


A scenic view of a city skyline, likely Chicago, reflected in a calm body of water. In the foreground, there is a paved path with a person pushing a stroller, and lush green trees and grass. The sky is overcast with grey clouds. The text 'Welcome to 2050!' is overlaid in a large, white, serif font.

Welcome to 2050!

The European Green Deal was a success –
what was our contribution?

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- The background features a light gray surface with abstract, wavy, dashed lines in a muted blue color. Two white circles are partially visible: one in the top-left corner and another in the bottom-right corner.
- + Welcome to the year 2050. The world has changed a lot during the last 27 years. The European Green Deal has truly transformed the EU into a more resource-efficient and competitive economy
 - + NMCA's and other data-provider organisations has contributed the change by providing interoperable data and cross-border digital services, which helped to build up energy efficient buildings, develop public transport, produce cleaner energy, and support globally competitive and resilient industry.
 - + **How did we do it?**
 - + Let's take time to thinks about all the things we did together for almost 30 years. As we remember it was May 2023 when we agreed to build up a network together...

This is 2050

POPULATION IS CONCENTRATED

Now 70% of the world's population will live in cities. Migration from rural areas to cities is continuing. In more remote regions the population has decreased and the young people are living mostly in the cities.

EVERYTHING IS RE-USED

Circular economy makes use of existing resources as efficiently as possible, such as by keeping products and materials in productive circulation for as long as possible. The circular economy is about new economic operating models and services, in which new technology plays a key role.

DATA IS THE FUEL

Data is increasingly collected in different environments. Digital twins created on the basis of collected data, such as simulations of industrial equipment, are usual and facilitate the provision of maintenance services and production efficiency.

TRUE DATA ECONOMY

The data economy was growing exponentially and it still does. Web 3.0 – blockchains, the metaverse, data growth, open interfaces and decentralized services – changed the way we operate in information networks.

GOOD BYE TO NON-RENEWABLE ENERGY

Geopolitical tensions and climate targets accelerated the energy transition and the shift to renewable energy sources. Solar and wind power are widely used and battery technology related to the storage of solar and wind electricity has developed massively. Hydrogen is used as a major form of energy in industry as well as heavy traffic. More and more people produce energy and sell what they have left over.

TRANSFORMATION OF WORK

Technology developed rapidly, changed production methods and operating models. Things were automated, production and operations were decentralised, and interaction takes place more or less remotely or in a virtual environment.

Discussion groups



**GROUP 1: CITIES ARE
GREEN IN 2050**



**GROUP 2:
TRANSPORTATION IS
GREEN IN 2050**



**GROUP 3 ENERGY
PRODUCTION IS GREEN
IN 2050**



**GROUP 4 BIODIVERSITY IS
PROTECTED IN 2050**

Instructions

- + Think about the change alone for a while (read, write)
- + Discuss together
- + Collect your ideas, discussions and keypoints
- + Make sure everyone is participating to the discussion
- + Be positive and have fun:
 - + What changed, how and what was our role in this change?
 - + Produce 5 min presentation