



**Work Package 5, Health, Safety and Environment**

**Baseline Studies v1.1, July 2009**

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ObservatoryNANO is a large scale project which aims to create an European observatory on Nanotechnology to present reliable, complete and responsible science based and economic expert analysis across technology sectors, establish dialogue with decision makers and others regarding the benefits and opportunities, balance against the barriers and risks, and allow them to take action to ensure that scientific and technological developments are realised as socio-economic benefits.

IOM leads Work Package Five (WP5) in this project: Health, Safety and Environmental impacts. Other partners in WP5 are CEA, RIVM & EMPA.

The tasks under WP5 may be split into two main parts:

1. Identification of a number of organisations or groups to establish liaisons with, develop a plan of the most productive method by which to liaise with each, implement that liaison, review the outputs from these organisations, and summarise these outputs as annual reports.
2. Examine the scientific and technical outputs from the other parts of the observatory, assess whether there are any health, safety or environment implications of these and summarise these as annual reports.

All annual reports and all other WP5-related literature will be disseminated via the ObservatoryNANO website, and at scientific conferences, workshops and other meetings.

Deliverables D5.3.1 – 5.3.4: Annual updates – Health, Safety, and Environment (EHS), are due annually within months 12, 24, 36 and 48 of the project. To support this activity, a number of studies to be used by the Work Package 5 partners as baseline knowledge resources in their appraisal of the EHS aspects of the technical sector reports have been agreed, and are outlined within the following document.

Those resources outlined have been collated from both peer reviewed journal papers, and sources of grey literature including government and quasi-government sponsored reports, technical documents, project reports and guidance documents.

To increase accessibility, literature sources have been categorised according to area of relevance, as follows:

- General Toxicology
- Ecotoxicology
- Characterisation for Toxicology
- Characterisation for Exposure Assessment
- Fate & Behaviour
- Occupational Hygiene
- Risk Assessment & Management

WP5 members recognise that whilst this document has been produced as an early deliverable within project, it will grow and develop during the lifespan of ObservatoryNANO. To reflect this, those resources included will be reviewed on a yearly basis, but may be updated more frequently as appropriate.

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