

Changes in the IIR

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General

(excl. detailed parts below)

1.5 Key Sources

2 Trends

8.1 Recalculations

Page	Date	User
Chapter 8.1 - Recalculations	2025/04/04 14:03	Jiexia Zheng
Recalculations - Dioxines & Furanes (PCDD/F)	2025/04/02 14:36	Robert Kludt
Recalculations - Copper (Cu)	2025/04/02 14:35	Robert Kludt
Recalculations - Chromium (Cr)	2025/04/02 14:34	Robert Kludt
Recalculations - Arsenic (As)	2025/04/02 14:34	Robert Kludt
Recalculations - Mercury (Hg)	2025/04/02 14:33	Robert Kludt
Recalculations - Cadmium (Cd)	2025/04/02 14:33	Robert Kludt
Recalculations - Lead (Pb)	2025/04/02 14:32	Robert Kludt
Recalculations - Particulate Matter <2.5µm	2025/04/02 14:30	Robert Kludt
Recalculations - Total Suspended Particles (TSP)	2025/04/02 14:28	Robert Kludt
Recalculations - Particulate Matter <10µm	2025/04/02 14:26	Robert Kludt
Recalculations - Sulphur Oxides	2025/04/02 14:13	Robert Kludt
Recalculations - Black Carbon (BC)	2025/04/01 11:22	Michael Kotzulla
Recalculations - Polychlorinated Biphenyls (PCBs)	2025/04/01 10:55	Michael Kotzulla
Recalculations - Hexachlorobenzene (HCB)	2025/04/01 10:55	Michael Kotzulla
Recalculations - Polyaromatic Hydrocarbons 1 to 4	2025/04/01 10:39	Michael Kotzulla
Recalculations - Benzo[b]Fluoranthene	2025/04/01 10:34	Michael Kotzulla
Recalculations - Benzo[a]Pyrene	2025/04/01 10:33	Michael Kotzulla
Recalculations - Benzo[k]Fluoranthene	2025/04/01 10:32	Michael Kotzulla
Recalculations - Indeno[1,2,3-c,d]Pyrene	2025/04/01 10:32	Michael Kotzulla
Recalculations - Selenium (Se)	2025/03/31 12:29	Michael Kotzulla
Recalculations - Zinc (Zn)	2025/03/31 12:15	Michael Kotzulla
Recalculations - Nickel (Ni)	2025/03/31 08:57	Michael Kotzulla
Recalculations - Carbon monoxide (CO)	2025/03/29 12:53	Michael Kotzulla
Recalculations - Non-Methane Volatile Organic Compounds	2025/03/26 14:21	Michael Kotzulla
Recalculations - Nitrogen Oxides	2025/03/26 14:19	Michael Kotzulla
Recalculations - Ammonia	2025/03/25 13:19	Michael Kotzulla

8.2 Improvements

9 Projections

Page	Date	User
Additional measures that have not yet been implemented are assigned to the WAM scenario	2025/04/04 12:51	Andreas Eisold
Results - Overview	2025/04/04 12:44	Andreas Eisold
Recalculations	2025/04/03 21:20	Andreas Eisold
Calculation documentation	2025/04/03 13:01	Andreas Eisold
Measures that have already been implemented or measures whose implementation has been decided are assigned to the WM scenario.	2025/04/01 20:44	Andreas Eisold
Reported Projections 2025 - Overview	2025/03/31 16:12	Andreas Eisold
Introduction	2025/03/31 13:12	Andreas Eisold

10 Point Sources

11 Adjustments

Page	Date	User
Chapter 11 - Adjustments and Emissions Reduction Commitments	2025/04/01 15:28	Michael Kotzulla

NFR 1 - Energy

separated by NFR

Fuel Combustion - Energy Industries (NFR 1.A.1)

Page	Date	User
1.A.1.a - Public Electricity And Heat Production	2025/04/03 11:17	Özge Can
1.A.1.c - Manufacture Of Solid Fuels And Other Energy Industries	2025/03/28 10:32	Özge Can
1.A.1.b - Petroleum Refining	2025/03/28 10:27	Özge Can

Fuel Combustion - Industry (NFR 1.A.2)

Page	Date	User
1.A.2.g viii - Stationary Combustion in Manufacturing Industries and Construction: Other	2025/03/28 10:38	Özge Can
1.A.2.a - Stationary Combustion in Manufacturing Industries and Construction: Iron and Steel	2025/03/27 16:17	Michael Kotzulla

Fuel Combustion - Transport (NFR 1.A.3)

