
US-EU Workshop on Bridging nanoEHS Research Efforts

Session 5: Roundtable Discussion on Standardization

December 3, 2013

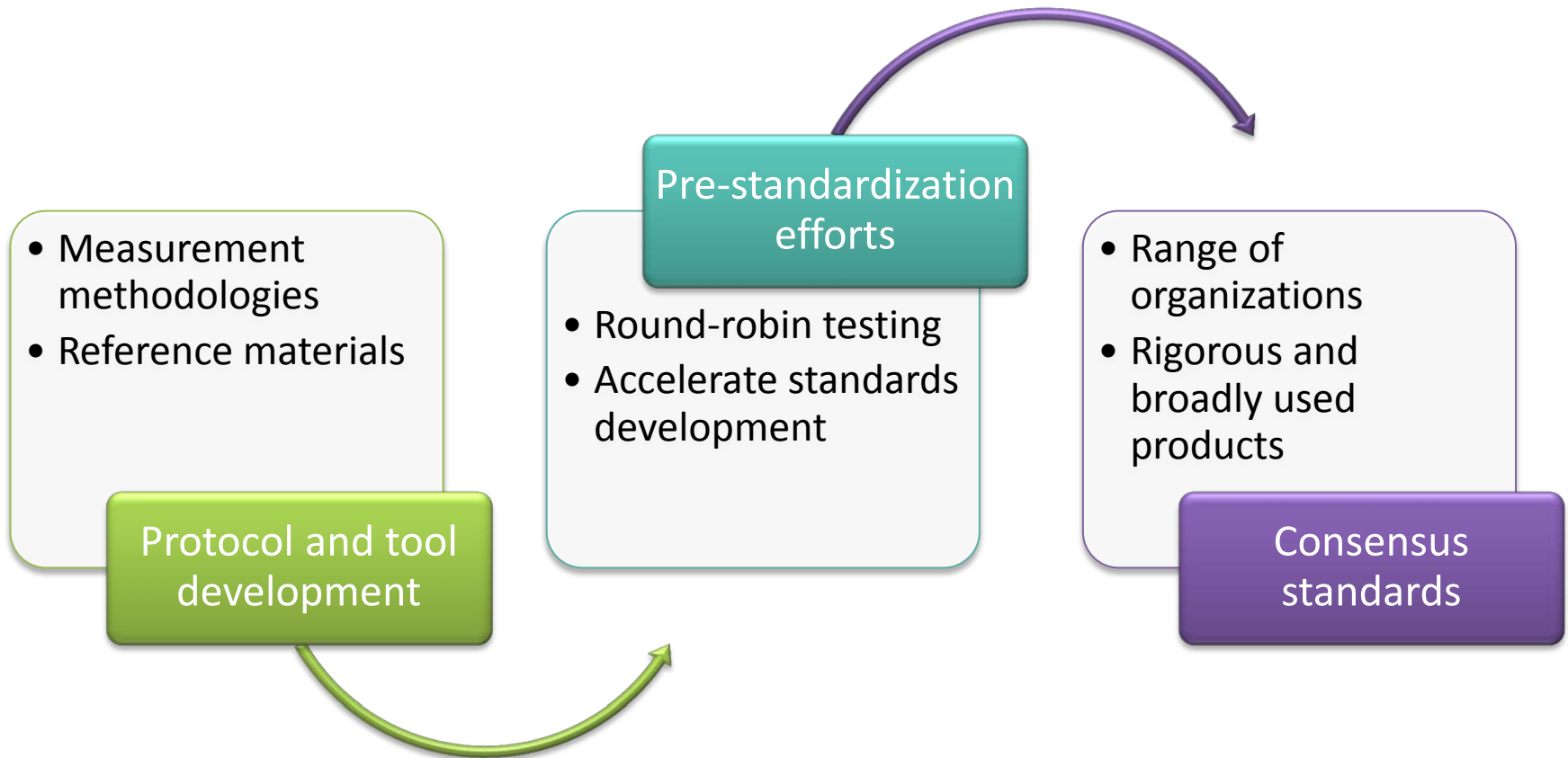
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Standards

- Term used to mean different things:
 - Physical standard (e.g., realization of a SI unit)
 - Reference material
 - Measurement protocol
 - Documentary standard
 - Technical specification
 - Technical guideline or guidance document
 - Best practice
- Important role for all of the above in enabling nanoEHS efforts

nanoEHS Standardization Approach



Focus Areas for Nanotech Standardization

Terminology

- “What do you call it”

Measurement

- “How you measure it”

EHS

- “What effect it may have on health and environment”

US-EU Cooperation in Standardization for nanoEHS

- Strong imperatives for cooperation
- Significant collaboration already underway:
 - Generating data
 - Validating data
 - Development of test protocols and methodologies
 - Pre-standardization validation
 - Some areas of consensus standards development
- Significant benefits to cooperation in standardization

