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*NanoSafety
Cluster*

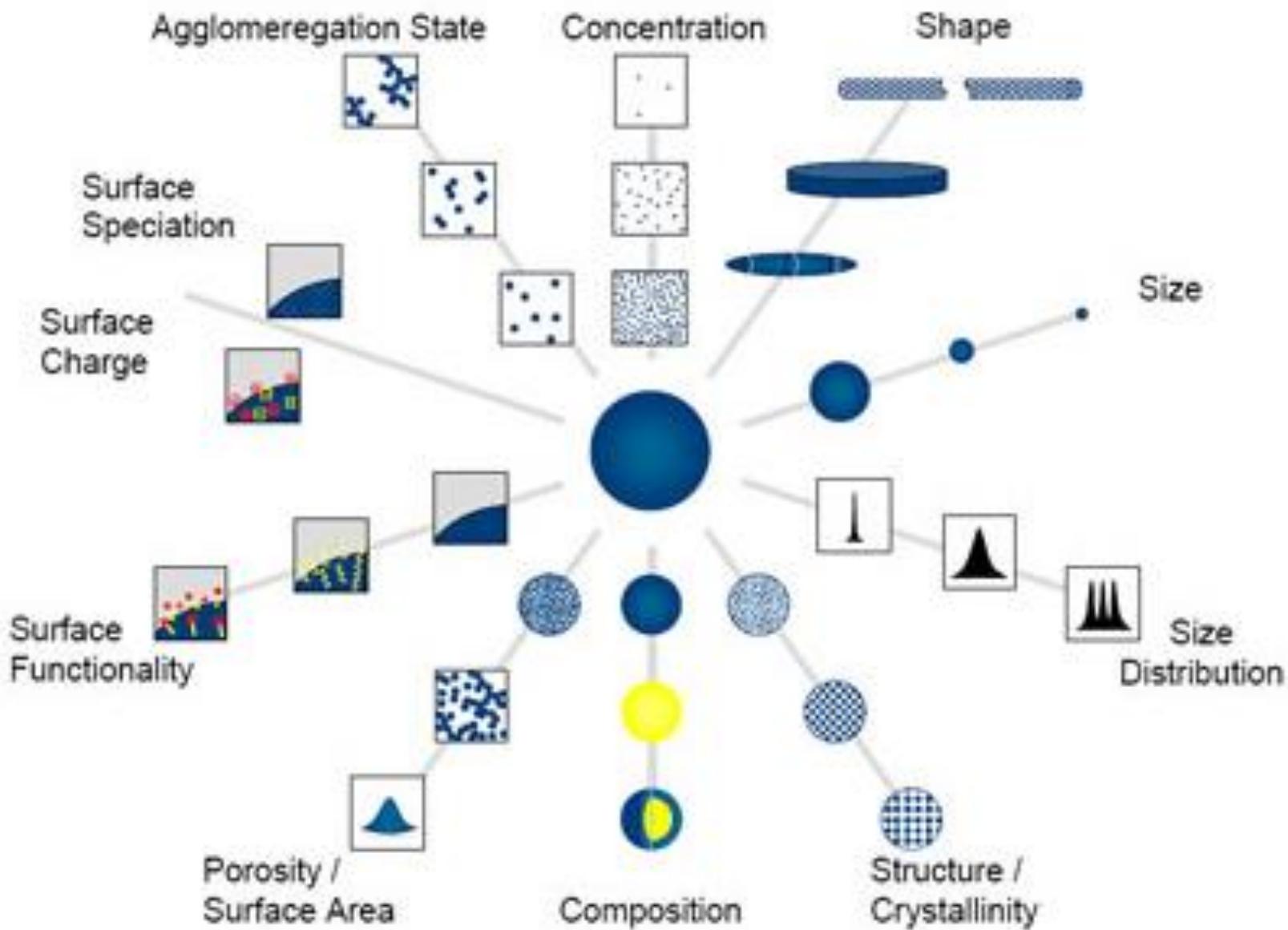


ACEnano
Analytical and Characterisation Excellence

Analytical innovation for nanomaterial characterization: improving confidence in risk assessment

