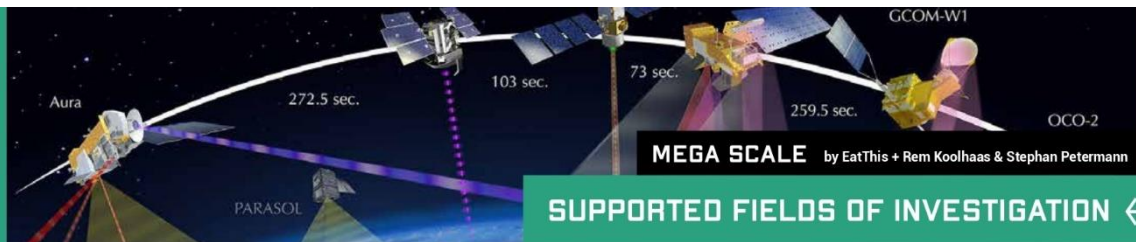
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## 1. Where to grow in a warming and more volatile world?

We know that by 2050, there will be at least 2.5 billion additional planet inhabitants who will also want to eat (more) vegetables. We also know that climate change is already having a profound impact on production conditions, an impact that will only exacerbate. How do we accommodate the additional vegetable production and where should it be located in a warming world?

In most cases large scale controlled environmental agriculture is the result of a relatively random set of conditions: money, available (flat) land, infrastructure, and political will. Other important factors like the availability of (sustainable) energy resources, labor, cultural and environmental factors only come second. This disjunction means production is largely removed from local conditions, and creates massive imbalances between production and energy, and prevents a direct connection to other societal needs and connections.

We want to turn the existing logic inside out by exploring different data sets that can help understand where CEA actually makes sense. The objective is to explore where and how CEA and nature can achieve a form of symbiosis. By using newly available satellite sensing technology, we can improve our understanding of current production, and also combine them with (sustainable) energy conditions, integrating climatic and demographic factors.

Potential questions to consider could be: How do we improve our understanding of the hectares of controlled environmental agriculture (CEA) currently active and what should we strive for as a planet? How can we calculate this and what form would CEA production most likely take? Temperate climates have been the basis for developing CEA growing. What if these climates become more volatile? Would that reduce the plausibility of CEA? When considering this would it be possible to also factor societal, and social

concerns related to CEA? Would new distribution patterns, sizes, and roles for greenhouses in a larger context emerge? Could we use this to improve our current planning practices? Would we be able to use satellite data and artificial intelligence to guide us through finding where we should grow?

## 2. The Gigafactory for Food

On an average day a large 3.5 million habitant city like Berlin consumes more than 950 tons of vegetables, 730.000 eggs, 860.000 liters of milk, 8.500 pigs, and almost 100.000 chickens. Only a fraction of this consumption is generally produced within the boundaries of the city or the region. COVID-19 revealed the fragility of the (food) supply chains catering cities and created a wide spread call for self-sufficiency for food, specifically by cities.

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These cities started developing programs and drafting ambitions to become less dependent on the non-urban areas for food production. The 30 by 30 vision by the Singapore Food Agency (SFA) included a prospect of generating 30% of its caloric needs within the city state and is probably the most ambitious urban food program to date. Other cities translated their ambitions also into reports showing flashy renders of green towers packed with robots picking vertically grown greens, collages of buzzing community gardens with kids picking their own apples. They receive praise in TEDx like conferences and summits, and declared 'The future' in magazine and newspaper articles. But then...

For some time now the political ambitions however largely seem to get stuck and the predicted future remains a persistent prospect. Built prototypes of indoor farms that have materialized in cities are showing clear signs of fatigue. Billions of market investments in these startups are evaporating as we speak, as the reality of production in the city is more challenging than anticipated. Too small, limited in their produce types, high in energy and capital costs, are some of the reasons for their failures. We have to take into account that the expected techno-optimist riposte pointing at the potentially positive effects of 'scaling' and reducing costs over time and innovation acceptance curves just might be wrong.

It seems improbable that the current form of urban farming with its well-intended roof farms, balconies and community gardens will ever seriously meet the dietary needs of a city. Unless we try to develop something radically new... maybe what is needed is a new building typology.

Elon Musk's Tesla Gigafactory in Nevada consolidates car manufacturing at the largest scale possible into a mile long box-shaped structure totaling 143 soccer fields. According to Wageningen University, a vertical farm the size of 36 soccer fields could produce enough vegetables to feed the 3.5million inhabitant city.

*Could we use the model of the Gigafactory to consider urban food production? How could we effectively think of this as a building? Could it also integrate different types of crop and livestock production and even cross fertilize? Could it be a public interface that encourages caring more about the production of our food? Can we think of the gigafactory as a city in a city? How can artificial, human and non-human intelligence have a place in this new typology of controlled environment agriculture? What are the conditions this would spatially require in a city?*

In this field of investigation we are equally interested in proposals that consider the whole (think of projects dealing with analysis or systems anatomy) as in proposals that zoom in on a specific part of such a system (think of projects looking at specific crops or species).

