

# Content

- EASME: Who we are, what we do
- Call context and related projects
- H2020 focus on Innovations and impact
- Related policy developments and outlook

# EASME's role

In charge of the whole cycle of project implementation:

- Evaluation of Proposals
- Grant Agreement Preparation
- Scientific/Technical and Financial monitoring of projects
- Supporting exploitation and dissemination of project results – policy feedback



# Related projects and funding areas

Funded projects implemented under H2020 Societal challenge 5:

- Improving the air quality and reducing the carbon footprint of European cities **Three projects funded: 19 Mio**
- Projects on decarbonisation pathways
- Projects on Climate impact, adaptation and Climate services (heat stress, air quality)
- Projects on Nature-based Solution (NBS) projects, incl. air quality as one of the benefits provided

# Call objectives and expected impacts

Improving the air quality and reducing the carbon footprint of European cities

## SPECIFIC CHALLENGE

- Citizens in cities are frequently exposed to levels of air pollutants exceeding the limit values and sources of pollution in cities are often linked to urban activities such as transport and heating.
- Air pollution and climate change are strongly connected
  - need to consider both environmental and climate considerations when designing emission abatement strategies
  - integrated approaches are needed to find long-term, sustainable solutions in the EU.

# Funded projects of the call topic

## Some scientific results and impact:

- Improved knowledge base (emission inventories), collection, verification and integration of climate and air quality data
- Improved models and tools for air quality and carbon footprint monitoring/ management in cities



# Funded projects of the call topic

## Some societal results and impact:

- Strong citizen engagement and awareness raising about causes and consequences of air pollution and carbon footprint (health impacts)
- Innovative engagement in air quality monitoring and decision-making
  - e.g. low-cost sensor kits and sensors campaigns, serious games, apps, and activities for behavioural change



# iSCAPE examples of results

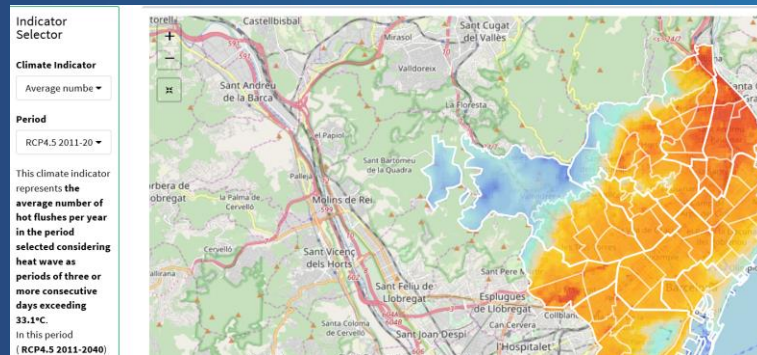
- Successfully engaged local populations and vulnerable groups with help of **low-costs sensors** and **LEGO bricks**  
Showcased at European Research & Innovation days- Science is wonderful!
- As outcome of scientists and schoolchildren working together the **Air We Breathe** children book was produced and widely distributed in Ireland
- Several **peer-reviewed publications** which received attention beyond the scientific community





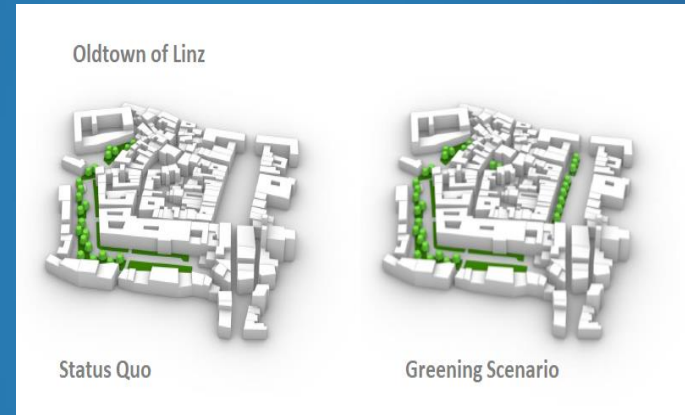
# Other funded projects: climate, air quality & health

## Related projects in the field of Climate impacts, Climate Services...

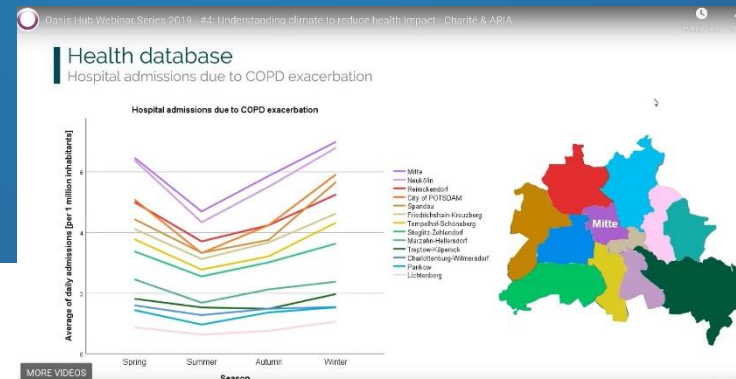


urban heat islands and health impacts (Barcelona, London)

