FLOODLABEL

FLOODLABEL: A smart tool for governance towards flood-resilient cities

Programm / Ausschreibung	ENERGIE DER ZUKUNFT, JPI Urban Europe, ERANET Co-fund Smart Cities/Urban Futures 2014/15	**Status**	abgeschlossen
Projektstart	01.04.2017	**Projektende**	31.03.2020
Zeitraum	2017 - 2020	**Projektlaufzeit**	36 Monate
Keywords	flood-resilient city; adaptation measures; urban living labs; innovative smart governance tools; involvement homeowners		

Projektbeschreibung

Flooding is among the most expensive natural disasters in Europe. Extreme hydro-meteorological events will likely increase in the future due to climate change. This impacts the flood-resilience of cities. The central aim of the FLOODLABEL project is to improve resilience and adaptive capacity of cities in a smart manner to sustain urban living in Europe. While adaptation measures to reduce the impact of flooding exist, homeowners insufficiently implement them due to their lack of risk awareness and knowledge of measures and triggers to take action. With the creation of the FLOODLABEL prototype as a new geo-technology and ICT-supported instrument, both private stakeholders and civil society can be involved in decision-making processes to create more resilient cities and regions. The urban living labs conducted in this project contribute to identifying practices towards sustainable urban futures and ensuring favourable long-term livelihoods and quality of life. The living labs in the Netherlands, Belgium, and Austria are sites in neighbourhoods that can be affected by different types of flooding. In these areas, the FLOODLABEL is explored and tested in terms of its social and technical innovation functionality and acceptance in real time and in integrated ways. This provides the basis for a European FLOODLABEL.

Abstract

Flooding is among the most expensive natural disasters in Europe. Extreme hydro-meteorological events will likely increase in the future due to climate change. This impacts the flood-resilience of cities. The central aim of the FLOODLABEL project is to improve resilience and adaptive capacity of cities in a smart manner to sustain urban living in Europe. While adaptation measures to reduce the impact of flooding exist, homeowners insufficiently implement them due to their lack of risk awareness and knowledge of measures and triggers to take action. With the creation of the FLOODLABEL prototype as a new geo-technology and ICT-supported instrument, both private stakeholders and civil society can be involved in decision-making processes to create more resilient cities and regions. The urban living labs conducted in this project contribute to identifying practices towards sustainable urban futures and ensuring favourable long-term livelihoods and quality of life. The living labs in the Netherlands, Belgium, and Austria are sites in neighbourhoods that can be affected by different types of flooding. In these areas, the FLOODLABEL is explored and tested in terms of its social and technical innovation functionality and acceptance in real time and in integrated ways. This provides the basis for a European FLOODLABEL.

Projektpartner

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