



14 May 2020

NRC Mitigation of Air Pollution  
and Climate Change

# Recent and on-going EEA activities

Catherine Ganzleben







# The European environment – state and outlook 2020



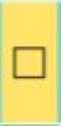








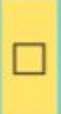
Knowledge for the transition to a sustainable Europe

Published 4 December 2019 <https://www.eea.europa.eu/soer/2020>



# Air pollution – thematic assessment

## Thematic summary assessment

Theme	Past trends and outlook		Prospects of meeting policy objectives/targets	
	Past trends (10-15 years)	Outlook to 2030	2020	2030
Emissions of air pollutants	 Trends show a mixed picture	 Trends show a mixed picture	 Largely on track	 Partly on track
Concentrations of air pollutants	 Improving trends dominate	 Trends show a mixed picture	 Largely not on track	 Largely on track
Air pollution impacts on human health and well-being	 Improving trends dominate	 Trends show a mixed picture		 Largely on track
Air pollution and impacts on ecosystems	 Trends show a mixed picture	 Trends show a mixed picture	 Partly on track	 Partly on track

<https://www.eea.europa.eu/soer/2020>

# Sustainable mobility

The first and last mile — the key to sustainable urban transport  
Transport and environment report 2019

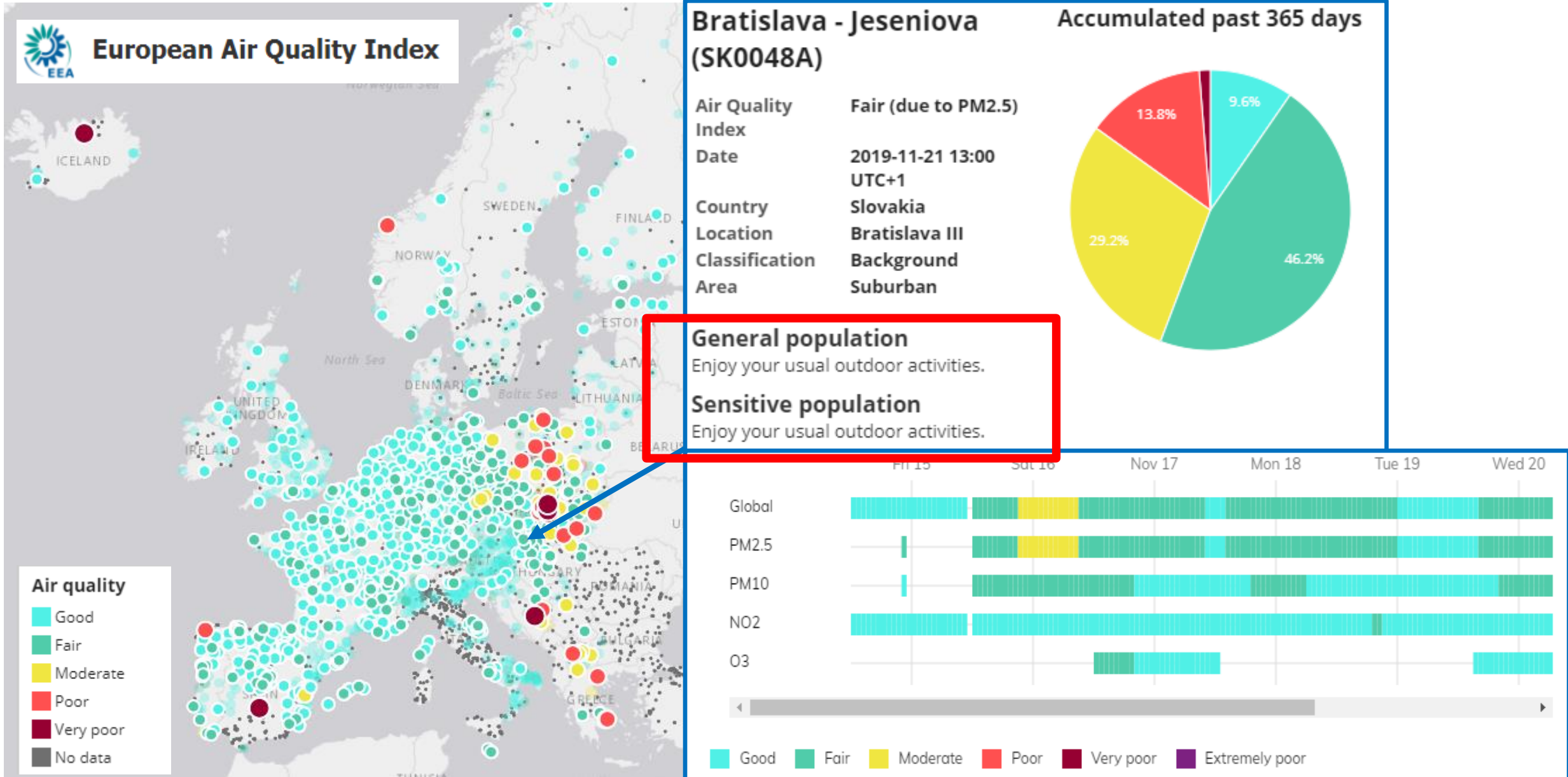
ISSN 1977-8449



- Connectivity in urban transport
- What are the options for the first and last mile?
- Public transport solutions
- Active transport
- Impacts on emissions of air pollutants and GHG
- Impacts on health and well-being

