

## ENERGY PRODUCTION AND CONSUMPTION

### Goals 2030

Energy use efficiency will have increased at least by 15 % and production by 5 % compared to the level in 2015.

Share of renewable energy in production will have increased at least by 50 % compared to the year 2015.

Kuopio area will have a comprehensive network of public charging stations for electric vehicles and several biogas filling stations.

Kuopio will offer a remarkable concentration of expertise and research in resource wisdom.

### Vision 2050

All energy will be generated from renewable and carbon neutral resources.

## CITY MOBILITY AND COMMUNITY STRUCTURE

### Goals 2030

Kuopio will be the best city for electric biking in Finland.

Volume of soft traffic will have increased.

Low-emission travel chains will be operating smoothly in the long-distance, regional and urban/suburban traffic.

Peak traffic periods will have been moderated.

Residential areas will be thriving due to the properly functioning local services and inspiring, welcoming environment.

### Vision 2050

Zero-emission traffic and general well-being will be supported by the community structure.

## CONSUMPTION AND MATERIAL CYCLES

### Goals 2030

Activities and procurement in Kuopio will be resource wise: consumption will be directed to experiences and services, and the forms of shared use will have increased.

Kuopio will have an innovative park/ concentration of circular economy, and this will be supported by land use planning.

Materials will be recycled in construction and civil engineering planning and implementation.

Information on waste generation rates, proper sorting, and impact of recycling will be clearly visible, and it will guide the activities. Materials will have been sorted adequately for recycling and other re-use.

Planning and design of facilities will be based on flexibility for changes and on efficiency of use. Environmental burden of buildings will have been minimised, and their life cycle will be at least 100 years.

### Vision 2050

Material will be recycled as material, no waste will be generated, and the incineration of waste will have been minimised. Consumption will be directed to experiences and services. Facilities will be used 24/7.



## FOOD PRODUCTION AND CONSUMPTION

### Goals 2030

New, environmentally friendly and healthy sources of protein produced in Savo like fava bean, freshwater fish, milk, and high-quality meat will be increasingly used.

Locally-grown and organic food from the Savo region will be well-known and widely enjoyed.

Kuopio area will be an internationally recognised gastronomic tourist attraction.

Food losses will have been halved by 2030.

Closed energy and nutrient cycles in food production, preparation and consumption.

### Vision 2050

Kuopio area will produce and process delicious, healthy, and high-quality food in an environmentally friendly way.

## NATURAL WATERS AND USE OF WATER

### Goals 2030

Easily accessible clean natural waters will be an asset for tourism and a source of well-being for the inhabitants.

People in Kuopio will be water-responsible in their actions.

A strong international expertise in water management combined with extensive collaboration will have created successful business.

### Vision 2050

Kuopio will be internationally recognised for its nature- and water-based tourism, thus being an international centre of expertise in water management.

## WELL-BEING THROUGH NATURE

### Tavoitteet 2030

Conservation and promotion of biodiversity and natural variety will be daily concerns in all planning and construction.

Kuopio will be able to boast of the most attractive nature-based recreation services in Finland.

Inhabitants of Kuopio will have found nature and outdoor activities as a diverse source of health and happiness.

Kuopio will be the leading city in Finland with regard to promoting nature-based well-being and environmental education.

Kuopio will be internationally well-known for its sustainable nature tourism.

### Vision 2050

Attractive nature rich in biodiversity will be easily accessible and provide well-being for the inhabitants and opportunities for businesses.

