



**Surrounded
by Science**

Newsletter #6

June 2023

**UNIVERSITY
OF TWENTE.**



NUCLIO



theLisborcouncil
think tank for the 21st century

מכון ויצמן למדע
WEIZMANN INSTITUTE OF SCIENCE

NTNU



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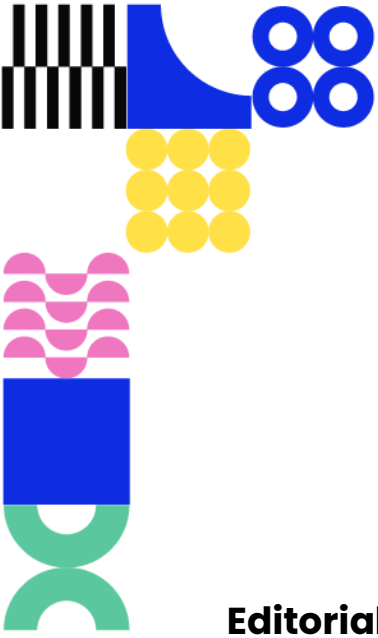
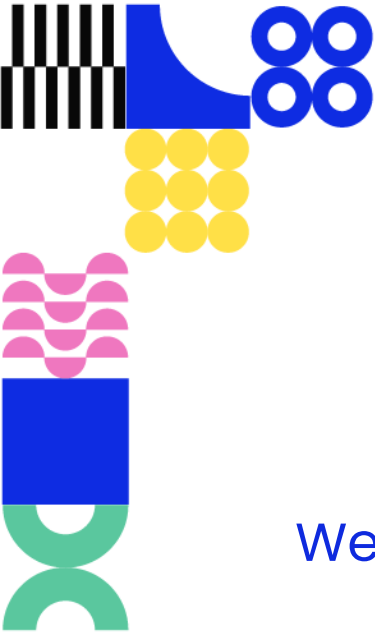


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Editorial

Welcome to the June 2023 newsletter

As the warm sunshine beckons us outdoors, it's the perfect time to explore and embrace the wonders of science all around us. Whether you're observing the fascinating patterns in nature, conducting backyard experiments, or joining exciting science events in your school or your community, this newsletter is here to inspire and ignite your curiosity.

Get ready for a summer filled with science adventures and discoveries! In this issue:

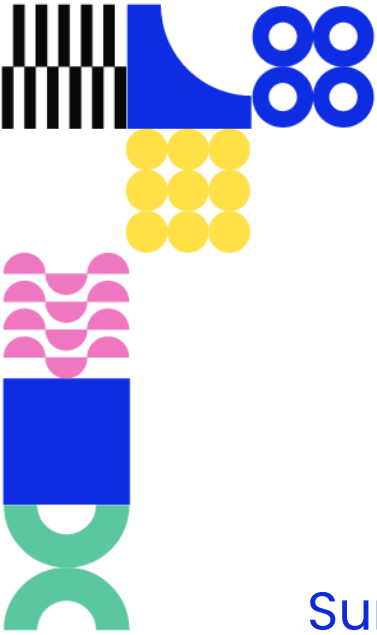
- Read about the Surrounded by Science participation in PCST 2023 in the Netherlands and in SciComPt 2023 in Portugal
- Find out more the Geodiversity in the Solar System exhibition, organized by the Cascais Municipal Council and NUCLIO, that unveils the wonders of geology in the solar system.
- Know more about the Surrounded by Science Midterm Review Meeting, which marked a significant milestone for the project
- Browse through our section "*What we're reading, listening to and watching*" to get inspired with insightful resources on out-of-school STEM

Be part of our journey as we dive into the mesmerizing world of science and discover the latest developments in our project! Don't forget to visit our website, subscribe to the newsletter, and follow us on the Surrounded by Science social media channels!



Joana M. da Silva & Pavlos Kouloris
Newsletter Co-editors





News

Surrounded by Science at PCST 2023



By Tessa Eysink

PCST (Public Communication of Science and Technology) is a network that brings together practitioners, educators, and researchers in science communication. This year's conference took place from 11 to 14 April in Rotterdam, the Netherlands. The overarching theme of the conference was 'Creating common ground'.

