



Newsletter



Issue 12-13 Jan 2025

Editorial

Dear Reader,

In this issue of newsletter, highlights on the recent activities of the project in the last quarter of the year 2024 are presented. We wish to showcase, the project's progress and continued efforts to redefine cardiotoxic assessment by integrating innovative methodologies, enhancing chemical safety, and reducing reliance on animal testing.

We also endeavor to collaborate and contribute to the Green Deal Projects Support Office, which is providing a unique platform to share our advancements and fostering our reach to the broader community.

We are happy to announce the publication of our Success Story in the Research and innovation section of the European commission. Read about [our comprehensive "three-step approach" to improve the regulatory assessment of cardiotoxicity](#).

For frequent updates about our activities and results, follow us on [LinkedIn](#), [Twitter](#) and [YouTube](#)

Kind regards,
The ALTERNATIVE Project Team



ALTERNATIVE
Updates
Presented at GD



Health Cluster Meeting Nov

2024

On 8th Nov 2024, EU funded project ALTERNATIVE expert DI Dr. Martin Paparella, a MAS(TOX), ERT, MUI from the Regulatory Science Group at the Institute of Medical Biochemistry, Medical University Innsbruck, a partner in the Project ALTERNATIVE, shared the latest updates from the project at the GD Health Cluster Meeting. The purpose of this GD Health Cluster Meeting was to gather ...

[Read more.](#)

GREEN DEAL PROJECTS SUCCESS STORIES
FOOD AND HEALTH WORKING GROUP

ADVANCING OUR UNDERSTANDING OF CHEMICALS ON CARDIOVASCULAR HEALTH
October 2024

ABOUT THE ALTERNATIVE PROJECT
Every year, thousands of new chemicals enter the market, adding to a vast array already in use. However, only a small portion of these chemicals are subjected to thorough assessments of their toxicity, leaving many potential health risks unexplored, particularly in cardiovascular safety.

The ALTERNATIVE project addresses this gap by developing an innovative platform that enhances the assessment of chemical cardiotoxicity. This new approach enables regulators and industry stakeholders to identify and manage cardiotoxic risks more effectively, reducing reliance on animal testing and improving safety standards.

DESCRIPTION OF SUCCESS
ALTERNATIVE has successfully developed a comprehensive three step approach to advance the regulatory assessment of cardiotoxicity:

- Identifying current regulatory limitations.** There are significant gaps in cardiotoxicity assessment, such as the limited relevance of both animal-based and artificial methods.
- Collecting and integrating multiple lines of evidence** for heart failure caused by environmental chemicals using the Adverse Outcome Pathway (AOP) framework, which describes the pathways from chemical exposure to cardiac dysfunction.

ALTERNATIVE project
ALTERNATIVE focuses on developing new methods for the testing of chemicals' toxicity.
The project is developing a new approach which identifies the gaps in existing methods, and fills them with new systems and research.

#EUGreenDeal

Advancing our understanding of chemicals on cardiovascular health

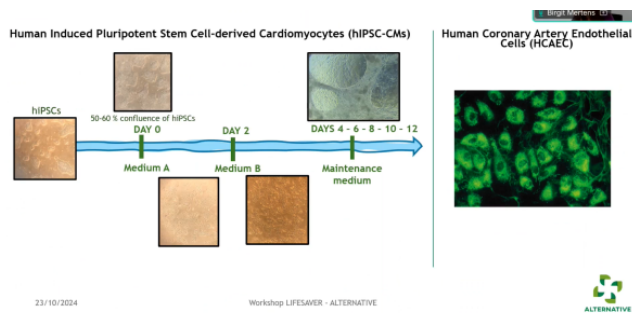
On 28th Oct 2024, EU funded project ALTERNATIVE Success story is published in the Research and innovation section of the European commission website via the Green deal Projects support

office. The success story covers how the project ALTERNATIVE addresses the challenge of assessments of chemicals based on their toxicity, potential health risks etc, particularly in cardiovascular safety and develops an ...

[Read more.](#)

ALTERNATIVE *In vitro* Model





EU-Funded projects ALTERNATIVE & LifeSaver Workshop

On 23rd Oct 2024, the EU-funded ALTERNATIVE project organized a workshop on "Regulatory Innovation and Health Safety" with its sister project: LifeSaver. Both the projects presented their ongoing work in the project while the discussions evolved around: Regulatory and Technological Innovation: How do your projects integrate technological innovations to contribute to regulatory advancements and enhance healthcare safety? Impact on Health Policies: ...

[Read more.](#)



Project ALTERNATIVE Consortium Gathers in Pisa for 7th Plenary

Meeting

The Project ALTERNATIVE consortium recently convened in the beautiful city of Pisa, renowned for its art, culture, and history, for their 7th Plenary Meeting. The event, hosted by CNR-IFC (National Research Council Institute of Clinical Physiology), it brought together partners to discuss progress and plan the project's next steps. Main highlights included: Interactive sessions: Each work package leader presented

[Read more.](#)



Project ALTERNATIVE at the 58th edition of EUROTOX Congress

The EU-funded Project ALTERNATIVE took center stage at the EUROTOX Congress 2024, themed “Toxicology – A Quest for Safe

Chemicals and Medicines.” The event brought together experts to explore critical topics such as drug and environmental chemical safety, emerging technologies, personalized medicine, and the health impacts of chemical exposure, including those linked to climate change. Key Contributions from Project ALTERNATIVE: ...

[Read more.](#)

Events in planning

ALTERNATIVE Advisory board meeting is planned on 10th Feb 25. This will be the last board meeting and will mainly focus on presenting the progress and implementation of ALTERNATIVE’s work as well as get advice on the ways for exploiting the ALTERNATIVE platform.

The ALTERNATIVE consortium will meet on 6/7th March in Brussels for their Plenary, kindly hosted by Sciensano. This Plenary will include a special session on "Policy briefing". For the same we plan to invite Project Officers, policy officers, other projects’ representatives. This is de facto a public event, but invitation to this virtual event will be strictly by invitation only. More details will be shared via our website and social media platforms!

The project plans to join forces and present the ALTERNATIVE work at the Peer-2-peer session with the Health WG on the Non testing methods policy developments with the goal to exchange knowledge among projects (and

stakeholders) working on similar topics. This will include exchange with policy officers from Commission's institutions and with other EC-funded projects in these online sessions!

A webinar to present the final outcomes/results of the ALTERNATIVE project is being planned, this will also include presentations from related GD sister projects in the cluster. If you are a GD sister project and interested then let us know. We will share further information with you!

If any of above interests you, then get in [touch with us](#) for further details on registration!



Acknowledgement

ALTERNATIVE has received funding from the European Commission under the European Union's Horizon 2020 programme – grant agreement number 101037090. The European Union has no responsibility for the content of this newsletter.

Imprint

Editor and responsible according to German law:

Pooja Mohnani, Eurescom GmbH, Wieblinger Weg 19/4, 69123 Heidelberg, Germany, phone: +49 1706343845, e-mail: contact@alternative-project.eu

© 2025 ALTERNATIVE Project Consortium Partners. All rights reserved
