

Engage with Space Toolkit

Citizen Space Debate Activity

This toolkit was developed by Ars Electronica with the support of Science Gallery at Trinity College Dublin, Ciencia Viva and Leiden University.

spaceEU project has received funding from the European Union's Horizon 2020 Framework Programme for Research and Innovation under grant agreement No. 821832



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Introduction

About the spaceEU Engage with Space Toolkit

Space science is a rich and powerful tool in science education, as the excitement of space can open doors to reach new audiences and engage young people in STEAM. Humankind shared fascination with space can encourage young people to follow STEAM related careers while inspiring and broadening their minds. Engage with Space toolkit is a ready-to-use digital collection of space centred activities with a specific focus on girls and underserved communities. These activities encourage and help schools, youth centers, museums, universities, NGOs and informal learning spaces to bring together students, families, space professionals, their communities and more to engage them with the wonders of space.

The spaceEU Engage with Space Toolkit is comprised by:

Step into Space Exhibition

Step into Space exhibition consists of three flexible modules which allow to build a regional connection and engagement. The exhibition looks into how space exploration has been an intrinsic part of our lives, contributing to new technologies we use here on Earth, assists us in thinking about how to protect our planet, and inspiring us to think outside the box and to cooperate.

The architectural design allows you to adjust the exhibition to your needs; space and content wise. You can find graphic templates and detailed handbook about how to build the exhibition here and in the download section of spaceEU. We encourage you to invite and collaborate with local artists who can contribute to the exhibition.

Modules

- What We Made from Space
- Through the Lens of Space
- A Creative Space

Engagement & Education

The Engage with Space Toolkit presents detailed instructions for implementing spaceEU engagement formats. The formats presented here are trialed and tested, which doesn't mean they can't be modified to best suit local contexts. Engage with Space offers in detail one way to implement spaceEU engagement formats and we highly encourage you to adapt and adjust these formats to your needs. You know your audience and local partners the best!

The formats aim to reach two main target groups and can partly be combined and integrated in the exhibition.

Children and Youth

- Space in the Classroom
- space4youth
- space4youth Open Call
- Open Space Lab (integrated in the exhibition)

General Public

- Space Café
- Citizen Space Debate
- Space Unconference

With the exhibition and the engagement programmes the spaceEU project address the following objectives:

- We aim to inspire young people with space topics and encourage them to consider careers in the space sector.
- We want to celebrate the accomplishments of European space science and demonstrate how European society benefits from the space sector.
- We plan to highlight past and present contributions by women and minorities to the advancement of the space field and promote a diverse and inclusive space sector.

Find the complete spaceEU Engage with Space Toolkit at www.space-eu.org/toolkit.

About spaceEU

spaceEU (www.space-eu.org) encourages young people to choose careers in science and technology on the one hand and stimulates a sense of European and global citizenship on the other. An exhibition and a wide range of engagement programmes use the excitement of space and the beauty of the Earth in order to convey these stories. Our main target audience are youth and families with a specific focus on girls and youth from underprivileged communities as well as professional stakeholders.

Citizen Space Debate Activity

Overview	
Description	<p>The Citizen Space Debate is an informal gathering of citizens, space stakeholders, entrepreneurs, businesspeople and general public to know people's opinion on space-related issues in order to provide space institutions / government guidelines.</p>
At a glance	<p>Target Group: Citizens interested in space and different stakeholders. Groups should be formed with people with different backgrounds, ages, genders and points of view.</p> <p>Age: + 14. In particular, adults.</p> <p>Number of participants: 50 - 200</p> <p>Duration of the activity: 3h - 4h</p> <p>Organization time: 6 months</p> <p>Materials: Microphone Pens and paper 1 computer + projector + beamer (if needed)</p> <p>Place: Large room enough to hold tables and seats for the number of groups decided.</p> <p>Promotion: Yes</p> <p>Catering: Offer lunch to all the participants; have refreshments on the tables.</p> <p>Promotion Yes. Social Networking; Leaflet distribution and posters Media advertisement/free media Press releases Newsletter</p>