## 3. The eco-modernism / alternative food production systems standoff

In the 2022 documentary The Future of Food eco-modernist Hidde Boersma and advocate for more traditional nature inclusive inspired food production practices Joris Lohman challenges the dichotomies that are between them. Boersma and Lohman represent a large societal standoff between

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SUPPORTED FIELDS OF INVESTIGATION ←

those who believe in tech driven innovation in agriculture (Boersma) and those who reject the influence of modern technology and advocate living in closer harmony with nature by i.e., adhering to the principles of i.e. permaculture (Lohman). The documentary shows how this (Western) standoff is preventing the change in the food system, and that there are things to gain if we listen more to each other.

Both 'camps' claim they are the true admirers of Nature: the eco-modernist by trying to perfect nature, the perm culturalists by complete submission to nature. It begs the question whether both viewpoints are at odds with each other or if an ecomodernist permaculture or a permacultural eco-modernist garden would be feasible? *Could we explore if a hybrid model could have benefits? What would a food forest inside a greenhouse look like? What additional streams/ functionalities can be supported by the greenhouse? Can greenhouses become more nature/ biodiversity enhancing spaces? How could recent biome research in biosciences be introduced into CEA systems? What type of data models would be necessary to support it? But also the opposite direction could be explored: What would adding more control to alternative practices like biological or regenerative farming yield? How would the AI models used in CEA respond to a poly-organized production area?*

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## 5. Frequently Asked Questions

# Frequently Asked Questions (FAQ)

## Hungry EcoCities First Open Call

# Call for Artists

Application submission starts on: 1 March 2023 09:00 CET

Submission deadline is: 15 May 2023 17:00 CEST

PUBLIC

### History of changes

Date	Version	Author	Comments/Changes
10.02.2023	1.0	FundingBox	All Sections
23.02.2023	1.1	In4Art, FBA	All Sections

## Frequently asked questions and tips for applicants

### What is Hungry EcoCities?

Hungry EcoCities is an initiative carried out by 8 partners throughout the European Union to find synergies between the technological, the agri-food and the artistic sectors in order to increase awareness and technological tools impact on the responsible use of resources. This initiative includes two open calls, one for artists and one for artist-SME teams. Hungry EcoCities puts forward a high-level alliance between science, technology, and the arts, to effectively explore how digital technologies & applications can lead in turn to reduced food waste, more sustainable value chains, eco-friendly attitudes, and a more ethical food consumption. In this project, we bring together some of the worlds most renowned art studios with leading AI and agricultural experts and a network of over 40 leading European agricultural companies to develop ways of creating a more healthy, sustainable, and affordable agri-food system for all. The project is funded by the European Commission under the Horizon Europe framework.

### Where can I find more information about the project?

Project website: <https://starts.eu/>

Open Call website: <https://hungry-ecocities-artists.fundingbox.com/>

Community: <https://spaces.fundingbox.com/c/i4ms/categories/Hungry-EcoCities>

LinkedIn: <https://www.linkedin.com/company/starts-eu/>

Open Call helpdesk email: [hungryecocities@fundingbox.com](mailto:hungryecocities@fundingbox.com)

### Why should you apply?

Hungry EcoCities gives you, artists in the First Open Call and teams of Artists and SMEs in the Second Open Call, the opportunity to fund your project and contribute to the development of new techniques and actions to increase impact and raise awareness throughout the European Union on one of the key environmental issues. Have you always had an idea to raise awareness around resource waste through artistic interventions? Are you an experienced artist with the ability to develop new ideas around these topics? Do you know how you can contribute to the actions suggested under the Hungry EcoCities project? If any of these apply to you, this project can contribute to your professional and artistic development while ensuring a bigger impact deriving from your work.

### If I'm not an Artist, am I allowed to apply?

If you are not an Artist (as described in Section 3 Guide for Applicants - hereinafter "Artist"), unfortunately you cannot apply to the Hungry EcoCities First Open Call, the Call for Artists. In the Second Open Call, planned for 2024, artists and Small and Medium Enterprises (SMEs) are allowed to apply together. We are looking for artists interested in questioning and humanizing the workings of (digital)

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technology, and that have a research and experimental-driven approach. The artist has experience in conducting experiments and translating an idea into a prototype/ demonstrator. The artist feels comfortable using digital technologies, as those that are part of the Hungry EcoCities toolbox. It is valued if the artist has previous experience in the food sector, but it is not mandatory.

Being an Artist is one of the admissibility and eligibility criteria and the projects that do not comply with those criteria will be excluded and marked as ineligible. We will check your Artist's status, based on the information provided in your application during the whole evaluation process.

## What could be a perfect candidate for Hungry EcoCities?

When it comes to your candidacy, creativity is a must. Make sure that your proposal is original work and that it tackles the given topics from a diverse, experimental and inclusive perspective. Remember to clarify and ensure that your project has a European dimension, and that the conclusions drawn from it can be understood in different contexts.

In order to fit within the ideal framework of the open call, artists are expected to evolve from idea/concept into experiment and demonstrated prototype by the end of the residency.

As for your profile as a candidate, we encourage diverse profiles and follow European standards on inclusiveness and diversity. Within HungryEcoCities, we encourage the applicants to prioritise inclusive solutions in all decisions concerning the realisation of the project and to make each art-driven experiment accessible to the most diverse audience possible.

You can find an example of an ideal project in Section 3 of the Guide for Applicants.

## What is a TRL?

TRL - Technology Readiness Levels (TRLs) are indicators of the maturity level of particular technologies. This measurement system provides a common understanding of technology status and addresses the entire innovation chain.

