

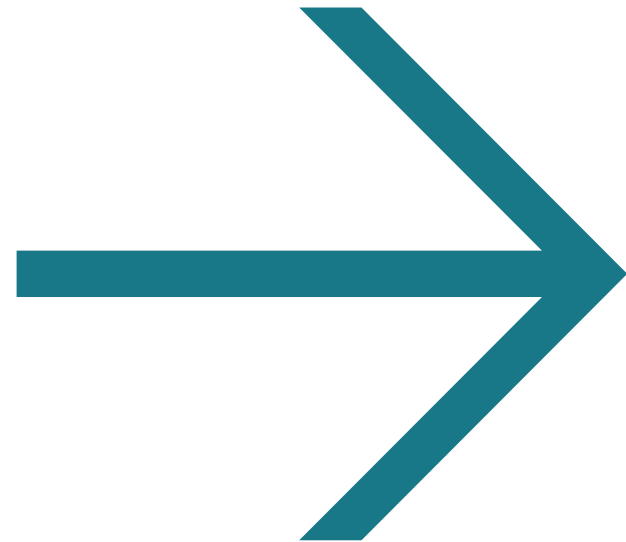
PRTR DATA

MAKING THE RIGHT DECISIONS

Jan van der Plas

INECE expert workshop

Paris, november 2003





WHY?

**THE FINAL PURPOSE OF ENVIRONMENTAL
POLICY IS REDUCING THE LOAD
TO THE ENVIRONMENT AND
ELIMINATING HARMFUL EFFECTS**



GOAL OF A PRTR SYSTEM

ASSESSMENT OF ENVIRONMENTAL POLICY

APPLICATIONS:

1. INPUT FOR THE YEARLY STATE OF THE ENVIRONMENT REPORT
2. INPUT FOR MODELLING
3. REPORTING TO INTERNATIONAL BODIES
4. AND MUCH MORE.....



PRTR OR EMISSION INVENTORY

CONTAINS:

1. EMISSION DATA FROM ALL SOURCES
2. TRENDS OVER THE YEARS

sions

new

p

anation

planation of

cepts

available data

acidation

missions

s emissions

s map

art tip

lpdesk

es validated:

ber 2002

aimer

hts can be

ed from the

nation shown

Copying of data

y permitted with

nowledgement:

warehouse

ion Data + year



Measure: emission (ton) | compartment: Emission water | location: Nederland | compound: Lead comp. (as Pb)

	1990	1995	1999	2000	2001
▼ Total	179.16	142.25	139.94	137.31	138.40
▶ AGRICULTURE	61.90	35.54	34.41	34.59	34.82
▶ CHEMICAL INDUSTRY	<u>15.07</u>	5.25	3.36	1.70	1.52
▶ CONSTRUCTION INDUSTRY	.00	.00	.04	.00	.00
▶ CONSUMERS	<u>68.36</u>	71.63	73.64	74.32	74.99
▶ DRINKING-WATER COMPANIES			.00		
▶ ENERGY SECTOR	.01	.00	.01	.01	.01
▶ NATURE					
▶ OTHER					
▶ OTHER INDUSTRIES	<u>10.47</u>	6.88	6.35	3.99	3.90
▶ REFINERIES	.03	.03	.27	.55	.55
▶ SEWERAGE AND WATER TREATME...		.00	.01	.01	
▶ TRAFFIC AND TRANSPORT	9.71	8.60	7.02	7.06	7.39
▶ TSG (TRADE, SERVICES AND GOVE...	12.71	13.40	14.00	14.07	14.22
▶ WASTE TREATMENT AND DISPOSAL	.90	.91	.84	1.01	1.01








Measure	compartment	location	compound
emission (ton)	Emission air	Nederland	Oxides of sulphur (as SO2)

	1990	1995	1999	2000	2001
▼ Total	202,372.60	141,498.46	103,058.90	91,461.12	88,925.77
▶ AGRICULTURE	958.31	595.74	277.39	277.46	276.91
▶ CHEMICAL INDUSTRY	19,946.26	11,456.19	5,654.32	4,148.99	3,740.42
▶ CONSTRUCTION INDUSTRY	710.76	531.85	388.15	731.34	454.44
▶ CONSUMERS	1,136.15	694.23	503.96	509.94	533.91
▶ DRINKING-WATER COMPANIES	21.58	24.83	18.71		
▶ ENERGY SECTOR	44,939.21	16,602.97	12,841.63	16,911.91	17,343.74
▶ NATURE					
▶ OTHER					
▶ OTHER INDUSTRIES	31,182.24	18,573.04	11,701.52	10,925.96	10,354.58
▶ REFINERIES	67,086.05	61,172.60	46,239.00	33,142.96	33,725.68
▶ SEWERAGE AND WATER TREATME...	503.12	691.97	694.00	727.52	727.52
▶ TRAFFIC AND TRANSPORT	29,388.27	29,553.80	23,600.30	23,621.43	21,319.24
▶ TSG (TRADE, SERVICES AND GOVE...	1,957.90	996.50	626.24	246.26	191.48
▶ WASTE TREATMENT AND DISPOSAL	4,542.76	604.74	513.68	217.37	257.86