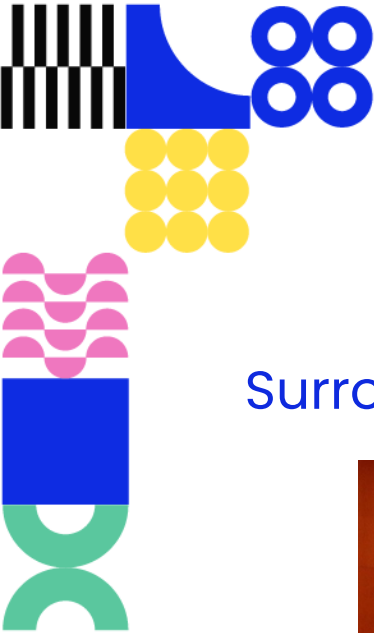
Tessa Eysink from the University of Twente (UT) presented the Surrounded by Science project in a session of insight talks on 'Evaluation and impact of science communication'. The title of her talk was 'Success criteria for informal STEM learning activities: views of practitioners, visitors and researchers.' With about 80 people joining the session, we were able to showcase our project to a large audience.



Tessa Eysink, UT

If you wish to know more about the conference, please visit: <https://pcst2023.nl/>





Surrounded by Science at SciComPt 2023



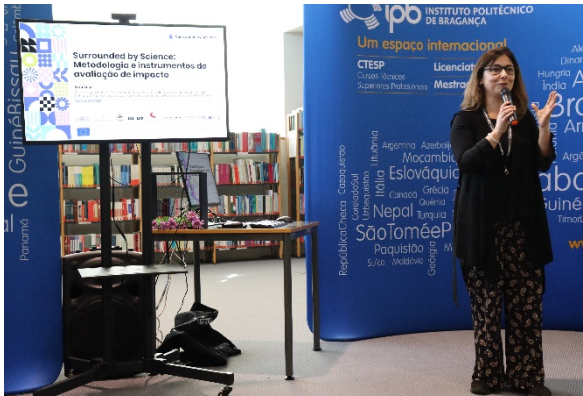
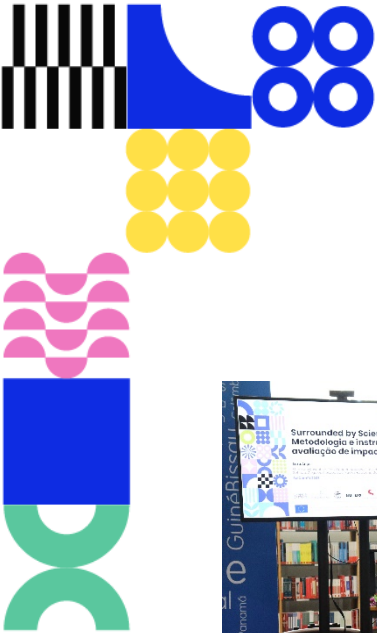
The annual congress of the [SciComPt](#) network was held in Bragança, Portugal, from 3rd to 5th May 2023. This year's edition gathered almost 200 participants from the community of science communicators and informal science educators operating in Portugal to discuss the latest trends, methodologies, and best practices. Around the theme "Transform", SciComPt 2023 included two presentations of the Surrounded by Science project.



Joana M. da Silva presenting "Strategic Communication in a European Project" at SciComPt 2023.

The first presentation, entitled "Strategic Communication in a European Project", was given by Joana M. da Silva, NUCLIO's Communication Coordinator. In her presentation, she highlighted the various communication strategies and tactics employed by the project to engage with its target audience and disseminate its message effectively. She emphasized the importance of defining clear communication objectives and adapting the communication plan accordingly to ensure the project's success.



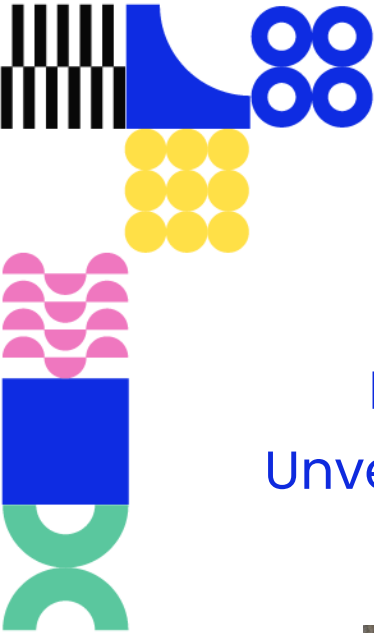


Sara Anjos presenting "Impact Assessment Methodologies and Tools" at SciComPt 2023.

In the second presentation, Sara Anjos, NUCLIO project manager, focused on the project's "Impact Assessment Methodologies and Tools", discussing the various tools and methodologies used to assess the impact of informal science activities, both during and after their implementation, introducing a glimpse of the [Science Chaser](#) application, an important output of the project that will monitor user science-related activities and provide guidelines and recommendations for future related activities. Both presentations were well received by the audience and prompted

interesting discussions around the topics of strategic communication and impact assessment in science communication projects. Surrounded by Science's participation in the SciComPt 2023 congress highlights the commitment of the whole team to continuous learning and improvement and their dedication to sharing their knowledge and experience with the wider community.





