

IIR 2021 Final

- [start](#)
- [about](#)
- [authors](#)
- [summary](#)
- [general](#)
- [inventory_background](#)
- [institutional_arrangements](#)
- [inventory_preparation](#)
- [method_data](#)
- [key_categories](#)
- [quality_verification](#)
- [uncertainty_evaluation](#)
- [assessment_completeness](#)
- [trends](#)
- [emission_trends_nitrogen_oxide](#)
- [emission_trends_sulfur_dioxide](#)
- [emission_trends_non_methane_volatile_organic_compounds](#)
- [emission_trends_ammonia](#)
- [emission_trends_carbon_monoxide](#)
- [emission_trends_total_suspended_particulate_matter](#)
- [emission_trends_pm10](#)
- [emission_trends_pm2.5](#)
- [emission_trends_bc](#)
- [emission_trends_persistent_organic_pollutants](#)
- [state-of-pop-inventory](#)
- [emission_trends_heavy_metals](#)
- [sector](#)
- [energy](#)
- [fuel_combustion](#)
- [energy_industries](#)
- [public_electricity_and_heat_production](#)
- [petroleum_refining](#)
- [manufacture_of_solid_fuels_and_other_energy_industries](#)
- [industry](#)
- [iron_and_steel](#)
- [non-ferrous_metals](#)
- [chemicals](#)
- [pulp_paper_and_print](#)
- [food_processing_beverages_and_tobacco](#)
- [non-metallic_minerals](#)
- [other](#)
- [mobile_combustion_in_manufacturing_industries_construction](#)
- [transport](#)
- [civil_aviation](#)
- [international_civil_aviation_-_lto](#)
- [domestic_civil_aviation_-_lto](#)
- [international_civil_aviation_-_cruise](#)
- [domestic_civil_aviation_-_cruise](#)
- [road_transport](#)
- [emissions_from_fuel_combustion_in_road_vehicles](#)
- [passenger_cars](#)
- [light_duty_vehicles](#)
- [heavy_duty_vehicles](#)
- [mopeds_and_motorcycles](#)
- [fugitive_emissions_from_gasoline_evaporation](#)
- [abrasive_emissions_from_road_vehicles](#)
- [tyre_and_brake_wear](#)
- [road_abrasion](#)
- [railways](#)

- navigation
- national_navigation
- international_maritime_navigation
- international_inland_waterways
- other_transport
- pipeline_transport
- small_combustion
- stationary_small_combustion
- commercial_institutional
- agriculture_forestry_fishery
- residential
- mobile_small_combustion
- commercial_and_institutional
- residential
- agriculture_and_forestry
- agriculture
- forestry
- fishing
- other_including_military
- stationary_fuel_combustion_in_military_facilities
- military_transport
- ground-based
- military_aviation
- military_navigation
- fugitive
- solid_fuels
- oil_and_natural_gas
- oil
- gas
- flaring
- geothermal
- ippu
- mineral_industry
- cement_production
- lime_production
- glass_production
- quarrying_mining
- construction_demolition
- storage_handling_transport_minerals
- other_mineral_products
- chemical_industry
- ammonia_production
- nitric_acid_production
- adipic_acid_production
- carbide_production
- titanium_dioxide_production
- soda_ash_production
- other
- storage_handling_transport_chemicals
- metal_production
- iron_and_steel_production
- ferroalloys_production
- aluminum_production
- magnesium_production
- lead_production
- zinc_production
- copper_production
- nickel_production
- other_metal_production
- storage_handling_transport_metals
- other_solvent_and_product_use
- domestic_solvent_use

- road_paving
- asphalt_roofing
- coating_applications
- degreasing
- dry_cleaning
- chemical_products
- printing
- other_solvent_use
- other_product_use
- fireworks
- tobacco
- charcoal
- pulp_paper_food
- pulp_and_paper_industry
- food_and_beverages
- other_industrial_processes
- wood_processing
- pop_production
- pops_and_hm_consumption
- bulk_products
- handling_of_bulk_products
- diffuse_emissions_from_industrial_establishments
- agriculture
- manure_management
- agricultural_soils
- 3df_agriculture_other
- field_burning
- agricultural_other
- waste
- biological_treatment_solid_waste_disposal
- biological_treatment_composting
- biological_treatment_anaerobic_digestion_at_biogas_facilities
- cremation
- open_burning
- domestic_and_commercial_wastewater_handling
- industrial_wastewater_handling
- other_waste
- mechanical-biological_treatment
- building_and_car_fires
- natural_sources
- forest_fires
- recalculations
- nitrogen_oxides
- nmvoc
- sulphur_oxides
- ammonia
- pm2.5
- pm10
- tsp
- bc
- carbon_monoxide
- lead
- cadmium
- mercury
- arsenic
- chrome
- copper
- nickel
- selenium
- zinc
- dioxines
- bap

- [bbf](#)
- [bkf](#)
- [ixp](#)
- [pah](#)
- [hcb](#)
- [pcb](#)
- [planned_improvements](#)
- [projections](#)
- [introduction](#)
- [calculation_documentation](#)
- [wm-scenario](#)
- [wam-scenario](#)
- [adjustments](#)
- [recalculations](#)
- [point_sources](#)
- [gridded_data](#)
- [adjustments](#)
- [adjustment_de-a](#)
- [adjustment_de-b](#)
- [adjustment_de-c](#)
- [adjustment_de-d](#)
- [appendices](#)
- [appendix1_the_key_category_analysis](#)
- [appendix2_detailed_mehodological_descriptions](#)
- [appendix2.1_reporting_of_pm_emissions](#)
- [appendix2.2-road-transport](#)
- [appendix2.3-hm-from-mobile-sources](#)
- [appendix2.4_pops_from_mobile_sources](#)
- [appendix3_further_elaboration_of_completeness](#)
- [appendix4_the_national_energy_balance](#)
- [appendix5_addtional_information](#)