There are nine technology readiness levels: TRL 1 being the lowest and TRL 9 the highest. In our project we refer to [section B of General Annexes to the Horizon Europe - Work Programme 2021-2022](#). (Horizon Europe) for a full description of TRLs.

## What happens if I do not submit my application within the deadline?

We do not accept applications after the deadline. We strongly encourage you not to wait until the last minute to submit your proposal. Failure of meeting the submission deadline for any reason, including extenuating circumstances, will result in the rejection of the proposal.

## How long does it take to fill in the application?

Once you collect all the required information and depending on the complexity of your proposal, filling in the application form online on the dedicated portal can take from 3 to 6 hours.

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## Can an artist submit more than one project idea?

You can submit maximum one competitive proposal per studio direction. Since we have three host studios each with their distinct direction of exploration, an individual applicant can submit up to three proposals in total. Bear in mind that you are not allowed to re-submit the same proposal for multiple studio directions. Moreover, you can receive the Hungry EcoCities grant only **once**. In the case that more than one proposal from you will be among the selected projects, only the one with more points will be funded.

## What are the criteria to assess the proposals?

All the admissibility and eligibility criteria are defined in section 3 of the Guide for Applicants Those criteria will be evaluated according to section 4 of the Guide for Applicants.

## Where can I go for support if I need help with preparing an application?

If you have any doubts during the preparation of the proposal, make sure to check the Guide for Applicants and the FAQ documents. If you do not find the answers that you needed, you can still contact us at [hungryecocities@fundingbox.com](mailto:hungryecocities@fundingbox.com) or write to us in the Hungry EcoCities community. Make sure you join the community to stay up to date with events and register to the online webinars where we answer all your questions.

## How to write a proposal that convinces evaluators?

In order to improve your chances, make sure to include all the guidelines as suggested in the open call description through the Guide for Applicants. Check out the [section 3.2](#) that describes what the evaluators consider as the ideal project. Make sure you do not leave any information out of your proposal. Be specific and provide precise answers to the questions in the application form. If you want to stand out, quality is the way to go.

## What are the different evaluation phases and the expected schedule?

The table below presents the indicative dates for each of the evaluation phases. Please note that in case you are among the pre-selected applicants for the Jury Day, you must ensure availability in the mentioned periods. The 20 pre-selected applicants will be put in contact with the host studios and will prepare the pitch for the online Jury Day session. All details related to the pitching and Jury Day preparation will be shared in an online briefing session prior to the event.

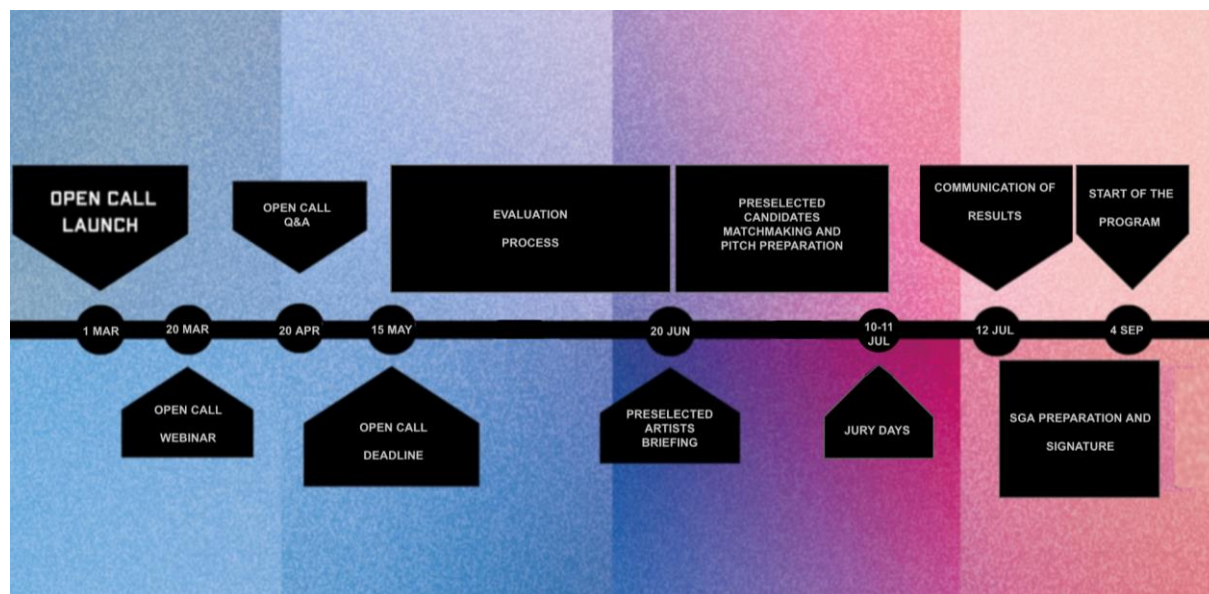
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Please consider that this is an estimated timeline and may change at any time. Changes will be communicated with due time.

## What is a Humanizing Technology Experiment?

The 10 selected Artists (beneficiaries) will start the 9-months S+T+ARTS residency programme, also known as the support programme. Humanizing Technology Experiments, or HTE, is the title of this 9-months residency experiments for the beneficiaries of the first open call of Hungry EcoCities. This name was chosen because we expect artists and consortium partners to collaborate within these experiments on rethinking or redefining or reconsidering ways in which technologies can be used in responsible and ethical ways for the future of food production or consumption. As a consortium we believe technology has a lot to offer, yet we must not think lightly of the (un)intended consequences of digital and AI technologies. Humanizing Technology Experiments are attempts to develop or apply technologies under a framework of ethics and responsibility.

