

# **Soot particulates**

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## **Abstract**

This presentation focuses on the nanostructure of soot particulates from anthropogenic and biomass combustion sources, especially from an EURO-IV standard diesel engine, investigated by quantitative high-resolution electron microscopy (HRTEM). Correlations between the nanostructure of soot and its emission source on one side and its chemical reactivity on the other side have been established. Consequences for climatic change, human health and on emission regulation are discussed.