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$ightharpoonup \underline{C1}$ COMMISSION IMPLEMENTING DECISION (EU) 2018/1522

of 11 October 2018

laying down a common format for national air pollution control programmes under Directive (EU) 2016/2284 of the European Parliament and of the Council on the reduction of national emissions of certain atmospheric pollutants ◀

(Text with EEA relevance)

(OJ L 256, 12.10.2018, p. 87)

Corrected by:

<u>B</u>

►<u>C1</u> Corrigendum, OJ L 259, 16.10.2018, p. 43 (2018/1522)

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▼C1

COMMISSION IMPLEMENTING DECISION (EU) 2018/1522

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▼<u>B</u>

(Text with EEA relevance)

Article 1

Subject matter

The common format for the national air pollution control programme as referred to in Article 6(10) of Directive (EU) 2016/2284 is laid down in the Annex to this Decision.

Article 2

Format

Member States shall use the common format laid down in the Annex when reporting their national air pollution control programme to the Commission in accordance with Article 10(1) of Directive (EU) 2016/2284.

Article 3

Entry into force

This Decision shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

ANNEX

Common format for the national air pollution control programme pursuant to Article 6 of Directive (EU) 2016/2284

1. FIELD DESCRIPTIONS

All fields in this common format that are marked (M) are mandatory and those marked (O) are optional.

2. COMMON FORMAT

Uncertainties

- 2.1. Title of the programme, contact information and websites
 - 2.1.1. Title of the programme, contact information and websites (M)

Title of the programme	
Date	
Member State	
Name of competent authority responsible for drawing up the programme	
Telephone number of responsible service	
Email address of responsible service	
Link to website where the programme is published	
Link(s) to website(s) on the consultation(s) on the programme	
2.2. Executive summary (O)	
The executive summary can also be a standalone document (ideally of no more than 10 pages). It should be a concise summary of sections 2.3 to 2.8. Where possible, consider the use of graphics to illustrate the executive summary.	
2.2.1. The national air quality and pollution policy framework	
Policy priorities and their relationship to priorities set in other relevant policy areas	
Responsibilities attributed to national, regional and local authorities	
2.2.2. Progress made since 2005 by current policies and measures in reducing emissions an	nd improving air quality
Achieved emission reductions	
Progress against air quality objectives	
Current transboundary impact of domestic emission sources	
2.2.3. Projected further evolution to 2030 assuming no change to already adopted policies	and measures (PaMs)
Projected emissions and emission reductions (With Measures (WM) scenario)	
Projected impact on improving air quality (WM scenario)	

Main sets of policy options c	onsidered						
2.2.5. Summary of policies a imple	nd measures select mentation and revi					ole for the	eir adoption
			Policie	s and Meas	ures (PaMs)		
Sector affected	Selected PaMs	Selected PaMs Timetable for implementation of the selected PaMs Timetable for implementation and enforcement of selected PaMs (type and name)					
Energy supply							
Energy consumption							
Transport							
Industrial processes							
Agriculture							
Waste management/waste							
Cross-cutting							
Other (to be specified)							
		2.2.6.	Coherence				
An assessment of how the sele in other relevant policy areas	ected PaMs ensure	coherence	with plan	s and prog	rammes set up		
2.2.7. Projected combined im reductions, air quality in own		eighbouri					
Projected attainment of emiss	ion reduction comm	nitments	(WAM)				
Use of flexibilities (where rel	evant)						
Projected improvement in air	quality (WAM)						
Projected impacts on the envi	ronment (WAM)						
Methodologies and uncertaint	ies						
2.3. The national air quality 2.3.1. Policy price	y and pollution po	-		ies set in	other relevant poo	licy areas	
The national emission reduction of 2005 base year		d with	SO ₂	NO _x	NMVOC	NH ₃	PM _{2,5}
2020-2029 (M)							
From 2030 (M)							