## What are the payment conditions?

For the sake of simplicity and transparency, the Financial Support will be paid against specific Deliverables/Milestones/KPIs defined in the 'Individual Mentoring Plan' (IMP) elaborated at the beginning of the programme. The IMP will become an Annex to your SubGrant Agreement. Please find more details in section 5 of the Guide for Applicants.

The payment schedule can be found below - in the question "What is the payment schedule".

## What is the payment schedule?

Payment Milestones	Deliverable	Payment Milestone	% Total Grant	Fixed Lump Sum per project
Open Call for Artists				
Stage 1 Technology Exploration and Concept Generation	Individual Mentoring Plan	Individual Mentoring Plan approval	50	20 000 €
Stage 2 Prototyping	Prototype 1st version	Mid Stage	25	10 000 €
	Prototype Validated	End of Stage	25	10 000 €
<b>Total</b>			<b>100%</b>	<b>40,000 €</b>

## What services does Hungry EcoCities offer in the Support Program?

Apart from the lump sum, you can expect a service of support through the mentoring sessions on diverse topics as well as several possibilities for networking and learning new skills in different events and conferences. You will become part of the Hungry EcoCities Community and have your own mentor, who will guide you through the process. Thanks to the lump sum, you will have the opportunity to spend your time developing your artistic project and improving the impact of your work so that it raises interest amongst the several studios that are part of the Hungry EcoCities network as well as the general public. The Hungry EcoCities network also includes several experts in communication and dissemination that will help you maximise this impact through the participation in different events, leaflets, articles and other similar materials.

## Do I need to travel for the project?

Yes, travelling is part of the residency. At the beginning of the program, all 10 selected residents will be expected to travel to Carlo Ratti Associati Studio in Turin, Italy for a joint kick-off program. During the execution of the residency, at least two trips to the host studio (either in Berlin, Rotterdam/Westland or Turin) as well as one trip to the mentoring university (either Brno or Leuven) are to be foreseen. A second joint meeting is planned around the end of March 2024, either in Berlin or Rotterdam/Westland. All in all, you should consider a minimum of 5 trips when estimating your budget for the proposal.



## Is any accountability required on the way the funds have been used, e. g. invoices and other financial documents? Are there any specific restrictions on how the funds are utilized?

The FSTP beneficiaries will receive a fixed lump sum of up to 40 000 €.

The lump sum is a simplified method that means that the FSTP recipient is not required to present accounting documents like invoices, timesheets, etc, to prove that the cost was actually incurred. However, Hungry EcoCities will assess your progress and quality of your work during Interim Reviews, not your accountancy. In this sense, we will ask you to demonstrate the implementation of the project in line with the milestones set. In any case, the lump sum methodology does not release you from the obligation to collect documentation to confirm the costs under fiscal regulation.

## Which are the eligible costs for my proposal?

Make sure you will provide an indicative budget allocation in your application to allow the evaluator to better understand the organization and implementation of the project.

Eligible costs are:

1. Direct costs - specific costs directly linked to the performance of the project and which can therefore be directly booked to it.
  - a. Personnel costs - daily rate of the staff of the beneficiary dedicated to actual work under the project (rounded up or down to the nearest half-day).
  - b. Subcontracting costs - calculated on the basis of the costs actually incurred, awarded using the beneficiary's usual purchasing practices – provided these ensure subcontracts with best value for money (or if appropriate the lowest price) and that there is no conflict of interests.
  - c. Purchase costs - bought using the beneficiary's usual purchasing practices – provided these ensure purchases with best value for money (or if appropriate the lowest price) and that there is no conflict of interests:
    - i. Travel, accommodation and subsistence
    - ii. Equipment
    - iii. Other goods, works or services, if necessary to implement the project - for instance: consumables and supplies, promotion, dissemination, protection of results, translations, publications, cost related to IPR, if required under the SubGrant Agreement.
2. Indirect Costs - costs incurred within the context of a project that cannot be attributed directly to the project, e.g., room rent, energy costs or general administration costs. A fixed flat rate of 25% of the eligible direct costs shall be applied.

Subcontracting may cover only a limited part of the action, up to 20%. If the subcontracting budget is quite high, the beneficiary must and should justify it properly.

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**Only costs generated during the lifetime of the project can be eligible. Period of costs' eligibility is from the contract signature date until the end of the project. Costs described in the submitted budget must be determined in accordance with the usual accounting and management principles and practices of the beneficiary** (e.g., subcontracting must be awarded using the beneficiary's usual purchasing practices – provided these ensure subcontracts with best value for money (or if appropriate the lowest price) and that there is no conflict of interest).

### How should we estimate the budget?

Each project proposal will include a costs calculation in the Implementation section of the application form. Checking the consistency between these costs and the expected work of the project will be part of the evaluation of proposals.

