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# The experience of the **VIIAS WG**

has **common roots** in the **main activities** carried out by the **Working Group** coordinated by the **Industrial and Environmental Hygiene Unit - Laboratory of Environmental Chemistry and Toxicology - Department of Environment and Health of the IRFMN** as part of **Monitoring Plans, Studies and Integrated Environmental and Health Impact Assessments**.

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(1997) Industrial hygiene study to determine qualitatively and quantitatively the mass flow of combustion fumes of the MSW incineration plant managed by TERMOMECCANICA with determination of the efficiency of the purification plants after plant restructuring. (Province of VERCELLI)



(1998-2002) Industrial Hygiene Studies to determine qualitatively and quantitatively the mass flow of combustion fumes of the AMSA MSW incineration plants in via Zama and Figino in Milan and in the context of the testing of lines 1 and 2, determination of the efficiency of the purification plants of the new ASM MSW waste-to-energy plant. (ASM Brescia and AMSA Milan)

(2003-2005) Environmental Impact Studies (EIA) before and after the modernization of the MSW waste-to-energy plants ACEGAS\_APS in Trieste.



(2005-2006) Study for the evaluation of environmental healthiness in the municipality of Lomello (PV);

(2006-2007) Environmental impact study post-construction of the TME plant in Gioia Tauro (RC).

(2007-2008) Monitoring of air quality in relation to the diffusion of organic and Inorganic, as part of the health risk assessment in the area of the site of national interest "BresciaCaffaro" – ISS-ISTITUTO SUPERIORE DELLA SANITÀ

(2007-2013) Study on the presence of xenobiotics in the urban wastewater cycle within the framework of the Operational Programme "ERDF of the Autonomous Province of Bolzano South Tyrol"

(2008) Health and Hygiene Assessment (VIS) of the cocombustor project in the LUCART Paper Mills (LU);

(2008) Health and Hygiene Impact Assessment of a biomass thermal power plant located in the Bevera hamlet of the Municipality of Ventimiglia (IM);

(2008) Health and Hygiene Evaluation of the third line project of the ACEGAS APS MSW incinerator in Padua

(2009) Health and Hygiene Assessment of the MSW incinerator project in the Municipality of Sant'Urbano (PD);

(2009-2011) Evaluation and identification of innovative methodologies for the characterization of biogas emissions from landfills (ITFM-ITRA toxicological indices of Mass Flow and Environmental Risk) TUSCANY REGION

(2010-2013) Environmental monitoring and toxicological assessments for the enhancement and protection of the healthiness of Lake Garda. (Municipality of Peschiera- Garda UNO spa - Gardesana Servizi spa company - Rotary and Lions Cubs)

(2010-2014) Assessment of Environmental Healthiness in the municipalities of Lomellina (PV) adhering to CLIR;

(2010-2014) Hygienic and Health Assessment of Air Quality in the municipalities of Padua and Noventa Padovana and of the impact of the RSU-ACEGAS-APS waste-to-energy plant

(2011) Health and Hygiene Assessment of the ECOSAVONA landfill of MSW in the province of Savona (SV);

(2011) Preliminary Health and Hygiene Assessment of a biomass thermal power plant located in the Municipality of Calizzano-Savona Municipality of Calizzano

(2011-2012) Health and Hygiene Assessment of the impact of a hospital waste incinerator (ROT) of PadernoEnergia in the municipality of Paderno Dugnano (MI)