Exploring Geodiversity: An Exhibition Unveiling the Wonders of Geology in the Solar System

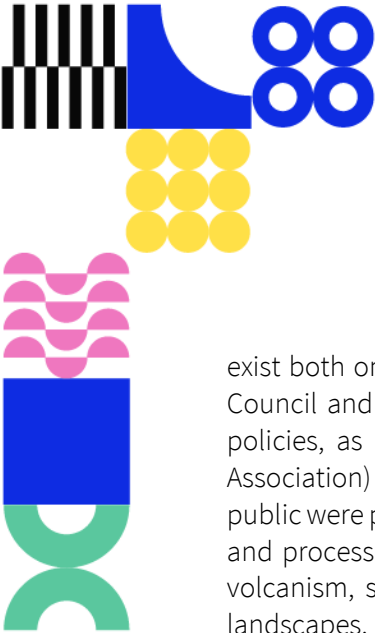


The Geodiversity in the Solar System exhibition, organized by the [Cascais Municipal Council](#) and NUCLIO, has captured the attention of science enthusiasts and the general public alike. This captivating event transformed the Estoril Maritime Walk in Cascais into an open-air gallery, inviting visitors to embark on a journey through the fascinating world of geodiversity. The exhibition, inaugurated on the 23rd of June, aimed to raise awareness about the geological wonders that shape our planet and extend our understanding of the solar system. As visitors strolled along the seaside promenade, they were treated to an immersive experience, delving into the diverse geological phenomena and structures that



Members of the NUCLIO team with Joana Balsemão, municipal councillor at the Cascais City Council, and members of the public. Photo Credit: NUCLIO





exist both on Earth and beyond. Joana Balsemão, the municipal councillor at the Cascais City Council and responsible for Environment, Decarbonization, and Citizenship and Participation policies, as well as members of the municipality, the [Associação Bandeira Azul](#) (Blue Flag Association) (which selected Geodiversity as this year's theme), the NUCLIO team, and the general public were present at the inaugural event. Geodiversity encompasses all the non-living elements and processes that constitute geological environments. From rocks, soils, rivers, and lakes to volcanism, storms, and sedimentation, these factors play a vital role in shaping our natural landscapes. They provide the foundation upon which biodiversity flourishes, creating the conditions necessary for life to thrive on Earth. Recognizing the significance of geological heritage and the need for its preservation, UNESCO established the World Network of Geoparks. These geoparks serve as guardians of our planet's geological wonders and promote sustainable development by fostering a harmonious relationship between nature and society.

The Geodiversity in Solar System exhibition expanded on this concept by offering a glimpse into the geodiversity of the entire Solar System, with a special focus on our own planet, which has been extensively studied. Visitors were presented with a series of captivating posters adorning the walls along the promenade, showcasing various geological phenomena and structures found not only on Earth but also on other planets and rocky bodies within our celestial neighbourhood. From the awe-inspiring impact craters dotting the surfaces of other planets to the volcanoes and hidden underground oceans, the exhibition shed light on the remarkable richness of geological diversity beyond our home planet.

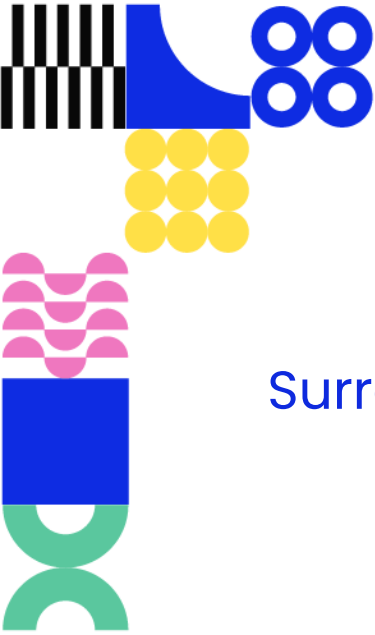


Opening session of the Geodiversity Exhibition.
Photo Credit: NUCLIO

The exhibition's opening marked an important milestone in the realm of science communication, exemplifying how science centres and museums can extend their reach beyond traditional walls, engaging the public in casual encounters with scientific knowledge. The Geodiversity in the Solar System exhibition serves as a testament to the power of scientific outreach and the allure of exploring our planet and the wider cosmos. It highlights geodiversity's vital role in fostering life on Earth and offers a glimpse into the geological wonders that lie beyond our familiar horizons. By promoting an understanding and appreciation of our geological heritage, events like these pave the way for a more sustainable and enlightened future.