Page	Date	User
1.A.3.e i - Other Transport: Pipeline Transport	2025/04/03 14:19	Özge Can
1.A.3.c - Transport: Railways	2025/04/01 11:37	Michael Kotzulla
1.A.3.b i - iv - Emissions from fuel combustion in Road Vehicles (OVERVIEW)	2025/03/28 10:09	Michael Kotzulla
1.A.3.b - Transport: Road Transport	2025/03/28 09:34	Michael Kotzulla
1.A.3.d ii - National Navigation	2025/03/28 09:29	Michael Kotzulla
1.A.3.a ii (ii) - Domestic Civil Aviation: Cruise	2025/03/28 07:52	Michael Kotzulla
1.A.3.b iii - Transport: Road Transport: Heavy Duty Vehicles and Buses	2025/03/27 17:30	Michael Kotzulla
1.A.3.a i (ii) - International Civil Aviation: Cruise	2025/03/27 16:22	Michael Kotzulla
1.A.3.a i (i) - International Civil Aviation: LTO	2025/03/27 16:22	Michael Kotzulla
1.A.3.a ii (i) - Domestic Civil Aviation: LTO	2025/03/27 16:20	Michael Kotzulla
1.A.3.d i (i) - International maritime navigation	2025/03/27 13:23	Michael Kotzulla

1.A.3.b vii - Road Transport: Automobile Road Abrasion	2025/03/27 13:15	Michael Kotzulla
1.A.3.b vi - Road Transport: Automobile Tyre and Brake Wear	2025/03/27 13:03	Michael Kotzulla
1.A.3.b vi-vii - Road Transport: Automobile Tyre and Brake Wear and Road Abrasion	2025/03/27 12:55	Michael Kotzulla
1.A.3.b v - Gasoline Evaporation	2025/03/26 09:23	Michael Kotzulla
1.A.3.b ii - Transport: Road Transport: Light Duty Vehicles	2025/03/25 11:27	Michael Kotzulla
1.A.3.b i - Road transport: Passenger cars	2025/03/24 09:50	Michael Kotzulla

Fuel Combustion - Transport (NFR 1.A.4)

Page	Date	User
1.A.4.c.i - Agriculture/Forestry/Fishing: Stationary	2025/03/28 10:39	Özge Can
1.A.4.b i - Residential: Stationary Combustion	2025/03/28 10:39	Özge Can
1.A.4.c ii (a) - Off-road Vehicles and other Machinery: Agriculture	2025/03/28 10:12	Michael Kotzulla
1.A.4.a i - Commercial and Institutional: Stationary Combustion	2025/03/28 09:38	Özge Can
1.A.4 - Small Combustion: Mobile Sources (OVERVIEW)	2025/03/26 09:38	Michael Kotzulla
1.A.4.c ii - Agriculture/Forestry/Fishing: Off-Road Vehicles and Other Machinery	2025/03/25 13:03	Michael Kotzulla

Fuel Combustion - Transport (NFR 1.A.5)

Page	Date	User
1.A.5.a - Other, Stationary (including Military)	2025/03/28 11:47	Özge Can

Fugitive Emissions (NFR 1.B)

Page	Date	User
1.B - Fugitive Emissions from fossil fuels	2025/04/02 08:54	Christian Böttcher
1.B.2.b - Natural Gas	2025/04/02 08:28	Christian Böttcher
1.B.2.c - Venting and Flaring	2025/04/01 15:26	Michael Kotzulla
1.B.3 - Geothermal Energy	2025/04/01 15:24	Michael Kotzulla
1.B.1 - Solid Fuels	2025/03/28 11:15	Michael Kotzulla
1.B.2.a - Oil	2025/03/27 16:13	Michael Kotzulla

NFR 2 - Industrial Processes

separated by NFR

NFR 2.A - Mineral Industry

Page	Date	User
2.A.6 - Other Mineral Products: Ceramics	2025/04/03 11:21	Michael Kotzulla
2.A.5.b - Construction and Demolition	2025/04/03 11:21	Michael Kotzulla
2.A.5.a - Quarrying & Mining - Other Than Coal	2025/04/03 11:21	Michael Kotzulla
2.A.3 - Glass Production	2025/04/03 11:20	Michael Kotzulla
2.A.2 - Lime Production	2025/04/03 11:20	Michael Kotzulla
2.A.1 - Cement Production	2025/04/03 11:19	Michael Kotzulla
2.A - Mineral Industry (OVERVIEW)	2025/04/02 13:54	Robert Kludt