- (2011-2012) Environmental Health Assessment in **the Municipality of Gorla Maggiore** and in **10 municipalities of lower Brianza (VA-CO-MI)**;
- (2011-2024) industrial hygiene investigations on ducted airborne emissions for the search for organic and inorganic micropollutants with Long Term **techniques (aza\_ECOLOMBARDIA4)**
- (2014) Health Impact Assessment in the municipalities involved in the S.S.340 "Regina" variant project in Tremezzina (**Province of Como**)
- (2014) Health Impact Assessment in the municipalities involved in the project of the new intermodal terminal of Milano Smistamento (**Terminal AlpTransit S.r.l. \_ FSLogistica-Hupac**)
- (2014) Health Impact Assessment in the municipalities involved in the project of the New Shopping Centre of Segrate (**Westfield Europe ltd**)
- (2014) Integrated Environmental and Health Impact Assessment of a Toxic Waste Incinerator in Filigo – BG (**ECOLOMBARDIA4**)
- (2014-2015) Toxicological Risk Assessment from Exposure to Toxic and/or Carcinogenic Chemical Agents for workers of the **WTE plants of Padua and Trieste (ACEGAS APS AMGA)**
- (2014-2015) Health Impact Assessment related to the EIA of a MSW and District Heating Co-incineration plant in Piacenza (**TECNOBORGO spa**)
- (2015) Assessment of the Health and Ecotoxicological Impact of excavated earth and rocks related to the Third Pass MI\_GE High Speed project. (**COCIV**)
- (2015) Assessment of the Health and Ecotoxicological Impact of excavated earth and rocks related to the project of the New Metro Line in Catania (**CMC**)
- (2015-2016) LANDMONITORING PROJECT - Validation campaign of the diffusive model in the field with the use of tracers at the Bolzano waste-to-energy plant (**ECOCENTER-BZ**)
- (2015-2017) Assessment of the Health and Ecotoxicological Impact of excavated earth and rocks related to the project relating to the Ogliastrillo-Castelbuono railway doubling (Cefalù) **TOTO spa Costruzioni Generali**
- (2015-2017) Environmental and Health Impact Assessments of human activities and of the Provincial Road in the municipality of Lomello, PV (**Municipality of Lomello**).
- (2015-2019) **CE LIFE COBRA projects and CE Horizon2020 LOWBRASYS project** for the integrated assessment of the Environmental and Health Impact of an innovative braking system also with specific "green pads" developed by **BREMBO in collaboration with FORD, CONTINENTAL TEVES, FEDERAL MOGUL, FLAME SPRAY, CGT ITALCEMENTI**.
- (2016) Integrated Environmental and Health Impact Assessment of a PV Turbid Tyre Gasifier (**TIRE**)
- (2016) Assessment of the Health and Ecotoxicological Impact of excavated earth and rocks related to the project of New railway line in the province of Caltanissetta (**Empedocle2**)
- (2016) Assessment of the Health and Ecotoxicological Impact of excavated earth and rocks related to the electrified doubling project of the Palermo Centrale – Carini railway line (**SIS Stable Consortium**)
- (2016-2017) Integrated Environmental and Health Impact Assessment of a landfill of waste containing Asbestos in Montichiari –BS (**ECOETERNIT**)
- (2016-2017) Integrated Environmental and Health Impact Assessment of the new special waste incinerator project of **A2A Ambiente** in the municipality of Corteolona-Genzone (PV)
- (2018) Applied research with Toxicological and Risk Assessment for Human Health and Evaluation of the Ecotoxicological Suitability of excavated earth and rocks with Conditioning Chemicals in a mesocosm study for the AVAC Brescia Verona railway line (**CEPAV DUE**).
- (2018) Environmental and Health Monitoring Plan for the determination of the impact on health in the area surrounding an Industrial Waste Incineration Furnace in the province of BG. (**aza\_ECOLOMBARDIA4**).
- (2018) Health Impact Assessments of the incinerator of the municipality of Spilimbergo (PN) managed by the ECOERIDANIA group (**Eco Mistral ECOERIDANIA**).
- (2019\_2020) Examination of the Health Impact Assessment document "Variant Improvement to the Management of the Sant'Urbano Regional Tactical Landfill" (**Municipality of Sant'Urbano PD**)



(2020) Health Impact Assessments of the Holcim cement plant in the province of Varese (UNINSUBRIA)

(2020-2022) "SLUDGE" (Advanced forms of sewage sludge management in a Lombardy Innovative Hub) LOMBARDY REGION

(2021) Preliminary ecotoxicological study as part of the Final Design assignment of the Politecnico-Rebaudengo section of Line 2 of the Turin Automatic Metro (INFRA. TO)

(2021-2024) PMAS ante operates as part of the Integrated Environmental and Health Impact Assessments (VIAS) relating to the project of the new waste-to-energy plant for special non-hazardous waste in Corteolona-Genzone (PV) (aza Environment)

(2022-2024) Health Impact Assessment according to the guidelines proposed by R. L. 2016, and ISPRA.2015, preliminary and preparatory to the V.I.S. according to ISS 2019 guidelines (MONTELO spa)



Based on these *experiences*,  
*work and human resources*,  
with the aim of providing a  
*Excellence service*

in the integration between VIA, VIS, VDS and PMAS,  
*reserving to the WG.VIS. IMN the health approach*  
*and reserving the environmental approach to the*  
**WG.VIA#ecologja**

the **WG VIAS was formed. IMN #ecologja**  
to carry out **Integrated Environmental and Health Impact**  
**Assessments**

formalized by a TECHNICAL-SCIENTIFIC AGREEMENT **IMN #ecologja** signed in December 2022.

Since February 2026, following the signing of a similar **UNINS#ecologja FRAMEWORK**  
**AGREEMENT** with the Department of Medicine and Surgery of the University of Insubria, the

**GdL.VIIAS. IMN.UNINS#ecologja**

MILAN March 2026