You can find more information about this exhibition [here](#) and a video of the opening event [here](#).





Surrounded by Science Midterm Review Meeting

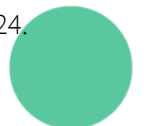


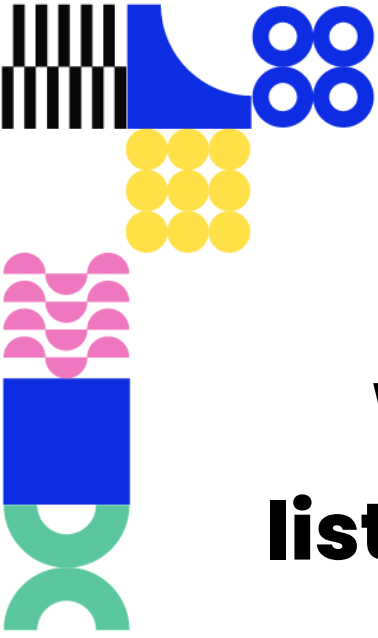
On 13 June 2023, the [Surrounded by Science](#) Midterm Review Meeting took place at the [University of Twente](#) in Enschede, the Netherlands, and online. It marked a significant milestone for the project, confirming the remarkable progress that the consortium has made towards achieving its objectives and producing useful research and practice-oriented results. Together with a preparatory meeting on the previous day, this opportunity brought together key consortium members to the premises of the coordinating institution, as well as some more members of the team attending online, with the aim to present the accomplishments of the first half of the project to the Project Officer and the external Expert assisting in the review procedure.

The meeting was organized around the different Work Packages that constitute Surrounded by Science. The work carried out in the first 18 months of the three-year project and the ongoing activities and plans for the next period were presented, followed by questions and discussion. The oral feedback from the Project Officer and the external Expert on that day, as well as the written Reviewed Report that followed, acknowledged the high quality and significance of the contributions of Surrounded by Science. At the same time, the midterm review of the project gave the consortium a good opportunity to reflect on, and present its work so far, and to receive very useful advice that will guide Surrounded by Science in the next phases up to its completion in September 2024.



Preparatory meeting at U. Twente



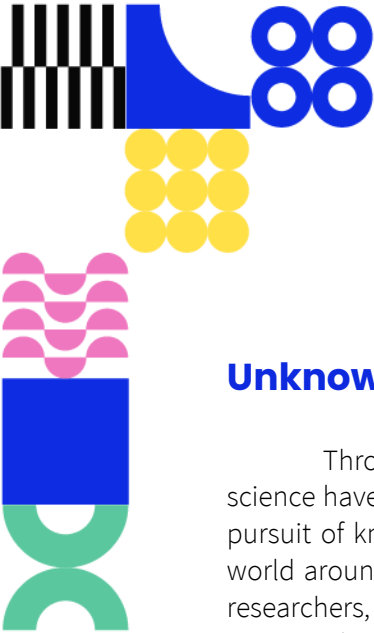


What we're reading, listening to and watching



A curated selection of reads, movies and videos, podcasts, and more on out-of-school STEM learning.





Unknown Figures of Science

Throughout history, there have been countless individuals whose contributions to science have gone unrecognized or overlooked. These unsung heroes, who worked tirelessly in pursuit of knowledge and discovery, played crucial roles in shaping our understanding of the world around us. From forgotten female scientists and marginalized minorities to anonymous researchers, the unknown figures of science have left indelible marks on the field despite receiving little or no recognition for their achievements. It is only through examining their stories that we can begin to appreciate the full extent of their impact on the scientific community.

READS

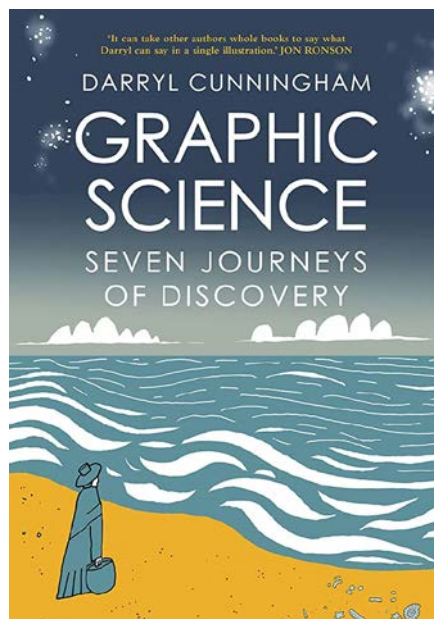
Graphic Science – Seven Journeys of Discovery

