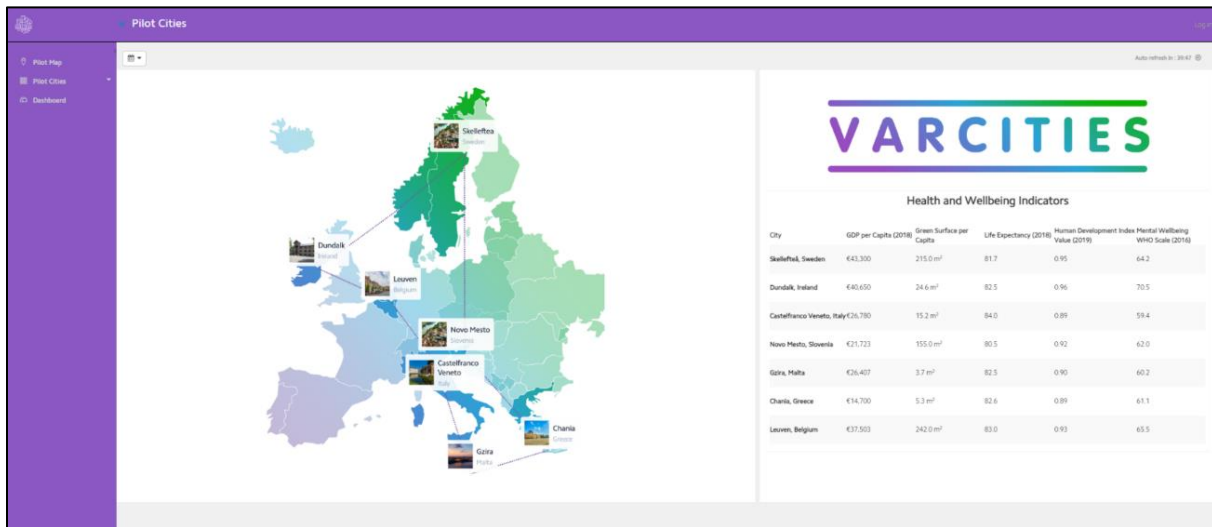




Launch of VARCITIES Health & Well-Being Platform

Today 4th April 2024, VARCITIES announces the public launch of its **Health and Well-being (H&WB) Platform**. At the heart of the VARCITIES project, this platform acts as a dynamic bridge connecting the tangible reality of seven pilot sites with their digital twins, offering users a seamless, user-friendly experience.



H&WB Platform Landing Page

Blending the physical and digital, **VARCITIES H&WB Platform** acts as a conduit between the real world of the pilot sites and their digital representation in a comprehensive, user-friendly and interactive experience.

Discover more: <https://varcities.eu/resources/hwb-platform/>



This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 869505.

Developed by partner Integrated Environmental Solutions, **VARCITIES H&WB Platform** seamlessly integrates data from of each VARCITIES pilot site and relays time-series environmental data and user feedback through interactive dashboards and insightful 3D renders.

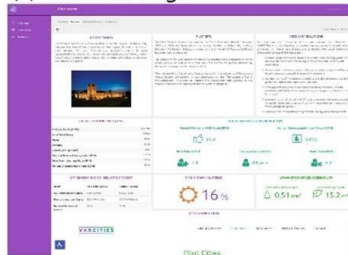
VARCITIES H&WB platform acts as a digital window into the past, current, and future pilot site activity via an interactive dashboards and insightful 3D renders across the VARCITIES pilot sites.

Key features

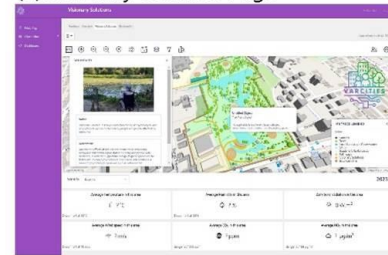
(1) Landing Page



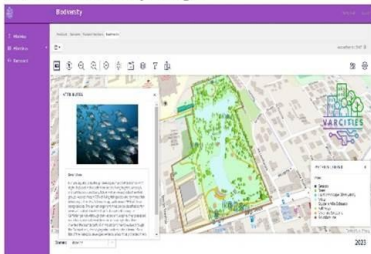
(2) Overview Page



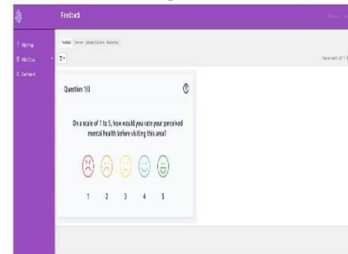
(3) Visionary Solution Page



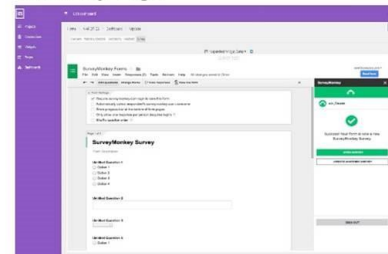
(4) Biodiversity Page



(5) Feedback Page



(6) Survey Page



Landing Page Map: An interactive map providing an overview of all pilot sites with macro information for each.

