

Success factors **for an Air Quality Plan**

CARI Boot Camp
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TOPICS TO BE COVERED

- ❖ **Contents of air quality plans**
- ❖ **Proposed measures**
- ❖ **Common challenges**
- ❖ **Timeline of CARI implementation**
- ❖ **Useful resources**

AIR QUALITY PLANS – CONTENT I.

1. Introduction

- i. Summary;
- ii. Problem definition;
- iii. Brief description of the municipality;

2. Purpose and scope

- i. Definition of targets and objectives;
- ii. Areas to be covered: domestic heating, transport, industry – if applicable

3. Health and environmental effects of air pollution

- i. Specific to pollution sources and pollutants;

4. Local and regional overview

- i. Description of local air quality zones with their specificities:
(meteorological conditions affecting air quality, useful climatic data, relevant data on topography);
- ii. Type of zone:
(city, industrial or rural area);
- iii. Estimate of the polluted area (km²) and of the population exposed to the pollution;
- iv. Local agreements with an impact on air quality;



AIR QUALITY PLANS – CONTENT II.

5. Policy context

- i. Authorities responsible for the development and implementation of AQP;
- ii. Description of related plans, programmes and strategies at local, regional, national and international level that are relevant for the purpose and the objectives of the AQP;
- iii. Description of synergies;

6. Air quality monitoring

- i. Nature and assessment of pollution:
(concentrations observed over previous years before the implementation of the improvement measures; concentrations measured since the beginning of the project; techniques used for the assessment);
- ii. Origins of pollution:
(list of the main emission sources responsible for pollution preferably with maps; total quantity of emissions from these sources in tonnes/year; information on pollution imported from other regions if applicable);
- iii. Existing measurement stations (if available);
- iv. Needs for new measurement points.



AIR QUALITY PLANS – CONTENT III.

7. Development of Spatial Planning

- i. A description of existing projects, plans and programs that may have (a positive or adverse) effect on air quality prior to the development of the AQP.

8. Consultation and stakeholder engagement

- i. A description of the consultation process held with stakeholders and the public;
- ii. Plans how to involve stakeholders in the implementation of the AQP.

9. Implementation timeline

- i. Description of the timeline of the AQP by when the exceedences of limit values and target values should be tackled;
- ii. Information on the review and update cycle of the AQP.

10. Proposed Air Quality Actions

- i. More information on this on the next slides.



AIR QUALITY PLANS – PROPOSED ACTIONS I.

The AQP should include the details of policies, measures and projects planned with a view to reducing pollution following the adoption of the AQP including but not limited to:

- 10.1. •Behavioral change measures (e.g. incentivizing the use of public transport, car sharing, cycling or walking, educational measures)
- 10.2. •Land use planning;
- 10.3. •Transport planning (parking policy, public transport availability and accessibility);
- 10.4. •Domestic heating (awareness raising, incentivizing cleaner solutions, “stove ambassadors” as trustees);
- 10.5. •Energy Efficiency and insulation;
- 10.6. •Action against illegal logging and wildfires;
- 10.7. •Green public procurement (more efficient cars, low emission fuels, low emission stationary sources);
- 10.8. •Visibility, stakeholder participation;
- 10.9. •Enforcement;

AIR QUALITY PLANS – PROPOSED ACTIONS II.

The description of policies and measures should include the following information:

Sector;

Name of the measure;

Type of the measure (regulatory, financial, investment, etc.);

Objective of the measure;

Timeframe;

Actions to be taken;

Results to be achieved with indicators;

Implementation and monitoring entities;

Budget.

COMMON CHALLENGES

- ❑ Measures not sufficient to improve air quality within a reasonable time-frame (*as short as possible*);
- ❑ Measures not implemented/delayed;
- ❑ Measures are not supported by sufficient and adequate information (assessment of effectiveness is not possible);
- ❑ Inadequate monitoring of air quality;
- ❑ Old plans not updated despite continuing air quality problems;
- ❑ Lack of quality information on current situation and developments are available and/or provided to the public;
- ❑ No effective public participation - either no consultation or views are not taken into consideration.



TIMELINE OF CARI IMPLEMENTATION

AQP Development Process

2021 Q2

- Signature of CARI Declaration

2021 Q3

- CARI Boot Camp

2021 Q3 – 2022 Q1

- Monthly workshops to support AQP development

2022 Q1

- Submission of AQPs to ECS and WBGC
- Publication of AQPs

2022 Q2

- Implementation of AQPs start
- Development of project proposals

After implementation started

- Regular monitoring of progress
- Regular update of AQP plans

USEFUL RESOURCES

❖ On air quality planning:

- ❑ The Clean Air Handbook
 - ❑ <https://www.clientearth.org/latest/documents/the-clean-air-handbook/>
- ❑ Land-Use Planning & Development Control: Planning For Air Quality
 - ❑ <http://www.iaqm.co.uk/text/guidance/air-quality-planning-guidance.pdf>

❖ Good examples:

- ❑ Oxford City Council Air Quality Action Plan 2021-2025
 - ❑ https://www.oxford.gov.uk/downloads/file/7428/air_quality_action_plan_2021-2025
- ❑ Belfast City Council Air Quality Action Plan
 - ❑ <https://www.belfastcity.gov.uk/bins-and-environment/pollution/air-quality-action-plan>



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