

Pilot Cities

Luxembourg

RTL Luxembourg Pilot

Pilot City Activities

CityCLIM Pilot LUX



What is CityClim?

CityCLIM is a European Union-funded project designed to develop an open platform for climate information and mitigation services. It integrates data from Earth observation sources, ground measurements, and urban weather prediction models to provide detailed weather forecasts for various European cities. The project acknowledges the significant impact of climate change on urban life, particularly the Urban Heat Island (UHI) effect, and addresses these challenges through mitigation and adaptation strategies.

Generic City Climate Platform (GCCP)

The Generic City Climate Platform (GCCP) is a Software-as-a-Service (SaaS) solution developed as part of the CityCLIM project to provide climate adaptation and mitigation services for cities. It **integrates diverse climate data sources, including ground measurements, airborne and satellite data, to offer an advanced urban weather model.** The platform serves as a one-stop shop for City Climate Services, helping both city administrations and citizens understand, predict, and respond to climate-related challenges.

- Services**
- **Citizen Climate Knowledge Services (CCKS):** A public service that informs, warns, and engages citizens on climate change and extreme weather events, encouraging awareness and adaptation.
 - **City Administration Services:** A decision-support tool for city planners and policymakers to analyze, simulate, and implement sustainable urban climate strategies.

INFORM CITIZENS ON CLIMATE CHANGE

WARN CITIZENS ON ARISING HAZARDS

ONE-STOP SHOP FOR CITY CLIMATE SERVICES

SUPPORT MITIGATION & ADAPTATION STRATEGIES

ADVANCED URBAN WEATHER MODEL

ADVANCED URBAN WEATHER MODEL

CityCLIM



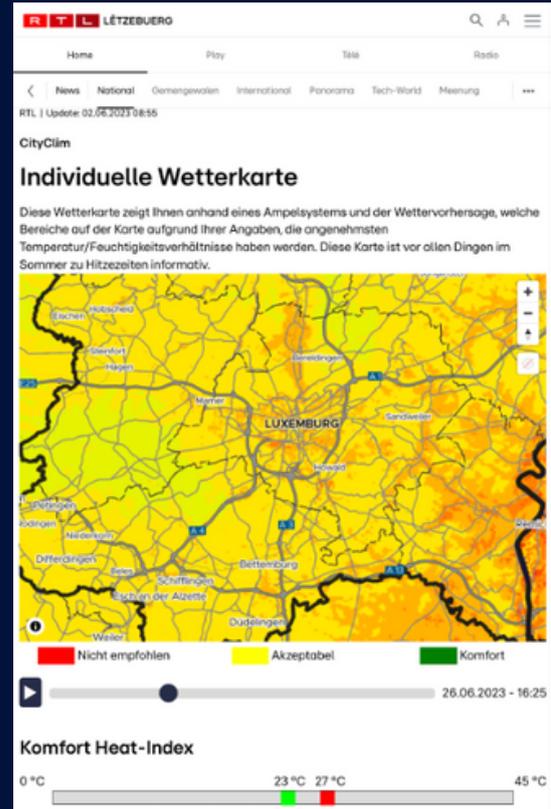


CityCLIM Pilot Luxembourg

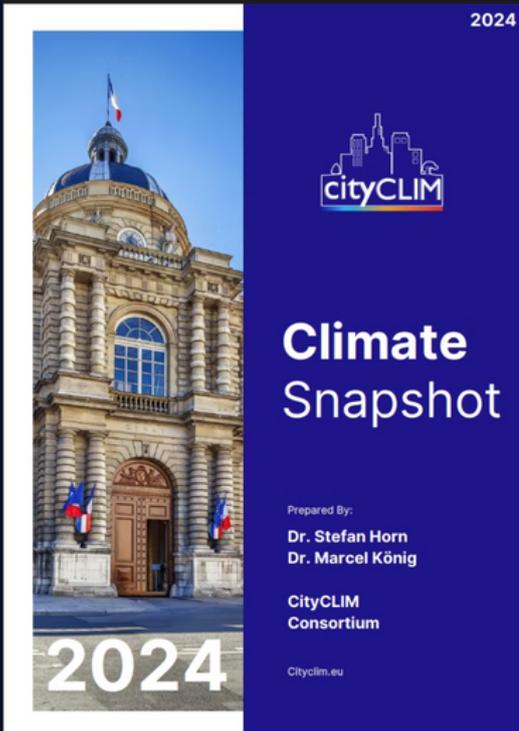
RTL Luxembourg has partnered with the City of Luxembourg in a significant initiative aimed at improving climate monitoring and increasing public engagement around local weather conditions. This collaboration focuses on expanding the city's network of weather sensors and enhancing the dissemination of climate-related information to the public.