Pilot Overview Page: Contextual details about the site and its local environment.

Visionary Solutions Page: Comprehensive descriptions, images, and 3D renders of Visionary Solutions (VS).

Biodiversity Page: A showcase of local flora and fauna species.

Feedback and Survey Pages: Platforms for user feedback and fulfilling Key Performance Indicators (KPIs).

Time-series Data: Real-time data from sensors installed across pilot sites



Purpose and Functionality

Designed to facilitate data extraction from pilot sites, the **H&WB Platform** empowers project partners and external users to contribute to both internal and external research in Europe. The **H&WB Platform** features several **Dashboards** that relay a variety of information, including time-series data from sensors, digital illustrations, and comprehensive information on each pilot site.



Castelfranco Veneto (Italy)



Chania (Greece)



Dundalk (Ireland)



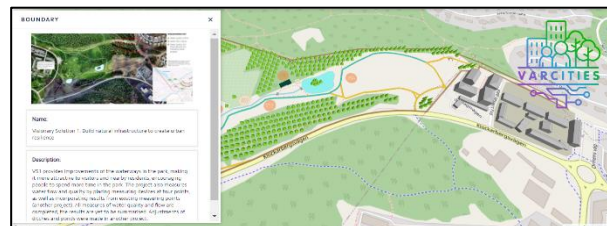
Gzira (Malta)



Leuven (Belgium)



Novo Mesto (Slovenia)

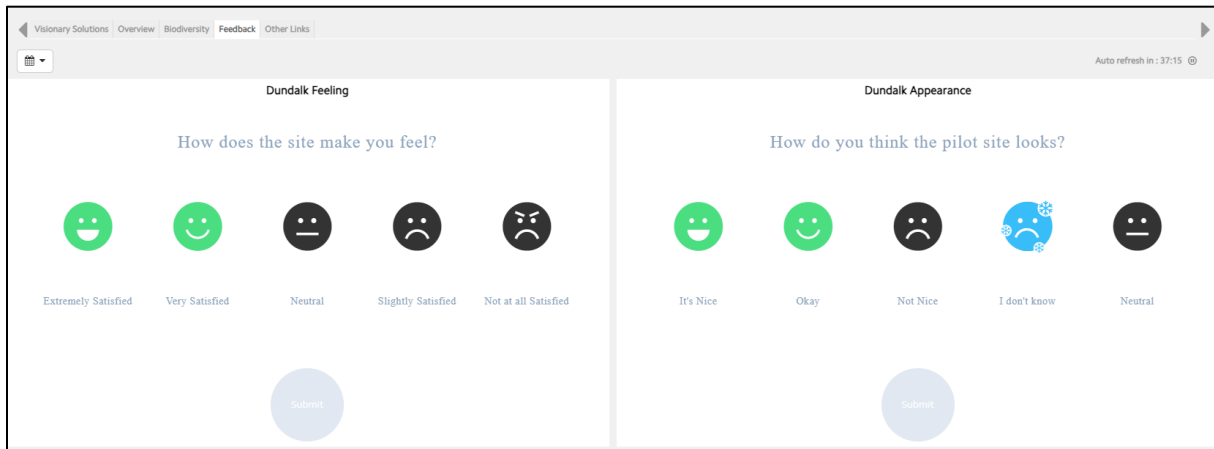


Skellefteå (Sweden)

The Platform also provides users with insights into each of the **28 Visionary Solutions (VS)** implemented across the seven Pilot sites, and directly informs them on the current conditions of the different Pilot sites. These insights include text and VS digital renders (3D models of the VS) geolocated on each site digital twin which illustrates future development of nature-based solutions for each site. Pilot-specific information is available in the respective language of each pilot.



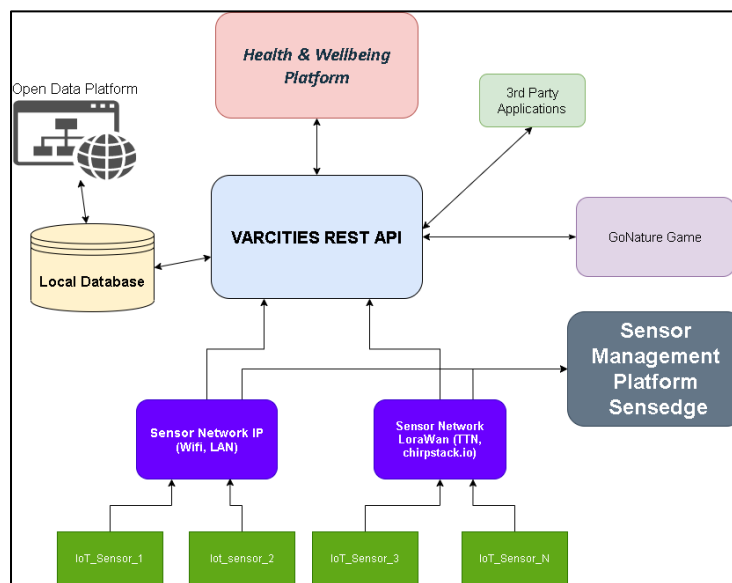
The **H&WB Platform** can receive information from the user who input their experience via survey questions which provides insights into user experience in each Pilot site, fostering a collaborative and insightful community.