The national emission reduction co 2005 base year (SO	O_2	NO_x	NMVOC	NH ₃	PM _{2,5}
The air quality priorities: na related to EU or national air of limit values and target values, tration obligations) (M)	quality objectives (incl.						
Reference can also be made quality objectives by the WHC							
Relevant climate change priorities (M)	and energy policy						
Relevant policy priorities in incl. agriculture, industry and							
2.3.2. <i>Re</i>	esponsibilities attributed	to nat	ional,	regional an	d local authori	ties	
List the relevant authorities(M)	Describe the type of auth (e.g. environmental inspecting regional environment age municipality) (M) Where appropriate, name authority (e.g. Ministry of National Agency for XX Regional office for XX			ibe the attribute areas of air polluti from the folkolicy making raplementation afforcement rollevant inspective porting and repordinating roller roles, please	Source s the resp	sectors under consibility of thority (O)	
National authorities (M)							
Regional authorities (M)							
Local authorities (M)							
Add more rows as appropriate	е						

- 2.4. Progress made by current policies and measures (PaMs) in reducing emissions and improving air quality, and the degree of compliance with national and Union obligations, compared to 2005
- 2.4.1. Progress made by current PaMs in reducing emissions, and the degree of compliance with national and Union emission reduction obligations

Describe progress made by current PaMs in reducing emissions, and the degree of compliance with national and Union emission reduction legislation (M)	

Provide complete references (chapter and page) to publically available supporting datasets (e.g. historic emission inventory reporting) (M)	
Include graphics illustrating the emission reductions per pollutant and/or per main sectors (O)	
2.4.2. Progress made by current PaMs in improving air quality, and the degree of compliance air quality obligations	with national and Unior
Describe progress made by current PaMs in improving air quality, and the degree of compliance with national and Union air quality obligations by, as a minimum, specifying the number of air quality zones, out of the total air quality zones, that are (non)compliant with EU air quality objectives for NO ₂ , PM ₁₀ , PM _{2,5} and O ₃ , and any other pollutant(s) for which there are exceedances (M)	
Provide complete references (chapter and page) to publically available supporting datasets (e.g. air quality plans, source apportionment) (M)	
Maps or histograms illustrating the current ambient air concentrations (for at least NO_2 , PM_{10} , $PM_{2,5}$ and O_3 , and any other pollutant(s) that present(s) a problem) and which show, for instance, the number of zones, out of the total air quality zones, that are (non)compliant in the base year and in the reporting year (O)	
Where problems are identified in (an) air quality zone(s), describe how progress was made in reducing the maximum concentrations reported (O)	
2.4.3. Current transboundary impact of national emission sources	
Where relevant, describe the current transboundary impact of domestic emission sources (M) Progress can be reported in quantitative or qualitative terms. If no issues were identified, then state that conclusion.	
In case quantitative data is used to describe the results of the assessment, specify data and methodologies used to conduct the above assessment (O)	

$2.5. \begin{tabular}{ll} \bf Projected & further & evolution & assuming & no & change & to & already & adopted \\ & policies & and & measures \\ \end{tabular}$

2.5.1. Projected emissions and emission reductions (WM scenario)

Pollutants (M)	Total emissions for year x-2 or		reduction	eted % em achieved ith 2005 (1	compared	National emission reduction commitment for	National emission reduction commitment		
	2005 base year	2020	2025	2030	2020	2025	2030	2020-2029 (%) (M)	from 2030 (%) (M)
SO_2									
NO _x									
NMVOC									
NH ₃									

Pollutants (M)		otal emissions (kt), consistent with inventories or year x-2 or x-3 (year to be specified) (M)					ission compared M)	National emission reduction commitment for	National emission reduction commitment	
	2005 base year	2020	2025	2030	2020	2025	2030	2020-2029 (%) (M)	from 2030 (%) (M)	
PM _{2,5}										
projections to	associated ur meet the emiss 5 and 2030 on	sion reduct								
Date of emiss	sion projections	(M)								

Where the projected evolution demonstrates non-attainment of the emission reduction commitments under the WM scenario, section 2.6 shall outline the additional PaMs considered in order to achieve compliance.