The standards cooperation puzzle

- Two faces of the standards/standardization coin:
 - Cooperation and collaboration
 - Competition
- Mutually exclusive?
- Modular approach – common data and common standards as two of the fundamental building blocks
- Help bridge differences in regulation

Standards Bridging nanoEHS efforts

- Shared vision
 - Standards needs
 - Priorities
- Shared effort
 - Limited resources
 - Mostly voluntary activities
- Increased awareness
 - Available resources
 - Informing others
- Engagement
 - Standards development
 - Standards use
 - Feedback

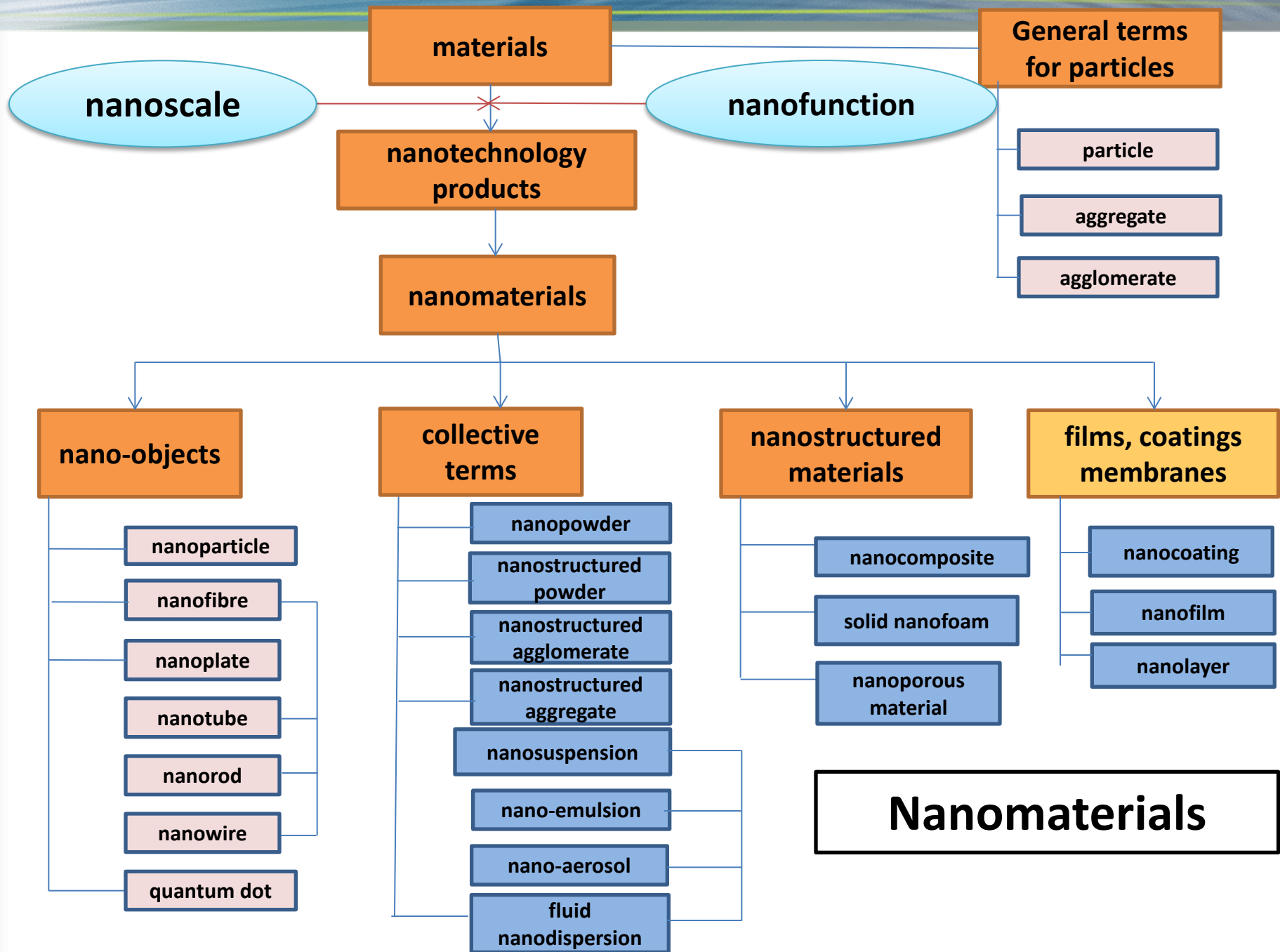
DISCUSSION

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REFERENCE INFO



ISO WG3 ROADMAP

Standard Methods for Controlling Occupational Exposures to NMs

Standard Methods for Determining Relative Toxicity/Hazard Potential of NMs and Toxicological Screening of NMs

Standard Methods for Environmentally Sound Use of Nanomaterials

Standard Methods for Ensuring Product Safety

General Health Safety and Environmental Standards
