
FULVIO AMATO

CV

SCIENTIFIC LEADER AT:

URBAN AIR QUALITY: THE CHALLENGE OF NON-EXHAUST ROAD TRANSPORT EMISSIONS

July, 11th and 12th, 2013, Barcelona

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Fulvio Amato Ph.D., is researcher at the Institute of Environmental Assessment and Water Research (IDAEA) Spanish Research Council (CSIC). He has co-authored over 40 publications between peer-reviewed articles, book chapters, and books and participated in more than 40 national and international research projects on atmospheric pollution. He has specialized in Atmospheric Modelling at the Center for Air Resources Engineering and Sciences (NY-USA, 2008) and at TNO, Dutch Organization for Applied Research (The Netherlands, 2011-2013). His research focuses on atmospheric pollution, with special interest on urban air quality and road transport emissions. The main goal is the understanding of sources of atmospheric particulate matter (PM) and nitrogen oxides (NO_x), chemical and physical processes, impact on air quality, health effects and possible mitigation. Among PM sources, particular attention is given to non-exhaust emissions from road traffic (such as brake-tire-road wear and road dust resuspension) since their burden on air quality is expected to increase in the near future and dominate PM emissions in cities.

Dr. Amato has served as national and international advisor for environmental agencies, scientific committees, and authorities. He is a member of the EU drafting committee for a European standardised Receptor Models Technical Protocol and of the Referee pool of the new U.S.-Environmental Protection Agency (US EPA) receptor model.

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