2.5.2. Projected impact on improving air quality (WM scenario), including the projected degree of compliance

2.5.2.1. Qualitative description of projected improvement in air quality (M)

Provide a qualitative description of the projected improvements in air quality and projected further evolution of degree of compliance (WM scenario) with EU air quality objectives for NO_2 , PM_{10} , $PM_{2,5}$ and O_3 values, and any other pollutant(s) that present(s) a problem by 2020, 2025 and 2030 (M)

Provide complete references (chapter and page) to publically available supporting datasets (e.g. air quality plans, source apportionment) describing the projected improvements and further evolution of degree of compliance (M)

2.5.2.2. Quantitative description of projected improvement of air quality (O)

AAQD values	Projected number of non-compliant air quality zones				Projected number of compliant air quality zones				Total number of air quality zones			
	Specify base year	2020	2025	2030	Specify base year	2020	2025	2030	Specify base year	2020	2025	2030
PM _{2,5} (1 yr)												
NO ₂ (1 yr)												
PM ₁₀ (1 yr)												
O ₃ (max 8 hr mean)												
Other (please specify)												

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2.6. Policy options considered in order to comply with the emission reduction commitments for 2020, and 2030, intermediate emission levels for 2025

The information required under this section shall be reported using the 'Policies and Measures Tool' ('PaM tool') provided for that purpose by the EEA.

2.6.1. Details concerning the PaMs considered in order to comply with the emission reduction commitments (reporting at PaM level)

Name and brief description	n NMVOC, NH ₃ , of individual PM _{2,5} , PaM o		Type(s)	Primary, and where appropriate,	Implementation period (M for measures selected for implemen- tation)		Authorit(y)(ies) responsible for implementation (M for measures selected for implementation) Refer to those listed in table 2.3.2 as appropriate.		for analysis	Quantified expected emission reductions (for individual PaM or for packages of PaMs, as appropriate) (kt, per annum or as a range, compared to WM scenario) (M)		Quali-	
of indi- vidual PaM or package of PaMs (M)	PM _{2,5} , (M); BC as a package of	55. PaM or package of PaM(s) (^) (M) f PaMs (*) f, 5, e.g. (O) se	PaM(s)	additional sector(s) affected (†) (M)	Start	Finish	Type Name (e.g. specific models or methods, underlying data) (M)	2020	2025	2030	uncer- tainties (M, where avail- able)		

Add more rows as appropriate

The responses to the field indicated with (*), (^) and (†) shall be filled in by using pre-defined reply options which are consistent with the reporting obligations under Regulation (EU) No 525/2013 on a mechanism for monitoring and reporting greenhouse gas emissions and Implementing Regulation (EU) No 749/2014.

The responses to the field indicated with (*) shall be filled in by using the following pre-defined reply options, to be selected as appropriate (more than one objective can be selected, additional objectives could be added and specified under 'other') (M):

- 1. Energy supply:
 - increase in renewable energy;
 - switch to less carbon-intensive fuels;
 - enhanced non-renewable low carbon generation (nuclear);
 - reduction of losses;
 - efficiency improvement in the energy and transformation sector;
 - installation of abatement technologies;
 - other energy supply.
- 2. Energy consumption:
 - efficiency improvements of buildings;
 - efficiency improvement of appliances;
 - efficiency improvement in services/tertiary sector;
 - efficiency improvement in industrial end-use sectors;
 - demand management/reduction;
 - other energy consumption.

3. Transport:

- deployment of pollution abatement technologies on vehicles, vessels and aircraft;
- efficiency improvements of vehicles, vessels and aircraft;
- modal shift to public transport or non-motorised transport;

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- Planning;

- Other, please specify.

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 alternative fuels for vehicles, vessels and aircraft (including electric); 	
— demand management/reduction;	
— improved behaviour;	
— improved transport infrastructure;	
— other transport.	
4. Industrial processes:	
— installation of abatement technologies;	
— improved control of fugitive emissions from industrial processes;	
— other industrial processes.	
5. Waste management/waste:	
— demand management/reduction;	
— enhanced recycling;	
— improved treatment technologies;	
— improved landfill management;	
— waste incineration with energy use;	
— improved wastewater management systems;	
— reduced landfilling;	
— other waste.	
6. Agriculture:	
 low-emission application of fertilizer/manure on cropland and grassland; 	
— other activities improving cropland management;	
— improved livestock management and rearing installations;	
— improved animal waste management systems;	
— other agriculture.	
7. Cross-cutting:	
— framework policy;	
— multi-sectoral policy;	
— other cross-cutting.	
8. Other:	
— Member States must provide a brief description of the objective.	
The responses to the field indicated with (^) shall be filled in by using the following pre-defined reply options, to be select appropriate (more than one type of PaMs can be selected, additional types of PaMs could be added and specified 'other') (M):	
— Source-based pollution control;	
— Economic instruments;	
— Fiscal instruments;	
— Voluntary/negotiated agreements;	
— Information;	
— Regulatory;	
— Education;	
— Research;	