Goals and Objectives	<p>Goals:</p> <ul style="list-style-type: none"> • Bring citizens closer to space science research. • Encourage citizens to know more about space. • Know citizens opinion about a or several space related topic. <p>Objectives:</p> <ul style="list-style-type: none"> • Know the opinion of a large variety of citizens on space-related issues in order to provide space institutions / government guidelines. • Raise public awareness of the work being developed. • Better understanding of space. • Bridging the gap between experts and public. • Dialogue and trust. • Connect different stakeholders - networking. • New research inputs generated from the public
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Preparation	
Personnel	<p>1 general coordinator 1 moderator/group 1 rapporteur/ group 1 IT and audio assistant</p>
Step by Step	<p>1. Choose the topic of the debate State Citizens Debate importance and propose. List different stakeholders: policy-makers, governants, scientists industry. Prepare documentation and communication. Decide number of participants. Develop web page with information, link to enrolment and deadline.</p> <p>2. Invite the experts/stakeholders (1 -2 expert/group) Experts and stakeholders should be as diversified as possible and representative of different agendas and institutions.</p> <p>3. Find place The place should large enough to hold different group tables (10 people/group). Should have good acoustic conditions to held different groups with people talking at the same time. Should be prepared with microphones, computer+projection. Take care of logistics (catering, practicalities).</p> <p>4. Communication</p>

	<p>As widespread as possible. Social medial. Institutional page. Press Release. Mailing list.</p> <p>5. Team Prepare and train your team for the event.</p>
Documentation	<p>Supporting documents or guidelines related to the adressed topics. They must be short, appealing and easy to read. For taking pictures or recording the Citizen Space Debate mind proper authorizations.</p>

Day of the event	
Set Up	<p>Check presentations, if any, and sound. Check working documents needed. Check list of participants. Check badges. Check certificates.</p>
Presentation 5 minutes	<p>Moderator welcomes people and explains the event.</p>
Debate	<p>People sit together in different groups. In each group there's a trained moderator, a rapporteur and 1 or 2 stakeholders. The group should be as diverse as possible. Each person will be part of two different groups.</p>
Documentation	<p>Make sure participants have access to the supporting documents and guidelines</p> <p>Make sure the photographer has all the instructions to record the best possible shots.</p>
Conclusion 5 minutes	<p>Moderator thanks participants and informs that a report will be made about the debate and that all participants will be informed. Informs that certificates were issued to all participants.</p>

Wrap-up	
Final conclusions	<p>Send the final conclusions to one or more Space-related institutions and to the participants. Experts will be asked to write down a text with the final conclusions that should be sent to important Space-related</p>

	institutions (ESA, in our case) and to the participants of the event.
Follow up	Send a certificate, thank you or acknowledgement to everyone who attended the debate. Do it not only as a nice gesture, but also as a sign of recognition for their contribution. Publish a short report, photos, videos, etc. on the project website and e-mails participants when report is published.

Recommendations	
Experts	Strive for gender balance. Enrol experts from diverse cultural backgrounds.
Audience	The audience should be as diverse as possible - groups should be formed with people with different backgrounds, ages, genders and points of view.

Intellectual Property: Ownership of Toolkit

All contents relating to the spaceEU exhibition 'Step into Space' and educational program 'spaceEU Activities' developed by the parties under the terms of the spaceEU agreement shall be jointly owned by the spaceEU consortium, unless otherwise stated. Utilization of any Joint Ideas/Deliverable beyond the scope of this toolkit shall be negotiated reasonably and in good faith by the parties hereto and shall be subject of a separate written agreement.

Utilization by parties themselves beyond the time scope of the project is allowed. Utilization by parties for commercial contexts shall be negotiated separately in a written agreement.