Climate-fit.City



heatwaves and adaptation options (Linz) CLARITY



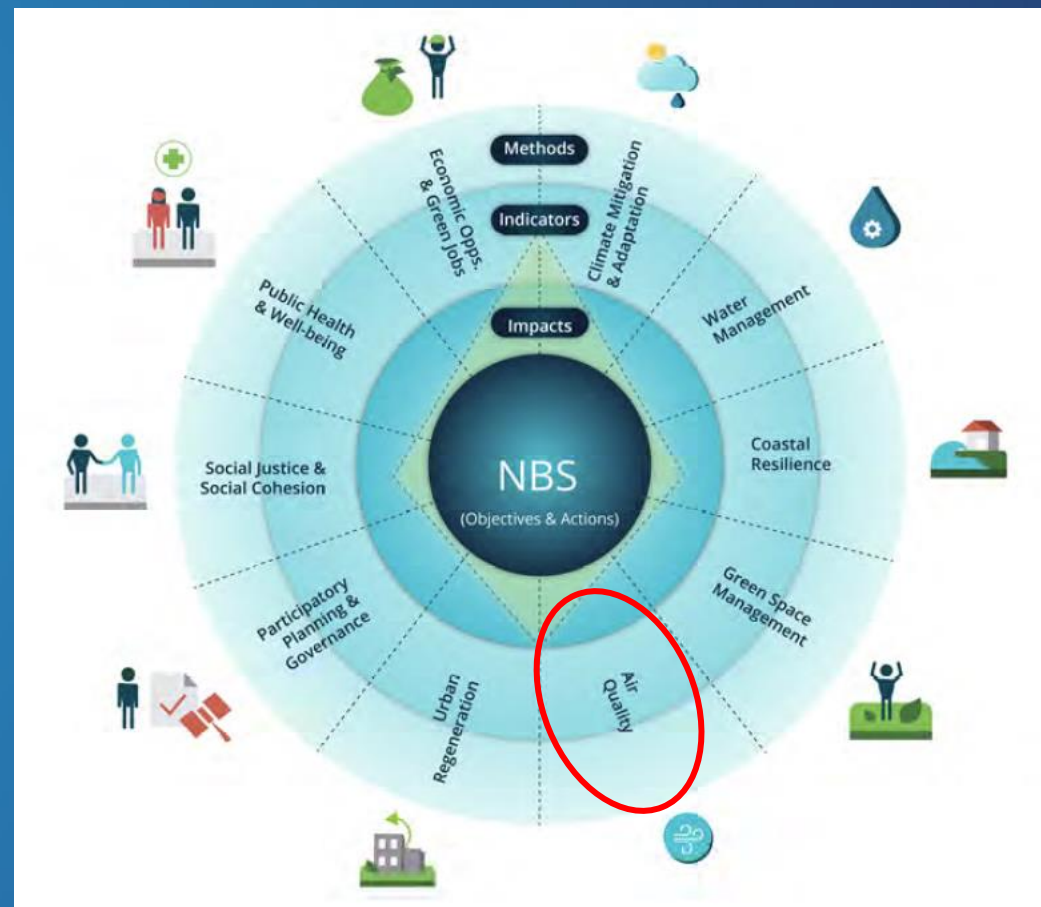


## Other funded projects: climate, air quality & health

## ...and Nature-based Solutions :

**TASKFORCE of Projects looking at the impacts and multiple benefits associated to nature-based interventions, including on **air quality****

