







Decentralized system for assessment in urban areas

Municipalities have the main responsibility for the Swedish environmental quality standards

Monitoring urban air quality

Report data to National Data Host Provide information to the general public

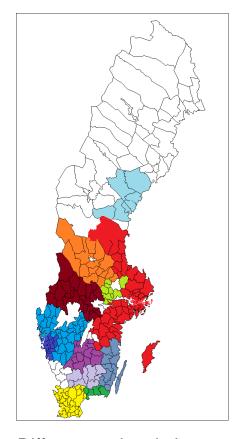
Report risk of exceedances to Swedish EPA

Often responsible for action planning

Sweden has 290 municipalities

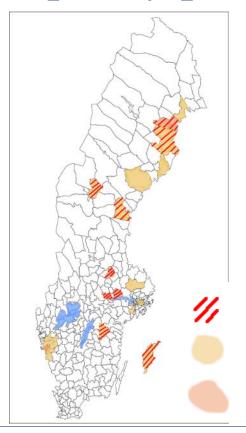
Largest has 988 000 inhibitants Smallest has 2 360 inhibitants

Resource efficient



Different regional air protection association

Air quality plans



Size of municipalities with air quality plans

 1.
 988 000
 8.
 75 000

 2.
 600 000
 9.
 65 000

 3.
 243 000
 10.
 61 000

 4.
 167 000
 11.
 56 000

 5.
 159 000
 12.
 42 000

 6.
 132 000
 13.
 26 000

 7.
 100 000
 14.
 15 000

First air quality plan was made in 2004 and still running 8 air quality programs have ended due to no more risk for exceedance

Exceedance 2020-

Air quality plan

New air quality plan

What are our legal obligations for provision of guidance?

Support for providing guidance is in the Environmental code and supporting legislation

How to provide guidance regarding air quality is not specified.

2019 – report on how to improve work with

air quality

Measurements hasn't been done or been ineffective

No sanctions then measurements aren't done

Distribution of responsibility between the municipalities, the county board and the government is unclear

Air quality plans hasn't been helping enough to get better air quality



The requirements imposed on the municipalities are high and requires competence and resources

The swedish implementation of the air quality directive needs to improve. As measurements hasn't been enough and lacks follow up.

2019 – report on how to improve work with air quality



- Suggest changes in the legislation about monitoring air quality
- Suggest how to chose measures that makes the exceedance period to be as short as possible
- Possibility to make national modelling
- What tools the municipalities have at their disposal and how to improve them

2019 – report on how to improve work with air quality

Proposals

- We proposed how to make national modelling. First prestudy is ready.
- Enhanced support from the Swedish EPA within the air quality plan process. We provide guidance from the start to finish of an air quality plan.
- Proposal that the Swedish EPA to inform the government about inadequate air quality plans.
- National air quality plan.
- Change to legislation to have preventive air quality strategy. In force in 2024.
- Suggestion on changes to different legislations to improve municipalities possibility to work with measures.

Support and guidance



Provide guidance regarding control and air quality plans



Main guidance document Monitoring, plans etc..



Information video about wood burning



Reference laboratory monitoring



Quality assurance of measurement data



Reference laboratory modelling

National data host



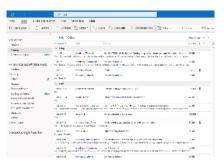
Contacts with municipalities



Online meetings with municipalities



Network meetings with municipalities



E-mail contacts



Holding presentations on seminars



Newsletter, 2 times yearly



Comments on action plans during public consultation

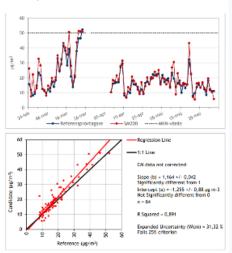
Help with measure stations

Reference laboratorium for monitoring

Visits measure station to make sure they are in complience with directive

Gives guidance aboute measure instruments, placements, quality assurance programs