The total cost of each project should be estimated based on the following criteria:

- 1) **Personnel costs:** Costs should be calculated with the estimation of the required effort, and applying the standard rates foreseen in Creative Europe i-Portunus: mobility for artists and professionals scheme<sup>7</sup>, which funds short-term periods (7-60 days) with a maximum amount of 3 000 €.
- 2) **Travel costs:** Monthly Travel Rate is 1 000€/month.
- 3) **Consumables, equipment depreciation, etc.:** estimated by a standard practice of the applicant.
- 4) **Subcontracting**
- 5) **Overheads** (25% of sum of 1+2+3)
- 6) **Total costs** (1+2+3+4+5)
- 7) **Requested funding amount:** Maximum amount 40 000 Euro.

### What roles do Gluon and State Studio have in Hungry EcoCities?

Gluon (BE) and STATE Studio (GE) are both subcontracted partners in Hungry EcoCities and they will participate in the organisation of events, dissemination activities and implementation of the residencies. As subcontracted partners they will be present and actively contributing to specific parts of Hungry EcoCities.

Gluon is supporting all parts of the project; hence their logo is part of all our communication. STATE Berlin is specifically supporting our partner Studio Other Spaces in Berlin.

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<sup>7</sup><https://ec.europa.eu/culture/funding-creative-europe/culture-strand/i-portunus-mobility-artists-and-professionals>

## 6. Application Form Template

### HUNGRY ECOCITIES A S+T+ARTS RESIDENCY PROJECT

<https://starts.eu/what-we-do/residences/hungry-ecocities/>

Welcome to the Open Call for Artists for S+T+ARTS Residencies Hungry EcoCities!  
<https://hungry-ecocities-artists.fundingbox.com/>

**The Deadline for this Call is Monday 15 May 2023 at 17:00 (CET)**

Only applications in English will be admitted.

Before applying, read carefully the Open Call related information ([Guide for Applicants, 3 Directions Booklet & FAQ](#)), which includes all the necessary information on the application process, evaluation criteria, and the proposal's requirements.

A practical point: you can save your application as a draft and continue later.

#### 1. Basic Information

**Name of the contact person\*:**

Enter your complete name (first name and last name), please.

**Contact person email address\*:**

Please, enter the email address (mail@mail.com format) where we can contact you and send all the communications.

**Contact person phone number\*:**

Remember to include your country code in brackets. E.g.: (+xx) xxxxxxxx.

#### 2. General Entity Information

The following information will enable us to contact you and verify that your organisation fills out the eligibility criteria for participating in the Hungry EcoCities project. (see the requirements in the [Guide for Applicants](#))

**Legal name of your entity or full name and surname of natural person\*:**

The legal name in the country where the company is incorporated / Name and surname of the Artist.

**Country where the entity is registered/ country of citizenship or residence\*:**

Take notice that only countries indicated in the Guide are eligible for application.

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**Address of the entity or address of your residence\*:**

Text (200 characters)

**Date of registration of the entity (if applicable):**

Text (50 characters)

**VAT number (if applicable):**

Text (50 characters)

**Entity registration number:**

The number on the registration documentation as per national legislation Text (50 characters)

**Entity email address\*:**

Text (50 characters)

**Website URL\*:**

(https://... or http://...)

**Social media account link**

Text (200 characters)

### 3. Related Experience of the Artist

Portfolio submission (add min. 2 - max 4 projects: each section has the same structure). Please note that you can only save once you have filled in the mandatory questions. You can always work offline in the [Application template](#) or fill in "test" or "..." to proceed to next sections and go back later to fill in the missing parts.

---

#### Portfolio 1<sup>st</sup> project\*

**Name of the project/ Project Title\* :**

Text (80 characters) - title/ name of the project

**Year(s) of realization\*:**

Start year and, if different, year of completion

**Add link to project/reference website of this project (URL)\*:**

https://... or http://...

**Other partners involved (think of artists/ producers/ industry/ science collaborators):**

If applicable: names + short description of their role in the project.

**Include a reference (name + contact):**

Disclaimer: will only be approached if you are pre-selected for the Jury Day.

**Explain what the starting point of the project was\*:**

Text (no character limit) - The motivation/ motive/ context to start this project.

**Explain why you selected this project as reference for Hungry EcoCities\*:**

Text (no character limit)

**Summary of the work (short): highlight the material/ technology used and form of the artwork\*:**

Text (no character limit)

**Explain the outcome and the impact of the artwork. What happened with the work or the research behind the work after it was finalised? (exhibition / further development into new object /starting point for new research / acquired by)\*:**

Text (no character limit)

**What technologies (domains/fields) have been used in your artwork? (for reference, see [www.artdriveninnovation.eu/innovation-fields/](http://www.artdriveninnovation.eu/innovation-fields/))\***Text (max 500 characters)

**What innovation potential do you see in your own work? (see: [www.artdriveninnovation.eu/responsible\\_innovation/](http://www.artdriveninnovation.eu/responsible_innovation/))**

Text (no character limit)

**Upload an image of the artwork.**

Please clarify photo credits in the photo file using the name of the project, followed by the name of the photographer, e.g., ProjectName@JohnDoe.png (max. 1Mb).

This picture might be used to present your portfolio.

**Press the green (+) button above to add next project to your portfolio.**

#### Portfolio 2<sup>nd</sup> project\*

**Name of the project/ Project Title\* :**

Text (80 characters) - title/ name of the project

**Year(s) of realization\*:**

Start year and, if different, year of completion

**Add link to project/reference website of this project (URL)\*:**

https://... or http://...

**Other partners involved (think of artists/ producers/ industry/ science collaborators):**

If applicable: names + short description of their role in the project.