The responses to the field indicated with (†) shall be filled in by using the following pre-defined reply options, to be selected as appropriate (more than one sector can be selected, additional sectors could be added and specified under 'other') (M):

- energy supply (comprising extraction, transmission, distribution and storage of fuels as well as energy and electricity production);
- energy consumption (comprising consumption of fuels and electricity by end users such as households, services, industry and agriculture);

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— transpor	rt;						
	al processes (comprising ir ns, use of greenhouse gase					terials leading	g to greenhouse gas
— agricult	ure;						
— waste n	nanagement/waste;						
— cross-cu	utting;						
— other se	ectors; please specify.						
	2.6.2. Impacts on air q			`individual PaM ction commitme			onsidered in order to
	Where available, impact quality objectives by the			an also be mad	e to recomme	nded air	
	2.6.3. Estimation of cos			al PaM or packe duction commitr		onsidered in	order to comply with
	Name and brief description of individual PaM or package of PaMs	Costs in EUR per tonne of abated pollutant	Absolute costs per year in EUR	Absolute benefits per year	Cost/benefit ratio	Price year	Qualitative description of the cost and benefit estimates
	Add more rows as appr	copriate					
	2.6.4. Additional details			m Annex III Pa with the emission			6/2284 targeting the
			Is	the PaM included the national air pollution control programme? Yes/No (M)	in If ye — indicate page nun programm (M.	section/ nber in If ne: fie	s the PaM been applied exactly? Yes/No (M) no, describe the modi- cations that have been made (M)
		A. Mo	easures to con	trol ammonia e	emissions (M)	·	
	Member States sha advisory code of go- control ammonia emi- the UNECE Framew cultural Practice f Emissions of 2014 following items:	od agricultural ssions, taking in ork Code for C or Reducing	practice to nto account Good Agri- Ammonia				
	(a) nitrogen manager the whole nitroge		nto account				
	(b) livestock feeding	strategies;					
	(c) low-emission man	_	techniques;				
	(d) low-emission ma		•				
	(e) low-emission anim						
	(f) possibilities for li from the use of r	miting ammonia	a emissions				

	Is the PaM included in the national air pollution control programme? Yes/No (M)	If yes, — indicate section/ page number in programme: (M)	Has the PaM been applied exactly? Yes/No (M) If no, describe the modi- fications that have been made (M)
2. Member States may establish a national nitrogen budget to monitor the changes in overall losses of reactive nitrogen from agriculture, including ammonia, nitrous oxide, ammonium, nitrates and nitrites, based on the principles set out in the UNECE Guidance Document on Nitrogen Budgets			
 3. Member States shall prohibit the use of ammonium carbonate fertilisers and may reduce ammonia emissions from inorganic fertilisers by using the following approaches: (a) replacing urea-based fertilisers by ammonium nitrate-based fertilisers; (b) where urea-based fertilisers continue to be applied, using methods that have been shown to reduce ammonia emissions by at least 30 % compared with the use of the reference method, as specified in the Ammonia Guidance Document; (c) promoting the replacement of inorganic fertilisers by organic fertilisers and, where inorganic fertilisers continue to be applied, spreading them in line with the foreseeable requirements of the receiving crop or grassland with respect to nitrogen and phosphorus, also taking into account the existing nutrient content in the soil and nutrients from other fertilisers. 			
 4. Member States may reduce ammonia emissions from livestock manure by using the following approaches: (a) reducing emissions from slurry and solid manure application to arable land and grassland, by using methods that reduce emissions by at least 30 % compared with the reference method described in the Ammonia Guidance Document and on the following conditions: (i) only spreading manures and slurries in line with the foreseeable nutrient requirement of the receiving crop or grassland with respect to nitrogen and phosphorous, also taking into account the existing nutrient content in the soil and the nutrients from other fertilisers; (ii) not spreading manures and slurries when the receiving land is water saturated, flooded, frozen or snow covered; 			