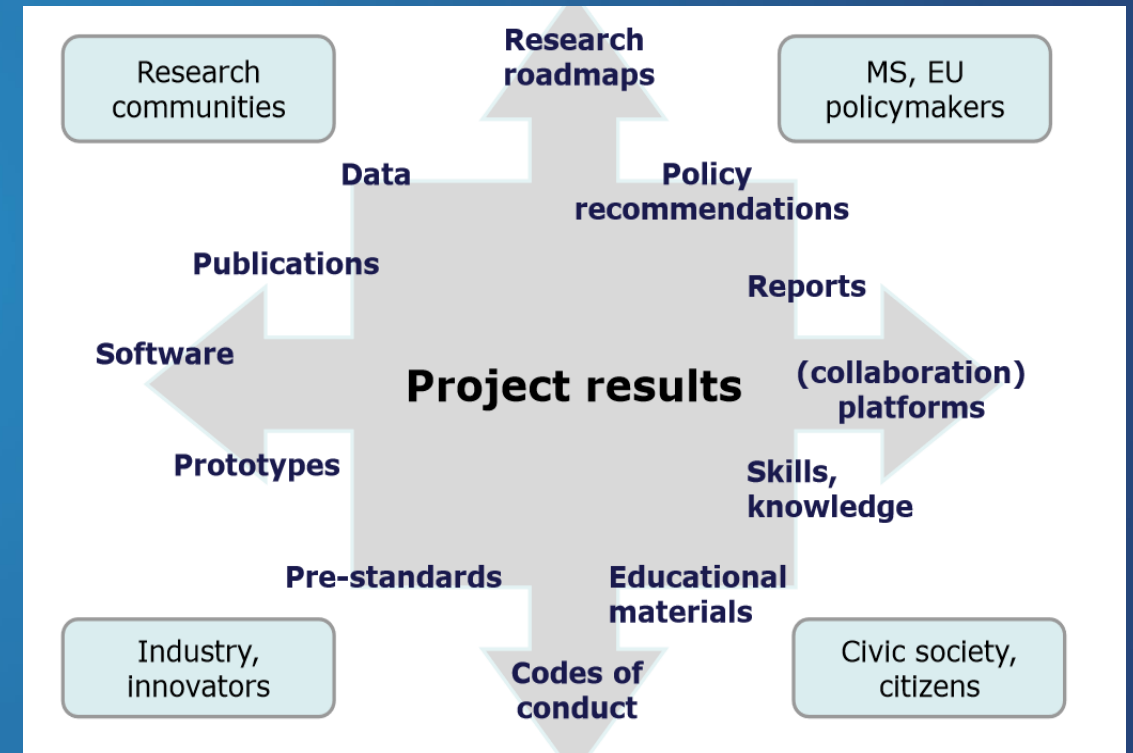
- Core indicators for Air Quality (Spatial and non-spatial indicators)
- Additional metrics for Air Quality (e.g. levels of exposure, years of life lost, quality of life impacts)



# H2020 focus on Innovations and impact

## What do we expect?

- Reflection on exploitable outputs throughout the implementation
  - Clear plan for dissemination and exploitation and ownership of results (social innovations, technological innovations)
  - Open access publication and data
- Inform us about success stories even after the project has ended!

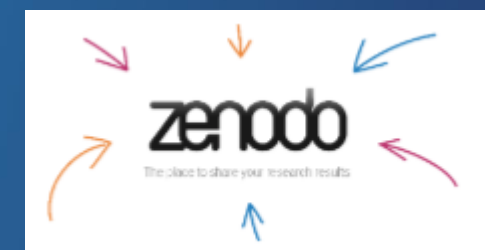


# H2020 focus on Innovations and impact

## What do we offer?

### RTD D&E Support and advice services to increase impact and result exploitation

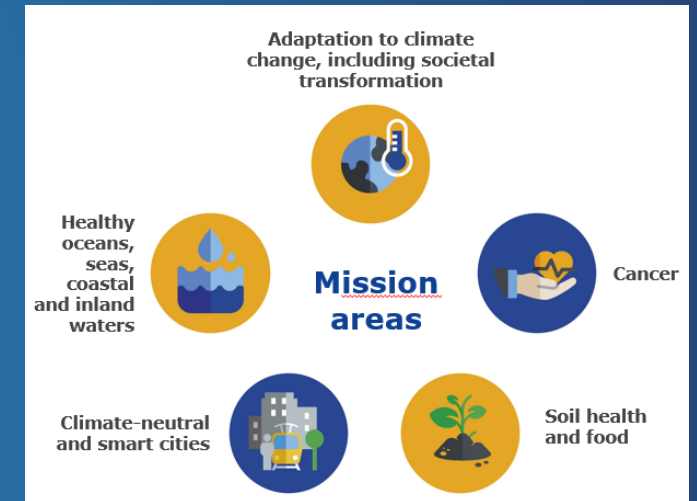
- ✓ Common Dissemination and Exploitation booster, IPR helpdesk
  - ✓ Horizon Results platform and Innovation radar
  - ✓ Increased visibility at European level (e.g. through CORDIS, Social media and at European events and conferences)
  - ✓ Open access/research data support (e.g. OpenAire including Citizen Science, Zenodo)
- During and after project implementation!**



# Related policy developments and outlook

## What is coming up next?

- Next Research and Innovation Programme 2021-2027- **Horizon Europe** under preparation
- Cross-cutting, impact-oriented actions called ‘**Missions**’
  - Climate adaptation incl. societal transformation
  - Climate-neutral and smart cities



# Related policy developments and outlook

## European Air quality policy

- Recent EEA report on Air quality in Europe
- EU Clean Air Forum 2019 - 28-29 November in Bratislava – Policy forum to discuss air quality challenges and solutions (*#CleanAirEU and webstreaming*)
- Fitness check of the EU Ambient Air Quality Directives – results expected to be published by end of 2019



# Thank you for your attention

<https://ec.europa.eu/easme>



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