**Include a reference (name + contact):**

Disclaimer: will only be approached if you are pre-selected for the Jury Day.

**Explain what the starting point of the project was\*:**

Text (no character limit) - The motivation/ motive/ context to start this project.

**Explain why you selected this project as reference for Hungry EcoCities\*:**

Text (no character limit)

**Summary of the work (short): highlight the material/ technology used and form of the artwork\*:**

Text (no character limit)

**Explain the outcome and the impact of the artwork. What happened with the work or the research behind the work after it was finalised? (exhibition / further development into new object /starting point for new research / acquired by)\*:**

Text (no character limit)

**What technologies (domains/fields) have been used in your artwork? (for reference, see [www.artdriveninnovation.eu/innovation-fields/](http://www.artdriveninnovation.eu/innovation-fields/))\***Text (max 500 characters)



**What innovation potential do you see in your own work? (see:**

[www.artdriveninnovation.eu/responsible\\_innovation/](http://www.artdriveninnovation.eu/responsible_innovation/))

Text (no character limit)

**Upload an image of the artwork.**

Please clarify photo credits in the photo file using the name of the project, followed by the name of the photographer, e.g., ProjectName@JohnDoe.png (max. 1Mb).

This picture might be used to present your portfolio.

### Portfolio 3<sup>rd</sup> project

**Name of the project/ Project Title\* :**

Text (80 characters) - title/ name of the project

**Year(s) of realization\*:**

Start year and, if different, year of completion

**Add link to project/reference website of this project (URL)\*:**

<https://...> or <http://...>

**Other partners involved (think of artists/ producers/ industry/ science collaborators):**

If applicable: names + short description of their role in the project.

**Include a reference (name + contact):**

Disclaimer: will only be approached if you are pre-selected for the Jury Day.

**Explain what the starting point of the project was\*:**

Text (no character limit) - The motivation/ motive/ context to start this project.

**Explain why you selected this project as reference for Hungry EcoCities\*:**

Text (no character limit)

**Summary of the work (short): highlight the material/ technology used and form of the artwork\*:**

Text (no character limit)

**Explain the outcome and the impact of the artwork. What happened with the work or the research behind the work after it was finalised? (exhibition / further development into new object /starting point for new research / acquired by)\*:**

Text (no character limit)

**What technologies (domains/fields) have been used in your artwork? (for reference, see [www.artdriveninnovation.eu/innovation-fields/](http://www.artdriveninnovation.eu/innovation-fields/))\***Text (max 500 characters)

**What innovation potential do you see in your own work? (see:**

[www.artdriveninnovation.eu/responsible\\_innovation/](http://www.artdriveninnovation.eu/responsible_innovation/))

Text (no character limit)

**Upload an image of the artwork.**

Please clarify photo credits in the photo file using the name of the project, followed by the name of the photographer, e.g., ProjectName@JohnDoe.png (max. 1Mb).

This picture might be used to present your portfolio.

### Portfolio 4<sup>th</sup> project

**Name of the project/ Project Title\* :**

Text (80 characters) - title/ name of the project

**Year(s) of realization\*:**

**S + T + ARTS**

SCIENCE + TECHNOLOGY + ARTS



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Start year and, if different, year of completion

**Add link to project/reference website of this project (URL)\*:**

<https://...> or <http://...>

**Other partners involved (think of artists/ producers/ industry/ science collaborators):**

If applicable: names + short description of their role in the project.

**Include a reference (name + contact):**

Disclaimer: will only be approached if you are pre-selected for the Jury Day.

**Explain what the starting point of the project was\*:**

Text (no character limit) - The motivation/ motive/ context to start this project.

**Explain why you selected this project as reference for Hungry EcoCities\*:**

Text (no character limit)

**Summary of the work (short): highlight the material/ technology used and form of the artwork\*:**

Text (no character limit)

**Explain the outcome and the impact of the artwork. What happened with the work or the research behind the work after it was finalised? (exhibition / further development into new object /starting point for new research / acquired by)\*:**

Text (no character limit)

**What technologies (domains/fields) have been used in your artwork? (for reference, see [www.artdriveninnovation.eu/innovation-fields/](http://www.artdriveninnovation.eu/innovation-fields/))\***Text (max 500 characters)

**What innovation potential do you see in your own work? (see:**

[www.artdriveninnovation.eu/responsible\\_innovation/](http://www.artdriveninnovation.eu/responsible_innovation/))

Text (no character limit)

**Upload an image of the artwork.**

Please clarify photo credits in the photo file using the name of the project, followed by the name of the photographer, e.g., ProjectName@JohnDoe.png (max. 1Mb).

This picture might be used to present your portfolio.

**Do you have previous experience with a food value chain related project? If yes, make sure you add this one to your portfolio entry\*.**

- Yes
- No

**Upload: CV/portfolio (max. 10MB) \***

Click to upload.

## 4. Project Proposal

Please remember to go back to the support documentation for this Open Call whenever you have doubts about the application. For this section, you can find information in the [3 Directions Booklet](#).

**Choose one of the three directions for experimentation your proposal will address\*:** (Find more details on the directions in the 3 Directions Booklet, Annex 1 to the Guide for Applicants)

- **Mega Scale**
- **Local Conditions**
- **City+Farming Synergies**

### Proposal Title\*

Text (no character limit)

### Why did you decide to apply for this direction? \*

Text (no character limit)

**Which technology from the Hungry EcoCities Toolbox will you include in your experiment\*:** (Choose at least one of the tools below)

- **AI tools:** explainable AI
- frameworks to assess the Sociality of AI
- Algorithmic driven supply chains
- Advanced sensing and data analytics (incl. satellite data processing).