	Is the PaM included in the national air pollution control programme? Yes/No (M)	If yes, — indicate section/ page number in programme: (M)	Has the PaM been applie exactly? Yes/No (M) If no, describe the modi fications that have been made (M)
(iii) applying slurries spread to grassland using a trailing hose, trailing shoe or through shallow or deep injection;			
(iv) incorporating manures and slurries spread to arable land within the soil within four hours of spreading.			
(b) reducing emissions from manure storage outside of animal houses, by using the following approaches:			
(i) for slurry stores constructed after 1 January 2022, using low emission storage systems or techniques which have been shown to reduce ammonia emissions by at least 60 % compared with the reference method described in the Ammonia Guidance Document, and for existing slurry stores at least 40 %;			
(ii) covering stores for solid manure;			
(iii) ensuring farms have sufficient manure storage capacity to spread manure only during periods that are suitable for crop growth.			
(c) reducing emissions from animal housing, by using systems which have been shown to reduce ammonia emissions by at least 20 % compared with the reference method described in the Ammonia Guidance Document;			
(d) reducing emissions from manure, by using low protein feeding strategies which have been shown to reduce ammonia emissions by at least 10 % compared with the reference method described in the Ammonia Guidance Document.			

1. Without prejudice to Annex II on cross-compliance of Regulation (EU) No 1306/2013 of the European Parliament and of the Council (¹), Member States may ban open field burning of agricultural harvest residue and waste and forest residue. Member States shall monitor and enforce the implementation of any ban implemented in accordance with the first subparagraph. Any exemptions to such a ban shall be limited to preventive programmes to avoid uncontrolled wildfires, to control pest or to protect biodiversity.		
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section/

Has the PaM been applied

exactly? Yes/No (M) If no, describe the modi-

If yes,

page number in

indicate

	pollution control programme? Yes/No (M)	page number in programme: (M)	If no, describe the modi- fications that have been made (M)
2. Member States may establish a national advisory code of good agricultural practices for the proper management of harvest residue, on the basis of the following approaches:			
(a) improvement of soil structure through incorporation of harvest residue;			
(b) improved techniques for incorporation of harvest residue;			
(c) alternative use of harvest residue;			
(d) improvement of the nutrient status and soil structure through incorporation of manure as required for optimal plant growth, thereby avoiding burning of manure (farmyard manure, deep-straw bedding).			
C. Preventing	impacts on small fa	rms (M)	
In taking the measures outlined in Sections A and B, Member States shall ensure that impacts on small and micro farms are fully taken into account. Member States may, for instance, exempt small and micro farms from those measures where possible and appropriate in view of the applicable reduction commitments (M)			
(1) Regulation (EU) No 1306/2013 of the European Parlian and monitoring of the common agricultural policy and No 2799/98, (EC) No 814/2000, (EC) No 1290/2005 at	d repealing Council Reg	gulations (EEC) No 352	778, (EC) No 165/94, (EC)

Is the PaM included in

the national air

pollution control

2.7. The policies selected for adoption by sector, including a timetable for their adoption, implementation and review and the competent authorities responsible

2.7.1. Individual PaMs or package of PaMs selected for adoption and the competent authorities responsible

Name and brief description of individual PaM or package of	time that orier bottom of contion of continual PaM or consultation to the individual PaM or continual PaM or consultation to the individual PaM or consultat	comments arising from consul-	Currently timetal implement	ble for	cators selected progress in tation of the	ets and indi- ed to monitor implemen- he selected s (O)	Currently planned timetable for review (in case different from general update	Competent authorities responsible for the indi- vidual PaM or
PaMs (M) Refer to those listed in table 2.6.1 as appropriate.		End year	Interim Targets	Indicators	of the national air pollution control programme every four years) (M)	package of PaMs (M) Refer to those listed in table 2.3.2 as appropriate.		
	-							

Insert more rows as appropriate

2.7.2. Explanation of the choice of selected measures and an assessment of how selected PaMs ensure coherence with plans and programmes set up in other relevant policy areas

