


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

## 8.2 Improvements

## 9 Projections

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

## 10 Point Sources

## 11 Adjustments

Page	Date	User
<a href="#">Chapter 11 - Adjustments and Emissions Reduction Commitments</a>	2025/04/01 15:28	Michael Kotzulla

## NFR 1 - Energy

separated by NFR

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

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

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

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

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

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

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

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

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

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

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

### Fugitive Emissions (NFR 1.B)

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

## NFR 2 - Industrial Processes

separated by NFR

### NFR 2.A - Mineral Industry

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

### NFR 2.B - Chemical Industry

Page	Date	User
<a href="#">2.B.6 - Titanium Dioxide Production</a>	2025/04/04 11:00	Jiexia Zheng
<a href="#">2.B.7 - Soda Ash Production</a>	2025/04/02 16:09	Robert Kludt

### NFR 2.C - Metal Production

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

### NFR 2.D Other Solvent & Product Use

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

### NFR 2.G Other Product Use

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<a href="#">2.G(c) - Use of Charcoal for barbecues</a>	2025/04/03 09:35	Michael Kotzulla
<a href="#">2.G(a) - Fireworks</a>	2025/04/03 09:34	Michael Kotzulla
<a href="#">2.G(b) - Other Product use: Tobacco</a>	2025/04/03 09:34	Michael Kotzulla
<a href="#">2.G.4 - Use of Lubricants</a>	2025/04/03 09:31	Michael Kotzulla

### NFR 2.H Pulp, Paper, Food

Page	Date	User
<a href="#">2.H.1 - Pulp and Paper Industry</a>	2025/04/03 11:18	Michael Kotzulla
<a href="#">2.H.2 - Food &amp; Beverages Industry</a>	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
<a href="#">2.L - Other Production, Consumption, Storage, Transportation or Handling of Bulk Products</a>	2025/03/27 11:55	Michael Kotzulla
<a href="#">2.L(b) - Diffuse Emissions from Industrial Establishments</a>	2025/03/27 11:43	Michael Kotzulla
<a href="#">2.L(a) - Handling of Bulk Products</a>	2025/03/27 11:42	Michael Kotzulla

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## NFR 3 - Agriculture

Page	Date	User
<a href="#">Chapter 5 - NFR 3 - Agriculture (OVERVIEW)</a>	2025/04/02 14:30	Jana Niebuhr

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## NFR 5 - Waste

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

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## NFR 11 - Natural Sources

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