NFR 2.B - Chemical Industry

Page	Date	User
2.B.6 - Titanium Dioxide Production	2025/04/04 11:00	Jiexia Zheng
2.B.7 - Soda Ash Production	2025/04/02 16:09	Robert Kludt

NFR 2.C - Metal Production

Page	Date	User
2.C.2 - Ferroalloys Production	2025/04/02 13:34	Michael Kotzulla
2.C.7.b - Nickel Production	2025/04/02 13:20	Michael Kotzulla
2.C.5 - Lead Production	2025/04/02 13:18	Jens Reichel
2.C.6 - Zinc Production	2025/04/02 13:18	Jens Reichel
2.C.3 - Aluminium Production	2025/04/02 09:42	Michael Kotzulla
2.C - Metal Industry (OVERVIEW)	2025/04/01 17:11	Michael Kotzulla
2.C.7.c - Other Metal Production	2025/04/01 17:06	Michael Kotzulla
2.C.7.a - Copper Production	2025/04/01 15:40	Michael Kotzulla
2.C.1 - Iron & Steel Production	2025/03/27 18:33	Jens Reichel

NFR 2.D Other Solvent & Product Use

Page	Date	User
2.D - Solvent Use And Product Use (OVERVIEW)	2025/04/04 14:53	Jens Reichel
2.D.3.i - Other Solvent Use	2025/04/03 08:14	Michael Kotzulla
2.D.3.c - Asphalt Roofing	2025/04/02 16:11	Robert Kludt
2.D.3.b - Road Paving	2025/04/02 16:09	Robert Kludt
2.D.3.d - Coating Application	2025/04/02 15:45	Michael Kotzulla
2.D.3.h - Printing	2025/04/02 15:42	Michael Kotzulla
2.D.3.g - Chemical Products	2025/04/02 15:42	Michael Kotzulla
2.D.3.f - Dry Cleaning	2025/04/02 09:43	Jens Reichel
2.D.3.e - Degreasing	2025/04/02 09:41	Jens Reichel
2.D.3.a - Domestic Solvent Use, including Fungicides	2025/04/02 09:19	Jens Reichel

NFR 2.G Other Product Use

Page	Date	User
2.G(c) - Use of Charcoal for barbecues	2025/04/03 09:35	Michael Kotzulla
2.G(a) - Fireworks	2025/04/03 09:34	Michael Kotzulla
2.G(b) - Other Product use: Tobacco	2025/04/03 09:34	Michael Kotzulla
2.G.4 - Use of Lubricants	2025/04/03 09:31	Michael Kotzulla

NFR 2.H Pulp, Paper, Food

Page	Date	User
2.H.1 - Pulp and Paper Industry	2025/04/03 11:18	Michael Kotzulla
2.H.2 - Food & Beverages Industry	2025/04/03 11:17	Michael Kotzulla

NFR 2.I Wood Processing

NFR 2.J POP Production

NFR 2.K POP & HM Consumption

NFR 2.M Other Production, Consumption, Storage, Transportation or Handling of Bulk Products

Page	Date	User
2.L - Other Production, Consumption, Storage, Transportation or Handling of Bulk Products	2025/03/27 11:55	Michael Kotzulla
2.L(b) - Diffuse Emissions from Industrial Establishments	2025/03/27 11:43	Michael Kotzulla
2.L(a) - Handling of Bulk Products	2025/03/27 11:42	Michael Kotzulla

NFR 3 - Agriculture

Page	Date	User
Chapter 5 - NFR 3 - Agriculture (OVERVIEW)	2025/04/02 14:30	Jana Niebuhr

NFR 5 - Waste

Page	Date	User
5.B.1 - Biological Treatment of Waste: Composting	2025/04/03 10:25	Michael Kotzulla
5.E.2 - Other Waste: Building and Car Fires	2025/04/03 10:20	Michael Kotzulla
5.C.2 - Open Burning of Waste	2025/04/03 08:29	Robert Kludt
5.C.1.b v - Cremation	2025/04/02 16:20	Robert Kludt
5.D.2 - Industrial Wastewater Handling	2025/03/27 16:30	Michael Kotzulla
5.D.1 - Domestic & Commercial Wastewater Handling	2025/03/27 16:30	Michael Kotzulla
5.B.2 - Biological Treatment of Waste: Anaerobic Digestion at Biogas Facilities	2025/03/27 16:29	Michael Kotzulla
5.A - Biological Treatment of Waste: Solid Waste Disposal on Land	2025/03/27 16:28	Michael Kotzulla

NFR 11 - Natural Sources
