

# FLANDERS USE CASES

CONTENT FROM DELIVERABLE D2.2 – SCENARIO SPECIFICATIONS OF THE DUET PROJECT



# 01: MOBILITY

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HOW MIGHT WE BETTER UNDERSTAND THE MOBILITY STREAMS IN FLANDERS, IN FLEMISH CITIES AND NEIGHBOURHOODS TO GET A BETTER VIEW OF THE MOBILITY IMPACT ON CITIZENS' LIVES?

HOW MIGHT WE MEASURE THE IMPACT OF THE IMPLEMENTATION OF MOBILITY-RELATED MEASURES AS LOW EMISSION ZONES, PARKING SCHEMES, AND ROAD CLOSURES/REDIRECTIONS ON HOW CITIZENS MOVE IN CITIES?

**As a public servant** in the mobility department and spatial planning department, I want to have insights in the mobility flows and on how changes in the traffic flows influence mobility

**As a citizen** I want to have an idea about the mobility flows in my city and neighbourhood.

**As a public servant** of the mobility and the environment protection department, I want to know the impact of the implementation of a low emission zone on mobility and air quality.

**As a public servant** of the mobility department and economic department, I want to know the impact of a new parking policy on the cities' mobility and economy.

**As a public servant** of the mobility department, spatial planning department and environmental department, I want to know the impact of road closures, road redirections in the city and more specifically in neighbourhoods.

**As a citizen** I want to know the impact of mobility-related measures in my city and neighbourhood.

# 02: HEALTH & ENVIRONMENT

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HOW MAY WE MEASURE, SIMULATE AND UNDERSTAND THE IMPACT OF NOISE AND AIR POLLUTION TO IMPROVE THE LIVING ENVIRONMENT OF CITIZENS?

HOW MAY WE INFLUENCE THE DESIGN OF PUBLIC SPACE, CLIMATE AND WELL-BEING OF CITIZENS?

HOW MAY WE GUIDE CITIZENS, ESPECIALLY VULNERABLE ROAD USERS, IN AN EFFICIENT WAY ALONG THE MOST ENVIRONMENTALLY FRIENDLY AND SAFE ROUTES TO IMPROVE PEOPLE'S HEALTH

**As a public servant** of the mobility and environment protection department, I want to know the level and impact of air and noise pollution, the reasons and the impact on citizens well-being in the city.

**As a citizen**, I want to know the level and impact of air and noise pollution, the reasons and the impact.

**As a public servant** from the spatial planning department and environment protection department, I want to create green spaces that create a healthy climate and better well-being for citizens

**As a citizen**, I want to have qualitative and healthy public spaces in my city and neighbourhood. I also want to support co-creating those spaces.

**As a public servant** from the mobility, spatial planning, safety and environment protection department, I want to provide routes that citizens and especially vulnerable road users can use to travel in a healthy and safe way.

**As a citizen**, I want cyclists and pedestrians to travel through the city in a healthy and safe way.

# 03: SPATIAL PLANNING

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HOW MIGHT WE MEASURE, SIMULATE AND UNDERSTAND THE IMPACT OF NEW CITY DEVELOPMENTS AS NEW BUILDING DEVELOPMENTS AND (ATTRACTING) NEW ACTIVITIES ON CITIZENS' LIVES?

**As a public servant** of the planning department, mobility and environment protection department, I want to have insight into the impact of new city developments for the region, city and neighbourhood from different perspectives. (spatial impact, environmental impact, mobility impact)

**As a public servant** from the spatial planning and economic department, I want to match the demand and supply for (public) space and organize match making to counter vacancy and impoverishment.

**As a citizen**, I want to know the impact of new city developments, and I want to participate and co-create to mitigate the impact of different strategic plans.



# 04: PUBLIC SAFETY

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HOW MIGHT WE FORESEE APPROPRIATE SAFETY MEASURES ON THOSE PLACES WITH A HIGHER OFFENCE OR CRIME RATE TO IMPROVE CITIZENS' SAFETY?

HOW MIGHT WE MEASURE, SIMULATE AND UNDERSTAND THE IMPACT OF ROAD INFRASTRUCTURE MEASURES AND SPEED-REDUCING MEASURES ON TRAFFIC SAFETY? (PUBLIC SAFETY 2)

**As a public servant** from the safety department, I want to know if the safety measures in my city are in line with those places with the highest chance for certain offences/crimes.

**As a policeman**, I will be able to improve safety in the city on an efficient basis with respect to the law and with respect for the people's privacy.

**As a public servant** of the mobility and public works department, I want to know how we can improve traffic safety in the most efficient way.

**As a citizen**, I want to know what are the safest routes especially for vulnerable road users and what measures are planned to improve safety.

**As a policeman**, I will have better insights into roads and crossings with potential safety issues caused by inappropriate driving behavior to prevent infringements.