Validate reported data





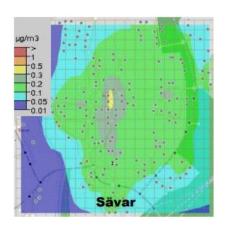
Help with modelling

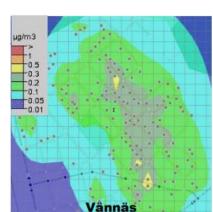
Reference laboratory for air quality modelling

Guidelines how to make an air quality modelling

Gives guidance about different models and then to use them

Web tool for objective-estimation

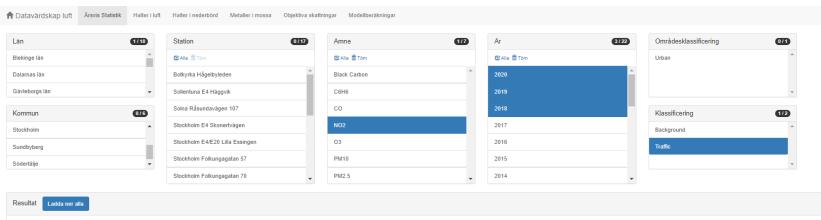






Data portal with all validated air quality data

https://datavardluft.smhi.se/portal/



		_																				
NO2 Visa	2 (Nitrogen d	ioxide) a Överskrider	MKN Översl	krider Milj	jömålet																	
Ár	Station	Nationell stationskod	Klassificering	Inlet-	Medel NO2 μg/m³ (NUT=26, ÖUT=32, MKN=40, miljömål=20)		Antal dygn NO2 > 60 µg/m³ (MKN=7)	Antal dygn NO2 > 48 µg/m³ (ÖUT=7)	Antal dygn NO2 > 36 µg/m³ (NUT=7)	98%il dygn NO2 µg/m³ (MKN=60)	Max dygn NO2	Antal timmar	Antal timmar NO2 > 54 µg/m³ (NUT=175)	Antal timmar NO2 > 72 µg/m³ (ÖUT=175)		Antal timmar NO2 > 100 μg/m² (NUT=18)	NO2 > 140		60 μg/m³	98%il timme NO2 µg/m³	Max timme NO2 µg/m	
	Botkyrka Hågelbyleden	36244	Urban Traffic	550	11.26	363	0.00	1.00	5.00	34.54	48.22	8717	93.00	27.00	1.00	0.00	0.00	0.00	56.00	45.10	91.70) Hour
	Sollentuna E4 Häggvik	20415	Urban Traffic	2082	16.90	357	0.00	4.00	12.00	39.67	55.55	8570	162.00	54.00	16.00	4.00	0.00	0.00	108.00	53.30	108.10) Hour
	Solna Råsundavägen 107	164905	Urban Traffic	4645	13.92	364	0.00	0.00	3.00	33.06	45.49	8739	82.00	16.00	0.00	0.00	0.00	0.00	48.00	45.10	84.20) Hour
	Stockholm E4 Skonertvägen	157993	Urban Traffic	4207	17.31	365	1.00	6.00	36.00	47.43	69.46	8752	476.00	121.00	28.00	11.00	0.00	0.00	306.00	67.00	110.20) Hour
	Stockholm E4/E20 Lilla Essingen	18644	Urban Traffic	344	22.99	295	2.00	6.00	23.00	47.47	63.07	7073	282.00	73.00	12.00	2.00	0.00	0.00	175.00	63.40	102.10) Hour
	Stockholm Folkungagatan 70	159403	Urban Traffic	4228	19.46	364	0.00	0.00	12.00	38.47	47.35	8734	162.00	11.00	3.00	0.00	0.00	0.00	90.00	53.30	96.60) Hour
	Stockholm Hornsgatan 108 Gata	8780	Urban Traffic	115	23.57	364	1.00	10.00	25.00	50.29	62.30	8742	466.00	115.00	25.00	5.00	0.00	0.00	298.00	66.80	128.20) Hour
	Stockholm Hornsgatan 85 Gatunivå	18639	Urban Traffic	534	23.11	107	0.00	2.00	15.00	46.78	52.69	2573	206.00	55.00	8.00	5.00	0.00	0.00	140.00	73.00	123.30) Hour

AQ web with AQ index map

https://www.smhi.se/data/miljo/luftwebb/