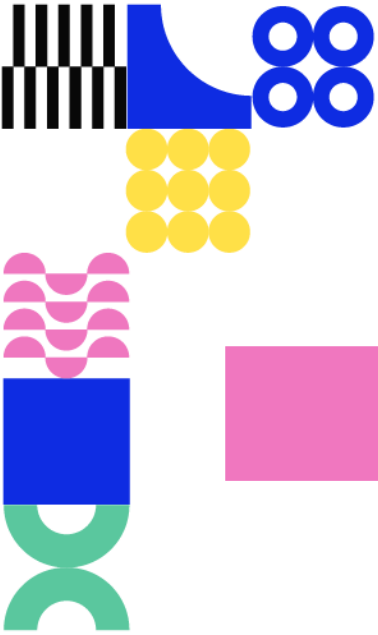
DESCRIPTION

Much is known about scientists such as Darwin, Newton, and Einstein, but what about lesser-known scientists – people who have not achieved a high level of fame, but who have contributed greatly to human knowledge? What were their lives like? What were their struggles, aims, successes, and failures? How do their discoveries fit into the bigger picture of science as a whole? Overlooked, side-lined, excluded, discredited: key figures in scientific discovery come and take their bow in an alternative Nobel prize gallery in a colourful novel by Darryl Cunningham.

ABOUT THE AUTHOR

Darryl Cunningham is the award-winning author of *Psychiatric Tales*, *Science Tales*, *Supercrash: How to Hijack the Global Economy* (a New York Times bestseller), and *Billionaires*, which won the Best Graphic Nonfiction category in the Broken Frontier Awards 2019. In 2015, he was one of 30 world-renowned photographers, painters, sculptors, writers, filmmakers and musicians who were invited to contribute to the Bill & Melinda Gates Foundation's Art of Saving a Life project, to promote vaccination in the developing world. In 2018, he was awarded an Honorary Degree of Master of Arts from Leeds Arts University.





PODCAST

Unsung Science with David Pogue



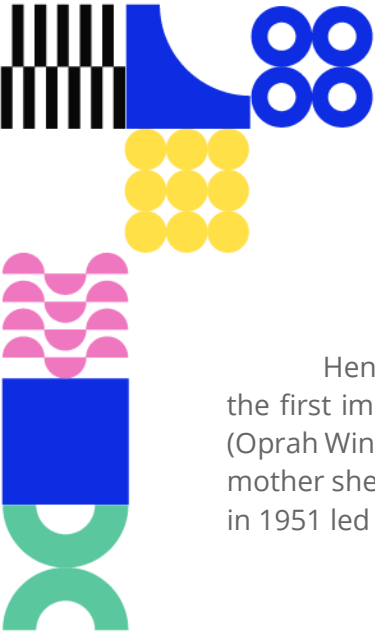
Hear the untold stories of mind-blowing achievements in science and tech. “CBS Sunday Morning” correspondent and six-time Emmy winner David Pogue takes you behind the scenes into the creation stories of the world’s greatest advances and the people behind them. From transportation, food, space, internet, and health, creators reveal their inspirations and roadblocks they encountered in bringing their breakthroughs to the public. Hear all-new episodes of the award-winning *Unsung Science* podcast every other Friday.

Listen [here](#).

VIDEOS

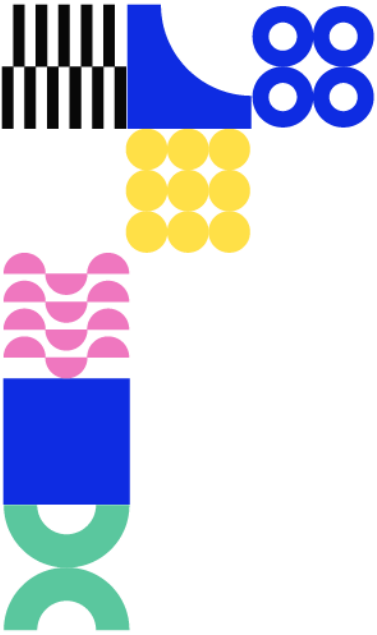
Movie | *The Immortal Life of Henrietta Lacks* (2017)





Henrietta Lacks was an African American woman whose cells were used to create the first immortal human cell line. Told through the eyes of Lack's daughter Deborah (Oprah Winfrey) and a journalist, the film chronicles Deborah's search to learn about the mother she never knew, and how the unauthorized harvesting of Lacks' cancerous cells in 1951 led to medical breakthroughs.





Contact us!

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