Measure	compartment	location	compound	1990	1995	1999	2000	2001	
emission (ton)	Emission air	Nederland	Oxides ofnitrogen (as NO2)						
▼ Total				585,862.89	502,628.71		428,847.58	426,134.44	
▶ AGRICULTURE				9,813.71	13,268.85	12,249.27	12,162.24	11,920.63	
▶ CHEMICAL INDUSTRY				38,736.91	28,096.52		18,427.66	17,173.43	
▶ CONSTRUCTION INDUSTRY				591.72	375.58	1,251.76	965.67	918.86	
▶ CONSUMERS				20,886.26	21,873.59	19,614.72	19,889.25	20,643.97	
▶ DRINKING-WATER COMPANIES				27.68	31.94	28.87	9.39	8.28	
▶ ENERGY SECTOR				79,805.18	64,046.64		50,092.66	55,002.89	
▶ NATURE				16,311.08	16,311.08	16,311.08	16,311.08	16,311.08	
▶ OTHER									
▶ OTHER INDUSTRIES				39,966.03	28,538.44		18,348.97	17,941.62	
▶ REFINERIES				18,845.54	16,995.80		10,342.39	10,197.13	
▶ SEWERAGE AND WATER TREATME...				195.38	255.63	293.10	304.64	304.64	
▶ TRAFFIC AND TRANSPORT				345,844.27	297,600.28	275,686.63	268,381.12	261,118.78	
▶ TSG (TRADE, SERVICES AND GOVE...				10,060.64	11,155.06	9,437.29	10,816.79	11,976.60	
▶ WASTE TREATMENT AND DISPOSAL				4,778.49	4,079.31		2,795.73	2,616.54	

Emissions

new

p

Information

[Explanation of concepts](#)

[Available data](#)

[Acidification](#)

[Emissions](#)

[Emissions](#)

[Emissions map](#)

[Start tip](#)

[Helpdesk](#)

Data validated:

December 2002

Disclaimer

Information can be obtained from the national database. Copying of data is permitted with acknowledgement: MilieuMonitor, National Data + year

Measure	compartment	location	compound	1990	1995	1999	2000	2001
emission (ton)	Emission air	Nederland	CFC,H(C)FC and Halons					
▼ Total				7,551.29	4,027.18			
▶ AGRICULTURE								
▶ CHEMICAL INDUSTRY				2,909.38	1,818.65			
▶ CONSTRUCTION INDUSTRY								
▶ CONSUMERS				483.98	51.00	39.10	36.13	33.15
▶ DRINKING-WATER COMPANIES								
▶ ENERGY SECTOR								
▶ NATURE								
▶ OTHER								
▶ OTHER INDUSTRIES				3,430.20	1,958.16			
▶ REFINERIES								
▶ SEWERAGE AND WATER TREATME...								
▶ TRAFFIC AND TRANSPORT				60.00	64.84	65.17	76.95	91.29
▶ TSG (TRADE, SERVICES AND GOVE...				528.18	7.00	1.00	.67	.20
▶ WASTE TREATMENT AND DISPOSAL				139.57	127.52			



sions

new

p

anation

planation of

cepts

available data

acidation

issions

s emissions

s map

art tip

pdesk

es validated:

ber 2002

aimer

hts can be

ed from the

ation shown

Copying of data

y permitted with

knowledge:

warehouse

ion Data + year



Measure	compartment	location	compound
emission (ton)	Emission air	Nederland	Methane

	1990	1995	1999	2000	2001
▼ Total	1,417,274.38	1,295,306.17	1,162,238.62	1,108,685.77	1,098,456.51
▶ AGRICULTURE	507,965.71	479,557.91	427,252.24	412,778.27	412,793.34
▶ CHEMICAL INDUSTRY	4,063.81	5,510.51	3,658.82	2,505.58	2,363.17
▶ CONSTRUCTION INDUSTRY	44.47	101.58	48.90	50.65	52.84
▶ CONSUMERS	16,761.66	17,417.78	15,882.53	16,470.07	17,015.66
▶ DRINKING-WATER COMPANIES	2,002.59	2,002.04	1,932.34	1,889.49	1,832.34
▶ ENERGY SECTOR	181,153.71	174,355.35	149,924.42	136,580.28	140,241.14
▶ NATURE	70,000.00	70,000.00	70,000.00	70,000.00	70,000.00
▶ OTHER	55,000.00	55,000.00	55,000.00	55,000.00	55,000.00
▶ OTHER INDUSTRIES	2,441.46	2,181.38	2,015.98	2,263.43	2,364.47
▶ REFINERIES	595.55	776.75	408.54	331.50	347.39
▶ SEWERAGE AND WATER TREATME...	6,558.20	1,468.07	1,829.40	793.07	793.07
▶ TRAFFIC AND TRANSPORT	7,787.02	6,119.25	5,126.12	4,826.14	4,580.17
▶ TSG (TRADE, SERVICES AND GOVE...	862.73	530.28	900.73	1,078.20	1,195.72
▶ WASTE TREATMENT AND DISPOSAL	562,037.47	480,285.27	428,258.60	404,119.09	389,877.18





CONCLUSION

**ALSO USE EMISSION DATA
FOR MAKING THE RIGHT
DECISIONS WHEN SETTING
PRIORITIES**