Impact of the petrochemical complex of Tarragona on human health

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WP1 – Risk perception

Aims to determine the perception of petrochemical risk on the life and health of the population and relate it to its sociodemographic characteristics to assess the environmental justice of the territory.

WP2 – Clinical data

Aims to retrieve large data sets of adverse health outcomes (e.g., respiratory, inflammatory, neurodegenerative diseases) from residents living near the petrochemical complex and to compare the health status with a control population

WP3 - Biomarkers

Aim to assess the impact of toxic chemicals on health of the residents of Tarragona (e.g. cancer and respiratory diseases). To do so, a comparison between the levels of biomarkers of exposure and effect from residents living near the petrochemical and a control group living far from the complex will be conducted.

WP4 – Neuropsychology, psychology and emotions

Aims to study the neuropsychological changes, psychological effects and emotional disturbances related to live near this petrochemical complex

OBJECTIVE: To assess the impact of the petrochemical complex of Tarragona on human health

WP5 – Cancer

Aims to assess the incidence of cancer from population living near to petrochemical complex compared to population of whole Tarragona province

WP6 – Fertility

Aims to assess the impact of the petrochemical complex of Tarragona - and the related exposure to environmental toxics - on male infertility by means of a population cohort

WP7 – Respiratory viruses and immunotoxicity

Aims to assess the impact of toxic chemicals on respiratory diseases (e.g. asthma and allergies) from residents living near the petrochemical complex, through the comparison of the level of cytokines with a control group.

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