#### **Biotech tools:**

- “green” molecular biotechnology
- algae and plant cultivation
- plant acoustics and spectra
- UV analytics.

#### **Digital tools:**

- IoT enabled systems and agents
- virtual reality
- autonomous robotic systems.

**If additionally to the selection above you would include other technologies, please name them:**

Text (200 characters)

**Please explain how the selected technologies are part of your proposed project\***

Text (max 500 characters)

**Please define which types of data-sets you plan to use in your proposed experiment\***

Text (max 500 characters)

**Expectation from collaboration\*:**

Text (max 500 characters)

**How much time would you be available to work on the proposal (full-time/ part-time / other commitments to take into account)? Please note the programme will run for 9 months starting September 2023.\***

Please detail capacity/ availability/ preferred way of working. Text (no character limit)

**Upload proposal (max 2 pages text description, with additional page(s) for sketches/images, max 5MB)\***

Click to upload (pdf, max 10 MB)

## 5. Resources

Please provide an indicative budget allocation in your application to allow the evaluator to better understand the organization and implementation of the project. Please note that all values required are to be expressed in Euros.

	Value	*
<b>Budget</b>		
(1) Personnel costs	Number (20 characters)	Yes
(2) Travel costs	Number (20 characters)	Yes
(3) Consumables, equipment depreciation, etc.	Number (20 characters)	Yes
(4) Subcontracting	Number (20 characters)	Yes
(5) Overheads (25% of sum of 1 + 2 + 3)	Number (20 characters)	Yes
(6) Total costs (sum of 1 + 2 + 3 + 4 + 5)	Number (20 characters)	Yes
(7) Requested amount (Maximum amount 40 000 Euro)	Number (20 characters)	Yes

## 6. Declaration of Honour

Please read carefully the statements below. You will not be able to change the statements after the deadline. Please refer to the [Guide for Applicants](#) (GfA) to get a full understanding of the rules and regulations of this call.

By ticking the boxes below, I confirm that	Type of Answer	Mandatory?
I have read and understood the information about the project, as provided in the Guide for Applicants (GfA)	Yes/No	*
I accept all the rules and regulations of this open call as detailed in the GfA	Yes/No	*
I have been given the opportunity to ask questions about the project and my participation via the helpdesk email address	Yes/No	*
I voluntarily agree to participate in the Hungry EcoCities project	Yes/No	*
I understand I can withdraw at any time without giving reasons and that I will not be penalised for withdrawing nor will I be questioned on why I have withdrawn.	Yes/No	*
I acknowledge that the evaluators and the European Commission and its bodies and agencies may have access to the data collected under the open call	Yes/No	*



## Deliverable 3.1 – Call Announcement and Guide for Applicants

The data provided in the application form are true and up-to-date.	Yes/No	*
The entity I represent meets the eligibility conditions described in the GfA, in particular is a Natural Person (running a business or not) acting as an Artist.	Yes/No	*
I have been informed and confirm my availability to participate in the Jury Day (online) briefing and pitching (mandatory attendance dates estimated on June 20 and July 10 and 11, 2023) in case I am one of the pre-selected finalists.	Yes/No	*
There is no conflict of interest between the entity I represent and any of the Hungry EcoCities consortium partners	TRUE/FALSE	*
Moreover, the entity/natural person I represent, or persons with power of representation, decision-making or control over the aforementioned entity/natural person: is/ are not listed on the EU sanction list: <a href="https://www.sanctionsmap.eu">https://www.sanctionsmap.eu</a> , which means that is/are not subject to EU restrictive measures under Article 29 of the Treaty on the European Union (TEU) and Article 215 of the Treaty	TRUE/FALSE	
is /are not bankrupt or being wound up, is not having its affairs administered by the courts, has not entered into an arrangement with creditors, has not suspended business activities, is not the subject of proceedings concerning those matters, or is not in any analogous situation arising from a similar procedure provided for in national legislation or regulations;	TRUE/FALSE	
has/have not been convicted of an offence concerning their professional conduct by a judgment which has the force of res judicata	TRUE/FALSE	
has/have not been guilty of grave professional misconduct proven by any means which the contracting authority can justify, including by decisions of the European Investment Bank and international organisations	TRUE/FALSE	
is/are in compliance with their obligations relating to the payment of social security contributions or the payment of taxes in accordance with the legal provisions of the country in which it is established or with those of the country of the contracting authority or those of the country where the contract is to be performed	TRUE/FALSE	
has/have not been the subject of a judgment which has the force of res judicata for fraud, corruption, involvement in a criminal organisation or any other illegal activity, where such illegal activity is detrimental to the Union's financial interests	TRUE/FALSE	
is/are not subject to an administrative penalty for being guilty of misrepresenting the information required by the contracting authority as a condition of participation in a grant award procedure or another procurement procedure, or failing to supply this information, or has/have not been declared to be in serious breach of their obligations under contracts or grants covered by the Union's budget.	TRUE/FALSE	

## Deliverable 3.1 – Call Announcement and Guide for Applicants

I did not make false declarations in supplying the information required, as a condition of participation in the Open Call or do not fail to supply this information TRUE/FALSE \*