An explanation of the choice made among the measures considered under 2.6.1 to determine the final set of selected measures (O)	
Coherence of the selected PaMs with air quality objectives at national level and, where appropriate, in neighbouring Member States (M)	
Coherence of the selected PaMs with other relevant plans and programmes established by virtue of the requirements set out in national or Union legislation (e.g. national energy and climate plans) (M)	

2.8. Projected combined impacts of PaMs ('With Additional Measures' — WAM) on emission reductions, air quality and the environment and the associated uncertainties (where applicable)

2.8.1. Projected attainment of emission reduction commitments (WAM)

Pollutants (M)	Total emissions (kt), consistent with inventories for year x-2 or x-3, please specify the year (M)				% emission reduction achieved compared with 2005 (M)			National emission reduction commitment for 2020-2029 (%) (M)	National emission reduction commitment from 2030 (%) (M)
	2005 base year	2020	2025	2030	2020	2025	2030		
SO_2									
NO _x									
NMVOC									
NH ₃									
PM _{2,5}									
Date of emiss	sion projections	(M)	•			•	•		

2.8.2. Non-linear emission reduction trajectory

Where a non-linear emission reduction trajectory is followed, demonstrate that it is technically or economically more efficient (alternative measures would involve entailing disproportionate costs), will not compromise the achievement of any reduction commitment in 2030, and that the trajectory will converge on the linear trajectory from 2025 onwards (M, where relevant)
Refer to costs listed in table 2.6.3 as appropriate.

2.8.3. Flexibilities

Where flexibilities are used, provide an account of their use (M)

2.8.4. Projected improvement in air quality (WAM)

	A. Projected	d num	ber of	non-co	ompliant and	comp	liant a	ir qua	lity zones (O)		
AAQD values	Projected number of non-compliant air quality zones				Projected nur qu	nber of ality zo		Total number of air quality zones				
- Trigo values	Specify base year	2020	2025	2030	Specify base year	2020	2025	2030	Specify base year	2020	2025	2030
PM _{2,5} (1 yr)												
NO ₂ (1 yr)												
PM ₁₀ (1 yr)												
O ₃ (max 8 hr mean)												
Other (please specify)												
В. Ма	aximum exce	edance	s of ai	r qual	ity limit valu	es and	avera	ige exp	osure indica	tors (C))	•
AAOD alam	Projected maximum exceedances of air quality limit values across all zones					values	Projected average exposure indicator (only for (1 year)					r PM _{2,5}
AAQD values	Specify 1	base yea	ar	2020	2025	2030	Specify base year 20				2025	2030
PM _{2,5} (1 yr)												
NO ₂ (1 yr)												
NO ₂ (1 hr)												
PM ₁₀ (1 yr)												
PM ₁₀ (24 hrs)												
O ₃ (max 8 hr mean)												
Other (please specify)												
C. Illustratio	ons demonstr	ating 1	he pr	ojected	improvemen	it in ai	ir qual	lity and	d degree of c	omplia	ınce (C))
Maps or histograms trations (for at leap resent(s) a probl of the total air que 2030, the projecte exposure indicator	ast NO ₂ , PM ₁₀ em) and which ality zones, the d maximum r	, PM _{2,} h show hat wil	and 0, for in left to the second of the seco	O ₃ , and istance on)con	any other poly the number of apliant by 202	lutant(s of zone 20, 202	s) that es, out 5 and					
D. Qualitative p	rojected imp	rovem			ality and deg				WAM) (in ca	ise no	quanti	tative

Qualitative projected improvement in air quality and degree of compliance (WAM)

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For annual limit values, projections should be reported against the maximum concentrations across all zones. For daily and hourly limit values, projections should be reported against the maximum number of exceedances registered across all zones.

2.8.5. Projected impacts on the environment (WAM) (O)

	Base year used to assess environmental impacts (please specify)	2020	2025	2030	Description
Member State territory exposed to acidification in exceedance of the critical load threshold (%)					
Member State territory exposed to eutrophication in exceedance of the critical load threshold (%)					
Member State territory exposed to ozone in exceedance of the critical level threshold (%)					

Indicators should be aligned with those used under the Convention on Long Range Transboundary Air Pollution on exposure of ecosystems to acidification, eutrophication and ozone (https://www.rivm.nl/media/documenten/cce/manual/Manual_UBA_Texte.pdf).