

International Workshop on Documentary Standards for Measurement and Characterization in Nanotechnologies

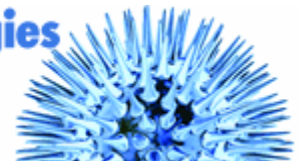
Prioritization and agreed actions



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Coordination of (ISO) activities

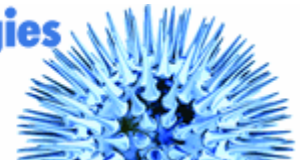
- Liaison structure in place – need the mechanism!
- TC229 liaisons with TC24, TC146, TC194, TC201, TC202, TC209, TC213, IEC/TC113 and OECD
- Participation of many relevant NMIs through National participation in TC229
- Propose forming a “Nanotechnologies Liaison Coordination Group”, which will meet formally together at each TC229 plenary week
 - Proposed membership: liaison officers from each TC and/or relevant SC, liaison from regional NMI’s, liaison from OECD WPMN, convenors of TC 229 WGs, 229 chair and secretary
 - Proposed terms of reference: to coordinate and harmonize the work of relevant TC’s in the field of nanotechnologies and to identify cross cutting gaps and opportunities and ways to resolve these.



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Practical actions – fundamental property characterization

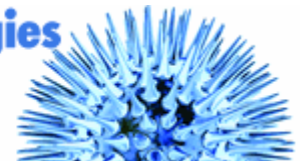
- Need for several guides identified:
- Practice guides/guidance documents (to include EHS issue consideration) on
 - what information is needed when handling/using nanoparticles
 - suite of measurement techniques that go together and the information the combined data set might provide (what measurement techniques are applicable and what are their limitations);
 - Sample preparation for characterization, including consideration of dispersion and aggregation/agglomeration;
 - Sample preparation for toxicology testing;
 - Stability considerations relevant to manufactured nanomaterials;
 - Application and limitation of surface analysis to nanoparticles;
 - Expression of concentration and dosimetry.
- Who will produce and on what timescale?



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Freely accessible and searchable terminology database

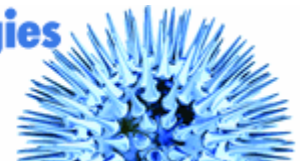
- ISO have a mechanism – “concept database” designed precisely for this.
- Propose that preparation is coordinated through ISO/TC229/WG1 – Clive Willis



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Database of existing and newly developing standards for nanotechnologies

- Propose that this is assembled and maintained by NIST



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