I voluntarily agree to be registered at Hungry EcoCities Community and I understand that I can delete my profile from the above-mentioned Community by informing the Hungry EcoCities Team via helpdesk mail Yes/No

### 7. Processing of Personal Data

I confirm that I read and understood the information clause concerning processing of the personal data provided above. Yes \*

I confirm that I have legal basis for processing personal data of the team members listed in the application form. Yes \*

I will pass the information clause provided above to all team members mentioned in the application form. Yes \*

### Information clause for personal data processing in the Open Call organized under Hungry EcoCities Project

Grant Agreement No. 101069990

#### CONTROLLER'S IDENTITY AND CONTACT DETAILS

The data controllers are all entities in the [FundingBox capital group](#) as the Joint Controllers. All FundingBox entities have agreed on common data processing purposes. In all matters regarding personal data, you can contact us using the following email address: [privacy@fundingbox.com](mailto:privacy@fundingbox.com).

The essence of the arrangement is available [here](#).

PURPOSES, LEGAL BASIS AND PROCESSING PERIOD		
The purpose and legitimate interest of processing	Legal basis for processing	Period
1) To run an Open Call and collect data necessary to evaluate applications submitted in the Open Call.	Legitimate interest of FundingBox (based on Art. 6.1f) of GDPR) which is fulfilling the obligations and our other interests related to implementation of the Project.	6 years from the end of the year in which the Project ended.
2) To realize the Project goals described in the Grant Agreement (e.g. communication, reporting, collaborating with other project partners).		
3) To consider potential complaints.		
4) To gather feedback from applicants when the Open Call is over to improve processes.		
If an applicant has been selected to become the beneficiary of the project:		
5) To collect the applicant's details and documentation necessary to verify its legal status. Data will be collected in separate form via FundingBox platform.	Processing is necessary for the performance of a contract (based on Art. 6.1b) of GDPR).	

#### DATA RECEIVERS

The Joint Controllers will transfer personal data only to trusted recipients such as IT service providers, accountants, law firms, postal and courier companies (who process personal data on the controllers' behalf).

**S+T+ARTS**

SCIENCE + TECHNOLOGY + ARTS



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## 8. Questions for statistical purposes

**How did you hear about Hungry EcoCities\*? (Please select one)**

- S+T+ARTS website/ social media/ newsletter
- Other social media
- e-mail campaigns
- Newsletter
- Internet search
- Regular media
- Partners' network
- By word of mouth
- Other

**If your answer includes "Other", please specify\*:**

(Max 100 characters)

**Have you previously participated in a S+T+ARTS project?**

- Yes
- No

**If your answer is "Yes", please specify\*:** (Max 100 characters)

**Have you participated in other EU projects\*?**

- Yes
- No

**If your answer is "Yes", please specify which EU projects you participated in\*:**

(Max 100 characters)

## 7. Reflections and Lessons Learned

Since this deliverable is mostly a joint document of the open call package of documents, its elaboration entailed the participation of all partners involved in the Open Call launching and management. For the completion of the individual documents forming this deliverable, work package leader created the initial drafts and uploaded them to the project working space, Project Place, for the related parties to review and collaborate on the documents.

This approach proved to be very efficient as all project partners could view and contribute on the same version of the documents simultaneously while seeing others' suggestions and inputs. This collaboration on the first set of documents for the Open call enabled all partners to reflect on the expectations from the third party beneficiaries of Hungry EcoCities and clarify aspects related to the selection process.

Some lessons learned in the process:

- It is important to plan the tasks in this work package in close connection to the results of related work packages.
- Set-up meetings to clarify doubts and involve all relevant partners.
- Provide support documentation, such as annexes to the guide, for the applicants to get a clear overview of the process.
- Prepare further support materials to use in the communication with applicants, such as webinars, in order to give further insights on the call.

This deliverable will have a second version with the launching of the second open call in Hungry EcoCities where the package of documents will be adapted to the specific type of applicants. Although the contents will differ as the two open calls address different objectives and sets of applicants, the structure will be maintained, and the lessons learned in this open call will serve as good practice for the completion of the next deliverable.

Name	Version	Size	Modified by	Date
OLD versions	Activated	51.0 MB	Anca Marin	21 Feb
230217_HEC_WP4-residency_approach.pp...	0.6	921 KB	Lija Groenewoud - van Vl...	21 Feb
FBA_SGA_for HorizonEurope_template_2...	0.3	499 KB	Helena Svatošová	Today 10:06
HEC Guide for Applicants_final draft.docx	0.8	5.2 MB	Rodolfo Groenewoud va...	Today 16:23
HEC_APPLICATION FORM_ARTISTS_word...	0.8	83.4 KB	Anca Marin	21 Feb
Hungry EcoCities 3 Directions Booklet HQ...	0.2	14.0 MB	Verónica Carracedo	Today 12:33
Hungry EcoCities 3 Directions Booklet.pdf	0.4	1.09 MB	Verónica Carracedo	Today 15:28
Hungry EcoCities Call for Applicants Annou...	0.1	73.6 KB	Anca Marin	22 Feb
Hungry EcoCities FAQ.docx	0.4	6.97 MB	Anca Marin	23 Feb

Figure 1 – Partners collaboration for the Open Call Package of Documents



## 8. Partners Hungry EcoCities



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