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- He is a medical doctor qualified in Bologna, Italy with human physiology research experience, clinical experience of several years in Italy and UK, and specialised in public health with training in Italy, the Netherlands and the UK (Fellow of the Faculty of Public Health).
- He has contributed to studies on air pollution effects on children, water contamination and effects on cancer, persistent organic pollutants and effects on endocrine and immune systems, as well evaluation of health effects of heat or flooding during and after extreme weather events. He has acted as expert for major international organisations (WHO, World Bank), including Euroheat study of heatwaves and health across Europe. He is the data guardian (PHE Associate Caldicott Guardian) for the PHE Centre for Radiation Chemical and Environmental Hazards.
- He is a Past President of the Section of Epidemiology and Public Health of the Royal Society of Medicine, and has organised several scientific and educational events on the theme of environmental public health and society.

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