As part of the collaboration, RTL Luxembourg played a pivotal role in helping the city organize and install several additional weather sensors across key locations. These sensors provide valuable data on local weather conditions, particularly during periods of extreme heat. This expanded network of sensors is crucial for collecting real-time environmental data, which will inform both city planning and public safety efforts, particularly in the face of rising temperatures and climate change impacts.

Beyond assisting with the sensor installations, RTL Luxembourg took on a leading role in sharing the project's results with the public. Through their media expertise, they produced a variety of videos and broadcast articles that aired on TV, providing in-depth coverage of the project's developments and highlighting the importance of climate monitoring. These broadcasts helped raise public awareness of the city's efforts to tackle climate challenges and underscored the importance of staying informed about local weather conditions.



Weather Sensation Service



Climate Report done based on CityCLIM results for the Pilot City of Luxembourg



Barani weather station installed in Luxembourg for the UltraHD modelling.

RTL has together with the City of Luxembourg installed several sensors according to WMO-guidelines within the city to enhance the quality and density of in-situ measurements. Through this collaboration, RTL Luxembourg has not only contributed to improving the city's climate resilience but also played an essential role in ensuring that citizens remain informed and engaged. Their efforts in both expanding the weather sensor network and disseminating critical climate information demonstrate their commitment to supporting the City of Luxembourg in its mission to create a safer, more climate-conscious community.

Further Information: <https://today.rtl.lu/info/weather>



This project has received funding from the European Union's Horizon 2020 research and innovation program under grant agreement No. 101036814. This website reflects the views only of the Consortium, and the Commission cannot be held responsible for any use which may be made of the information contained herein.

RTL Luxembourg dissemination

As a media partner, RTL Luxembourg played a crucial role in enhancing public engagement and interaction within the CityCLIM project. While we did not directly act as a scientific partner, RTL leveraged their strengths in media outreach to maximize the project's visibility and encourage public participation. One key element was the integration of the Heat Sensation Map into RTL's weather section, allowing for real-time user feedback and immediate interaction with the data. Given RTL Luxembourg's extensive reach, particularly within the Luxembourgish audience, we were able to gather rapid responses and insights from the public, further contributing to the project's development.



One of several TV reports about the CityCLIM activities on RTL Luxembourg.

Additionally, in collaboration with the city of Luxembourg and private stakeholders, we identified and established ten new monitoring locations across Luxembourg. Two additional sites were designated specifically for wind, improving local data collection and enhancing the project's meteorological accuracy. These new stations not only benefit CityCLIM but also provide valuable data for the city's environmental monitoring efforts.

From a personal perspective, producing video content for CityCLIM allowed me to gain an in-depth understanding of the project. Regular interactions with various partners and stakeholders throughout the production process gave me firsthand insights into the project's methodologies, goals, and impact.



Several demonstration videos have been created in the various Pilot cities by RTL Luxembourg

RTL Luxembourg's Role in Disseminating CityCLIM's Project Results

RTL Luxembourg significantly contributed to raising public awareness and disseminating CityCLIM's findings by producing and broadcasting multiple climate-focused videos and articles.

- Expanded Climate Monitoring: Partnered with the City of Luxembourg to install additional weather sensors, improving real-time data collection.
- Produced Dissemination Videos: Created TV segments showcasing CityCLIM's progress, making climate insights accessible to the public.