<https://www.eea.europa.eu/publications/the-first-and-last-mile>

# Europe's air quality and implications for health







# Citizen science for air quality

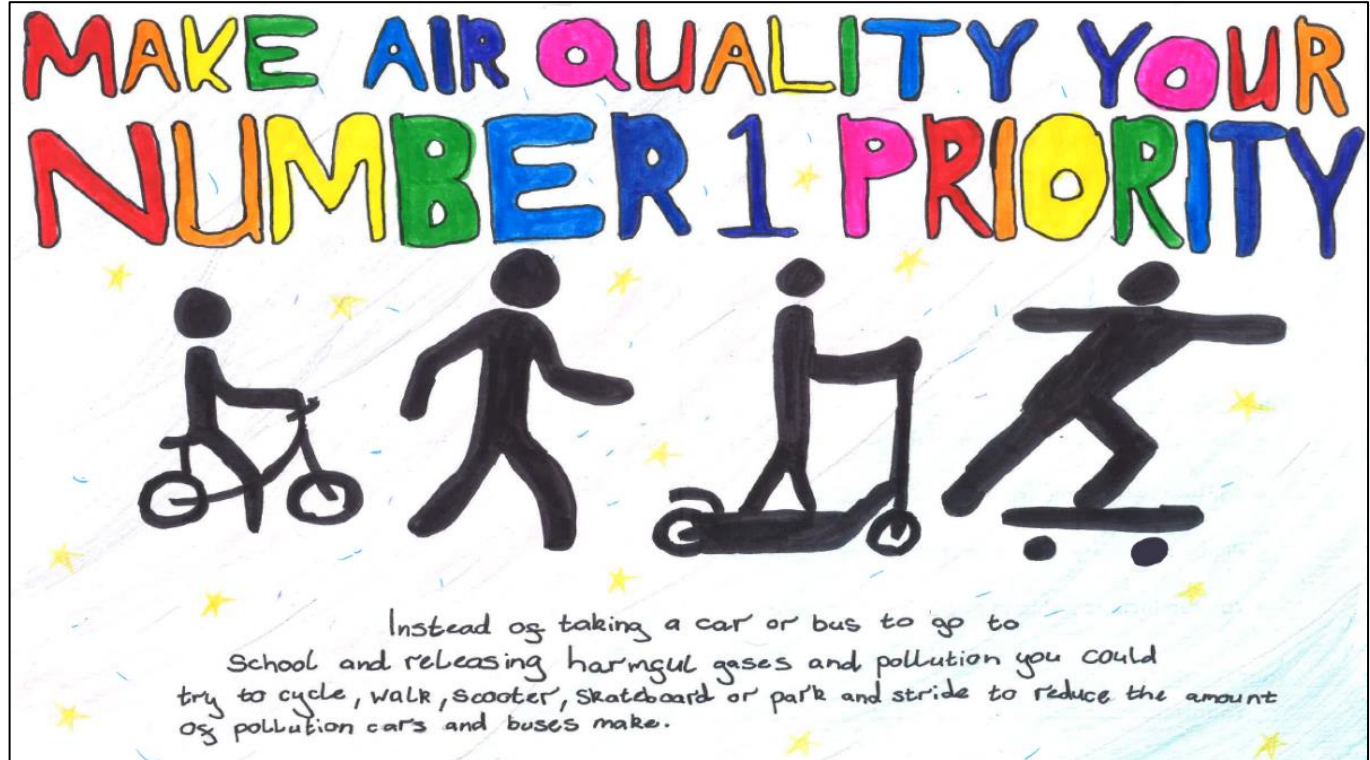
- How have low-cost devices been used in citizen science initiatives?
- How do low-cost passive air pollutant samplers and air quality sensors work?
- Are they reliable?
- How can they be used to measure air quality?
- How can results complement formal monitoring?

<https://www.eea.europa.eu/publications/assessing-air-quality-through-citizen-science>

**Assessing air quality  
through citizen science**







Source: © Misha Biswas.



# Annual European Union LRTAP Convention emission inventory report 1990-2018

EEA Report | No 08/2019

European Union emission inventory report 1990-2017  
under the UNECE Convention on Long-range Transboundary Air Pollution (LRTAP)

ISSN 1977-8449



- Draft report prepare by ETC partners and EEA
- Draft for review shared on 10 April
- Internal deadline for re-submissions was 6 May 2020
- Closing date for comments was 11<sup>th</sup> May 2020
- Publish mid July

# EU reporting status under the NEC Directive

- Draft for circulation next week
- Progress towards 2020 reduction commitments – reflections on the impacts of COVID-19 lockdowns
- Assessment of distance to target - % reduction in emissions against 2018 levels required to achieve the 2030 emission reduction commitment
  - By country
  - By pollutant
- We welcome your comments and reflections!



# Forthcoming....

- Air quality in Europe – 2020
- Healthy environments, healthy lives
- Webpage on air quality and health
- Briefing on synergies across national actions to reduce air pollutant emissions and greenhouse gases



# Thank you

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