Submission template for oral / poster presentation

Citizen dialogue on policy instruments for the reduction of reactive nitrogen

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Abstract

In order to develop an effective strategy for nitrogen mitigation, a holistic and integrative approach is needed that includes mitigation measures from all fields. The German federal administrations thus work on an action programme for integrated nitrogen mitigation, which will include measures and instruments for the reduction of reactive nitrogen. This is accompanied by a citizen dialogue, that creates awareness of this problem and generates stimuli to the political discussion. Zebralog conducted the dialogue together with adelphi on behalf of the government agencies. Here, the process and the results of this delibarative process are depicted.

Keywords: mitigation measures, policy instruments, public participation

1. Introduction

From September 2019 to Febrauray 2020 zebralog and adelphi conducted a dialogue with citizens on nitrogen on behalf of the Federal Ministry for the Environment, Nature Conservation and Nucelar Safety and the German Environment Agency.

2. Process and participants

Between September 21st and October, 12th 2019 4 regional conferences in 4 german cities (Stuttgart, Oldenburg, Weimar, Duisburg) were conducted. Each conference focussed on a specific field of action, i.e. mobility, agriculture, consumption, industry and freight transport.

In total around 17.000 people were invited from random samples within the four respective regions. 202 persons registered themselves for the conferences. However, eventually only 110 participated (no show rate of 45,5 %).

The composition of the participants regarding sociodemografic data in a nutshell: slightly more men than women, the majority was older than 50 years (18-29 years: 19%; 30-49 years: 32%; 50+: 50%), well educated and held a general political interest. More than 75% stated that they have already read about nitrogen and would like to learn more about it (based on statement at registration).

Each regional conference was structered as follows

- introduction into the topic of reactive nitrogen with a particular focus on the field of action
- collection of ideas for mitigation in small groups
- capture of ideas on prepared profiles

The next step of participation was the conference of delegates, it was held on october 25th and october 26th in Kassel. From every regional conference six volunteers were sent as delegates to Kassel.

The delegates selected and merged the most important measures and developed them further to policy instruments. These results were finally given to an online assessment, which was open to all participants of the regional conferences from November 25th to December 9th. The measures were accompanied by scientific statements on the impact, made by the project partner adelphi. 45 people participated in the online assessment, they made 436

assesments in total and commented 88 times regarding the importance of the implementation of the respective measure.

Finally, all results were aggregated in a citizens report to the Federal Ministry for the Environment, Nature Conservation and Nuclear Safety, which was handed over on February 12th 2020.

3. Measures to reduce nitrogen emissions

Tab. 1: Title and rating of policy measures from the citizen's dialogue

Name of measure	Average rating
Improvement of the line management	****
of the public transport	
Tax for nitrogen budget per holding	
Relocation of freight transport from	
road to rail	
Federal law to expand the usable area	
per livestock to mitigate nitrogen	
Tariff for public transport: 1€ per day	****
(as in Vienna)	
Information on environmental	
impacts of value chains	
Modernisation of industrial plants	
and facilities of energy supply	
Modernisation of marine engines in	
inland navigation	
Congestion charge	
Analytical control of total nitrogen	
emissions on agricultural land for	
fertilisation planning	
Modification of subsidies for freight	
transport	
Car-free sunday in cities	***
Increase the value-added tax to	
increase the price of meat	
Introduction of a label for a	
transparent account of nitrogen	
emissions during the production of	
products	
Consultant for an economical and	
environmentally friendly crop	
rotation	
Reduction of factory farming through	
subsidies on species-appropriate	
farming	

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