

Gieß den Kiez



A project of CityLAB Berlin

What is Gieß den Kiez?

The project *Gieß den Kiez* (“Water the neighborhood”) supports the **city administration** and **dedicated citizens** in coordinating the **watering of Berlin’s urban trees**. A map-based web application that has attracted an **ever-growing volunteer community**, it has been maintained by **CityLAB Berlin** since **May 2020**, when CityLAB first launched the website. The project aims to make a long-term contribution to the **preservation of green infrastructure in urban contexts** and provide an **answer to the impact of climate change in the city**. The interactive map currently shows **more than 839,000 trees along streets and green spaces in Berlin** (as published in the Berlin tree register as of February 2024), including information on **individual trees’ water requirements, age and species**; the website also offers data on precipitation levels over the last 30 days. Citizens can use *Gieß den Kiez* to find out about the trees in their neighborhood, enter how much they have watered and when, and adopt trees. The platform currently has more than 3,700 active users and approximately 7,800 adopted trees; additionally, it has recorded more than 1.9 million liters of water provided to trees by local residents since the platform was first established (figures as of February 2024). All current figures relating to *Gieß den Kiez* can be viewed on this [Grafana dashboard](#).

What data and technologies does Gieß den Kiez use?

The data for the application is based on the **publicly accessible city tree register**, weather data from the German Weather Service, and **the locations of public water pumps in Berlin** as captured by OpenStreetMap. Modern web technologies such as JavaScript, NextJS, PostgreSQL and Python are used to process the data. In line with the lab’s prototypical approach, CityLAB Berlin is **continuously improving** the functionality of *Gieß den Kiez* **based on feedback from end users**. This ensures the best possible user experience and presentation of the associated data.



Can Gieß den Kiez be adapted by other cities?

Gieß den Kiez is available as open **source code on GitHub** under the MIT license, so it **can be adapted free of charge** by any municipality that provides an openly available, regularly maintained tree register. One successful example is the city of Leipzig: the website “**Leipzig Gießt**” was **established in spring 2021 based on the *Gieß den Kiez* source code**. The city of Magdeburg launched “**Magdeburg Gießt**” in **May 2023** and has since been working on its own platform, also involving developers from Münster and the CityLAB team. Other cities in Germany as well as other countries continue to show interest in creating their own applications based on the *Gieß den Kiez* model. **CityLAB offers other cities advice on how to best adapt the platform to new local contexts** and is able to draw on years of experience working on volunteer-led projects as well as working closely with **public administration, civil society and nature associations**.

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About CityLAB Berlin

CityLAB is Berlin's public innovation laboratory. At the interface of urban society, public administration, the private sector and academia, we tap into the potential of digitalization to promote hands-on, impact-oriented urban development that is geared towards the common good. CityLAB is operated by Technologiestiftung Berlin and funded by the Berlin Senate Chancellery.

Links to further information

[To the project](#)

[Current numbers](#)

[See Open Source Code](#)

[To the photo selection](#)

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