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BAuA workshop on Safe handling of nanomaterials at workplaces 27-28 November 2012

Working Session 3 Practical guideline – What do we expect?

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Where do we need guidance?

- Risk Assessment
 - **Hazards of nanomaterials** (REACH fails for low production volumes, invitro-tests for comparative assessment
 - Exposure from different activities
- Substitution, Safer-by-design (use of toxicological knowledge)
- Bridge the gap between scientific knowledge and practical OSH
- Selection of efficient (performance) and cost-effective controls
- Motivation of management to accept and to pay for controls (regulatory basis)
- Awareness and Motivation of workers/scientists to protect their own health (practical support, training, test, voluntary certification,
- Nanomaterials vs. other (new developed / existing) chemicals used in laboratories and start-ups





What is required for a good guidance?

Specification of:

- Relevant activities (dust-generating procedures, spraying)
- Groups of nanomaterials (GBP, fibers, specific toxicity, soluble)
- **Relevant exposure routes** (inhalation general dust, alveolar dust)
- Standards for exposure assessment (measurement techniques, reference values, control banding)
- Education, training, workers participation (also working session 2)
- Recommendations for cleaning, storage and disposal
- Recommendations for health surveillance
- Risk mitigation techniques
- Updatable to new results from Science, that influence control strategies