Dedicated user feedback page enables participants to share their experiences

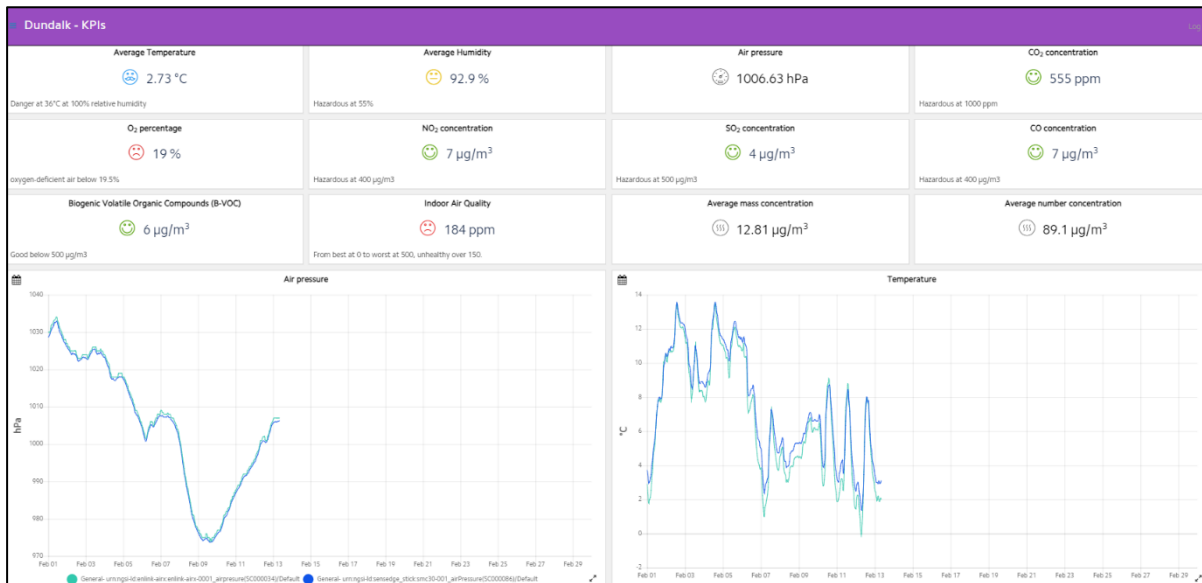
Development and Operation

VARCITIES **H&WB Platform** originated from the project's vision to implement and monitor nature-based actions in seven Pilot cities. A first prototype iteration of the platform was developed in 2022 and integrated into VARCITIES digital architecture, with the **VARCITIES Rest API** serving as the main conduit for all time-series data generated by sensors installed across all Pilot sites.



VARCITIES IT ARCHITECTURE

These data are pulled into the H&WB platform and feed each of the pilot sites bespoke **KPIs Dashboards** that record the environmental seasonal flux of each site while communicating this environmental flux in a user-friendly medium (3D renders and dashboards) for the public and internal users.



KPIs Dashboard (Dundalk)

Usage and Users

Researchers, local authorities, and citizens alike can harness the power of the **H&WB Platform**. Specifically, researchers and authorities can utilize real-time data to guide local climate policies, while citizens can gain insight into nature-based solutions and express feedback on each pilot site. VARCITIES Pilot Cities can leverage the platform to check real-time data, guide local climate policies, and uphold standards in line with the project's goals.

Link to VARCITIES H&WB Platform: <https://varcities.eu/hwb-platform/>

VARCITIES H&WB Platform emerges as a vital tool for greener, healthier cities, fostering collaboration and understanding among stakeholders.

Stay tuned for the next updates on the project!

<https://www.varcities.eu/>



More information



In January 2024, VARCITIES partners published together an article exploring how integrating green initiatives with smart technology can transform urban living, enhancing the health and well-being of our communities.

Link: <https://varcities.eu/article-the-intersection-of-the-green-and-the-smart-city-a-data-platform-for-health-and-well-being-through-nature-based-solutions/>



VARCITIES Deliverables 5.8 details the development of the platform and the IT architecture behind it to ensure that all the different components developed within the project are interoperable and work together flawlessly to feed into VARCITIES Health & Well-Being Platform.

Link : <https://varcities.eu/resources/deliverables/d5-8-varcities-hwb-platform-final-live-data/>

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For any inquiries contact@varcities.eu

About VARCITIES

Officially started in September 2020, the EU-funded project VARCITIES aims to implement real, visionary ideas and to add value by establishing sustainable models for increasing the health and well-being of citizens who are exposed to diverse climatic conditions and challenges in and around Europe.

Article 29.5 Disclaimer

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