*Éva Valsami-Jones
University of Birmingham*

Challenges in detection & characterisation





Pathways to analytical innovation

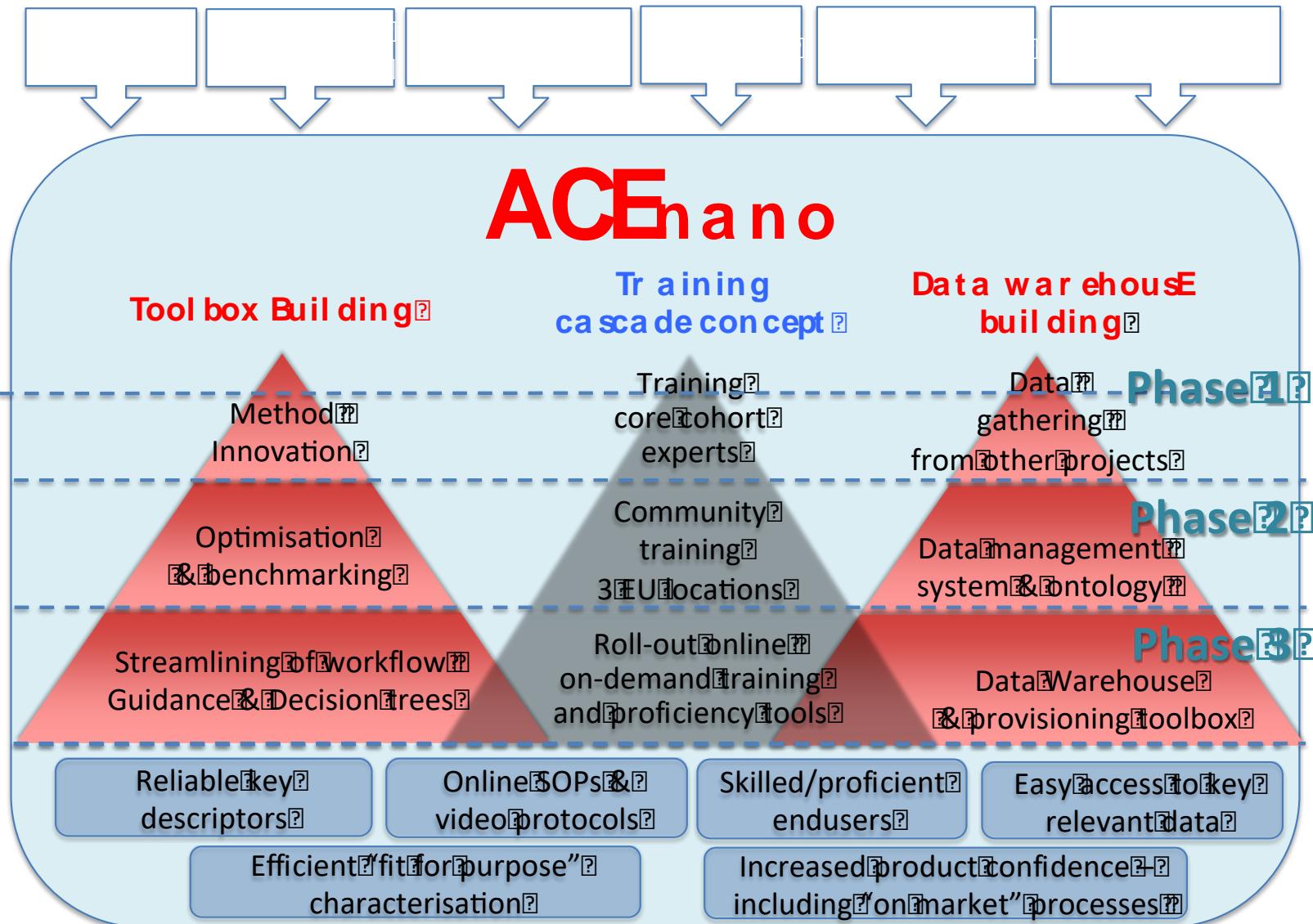
1. Direct particle size and multi-element composition analysis

2. Method development and hyphenation

3. Extension of the range of characterisation assays

4. Method miniaturisation and simplification

5. Harmonization of sample introduction



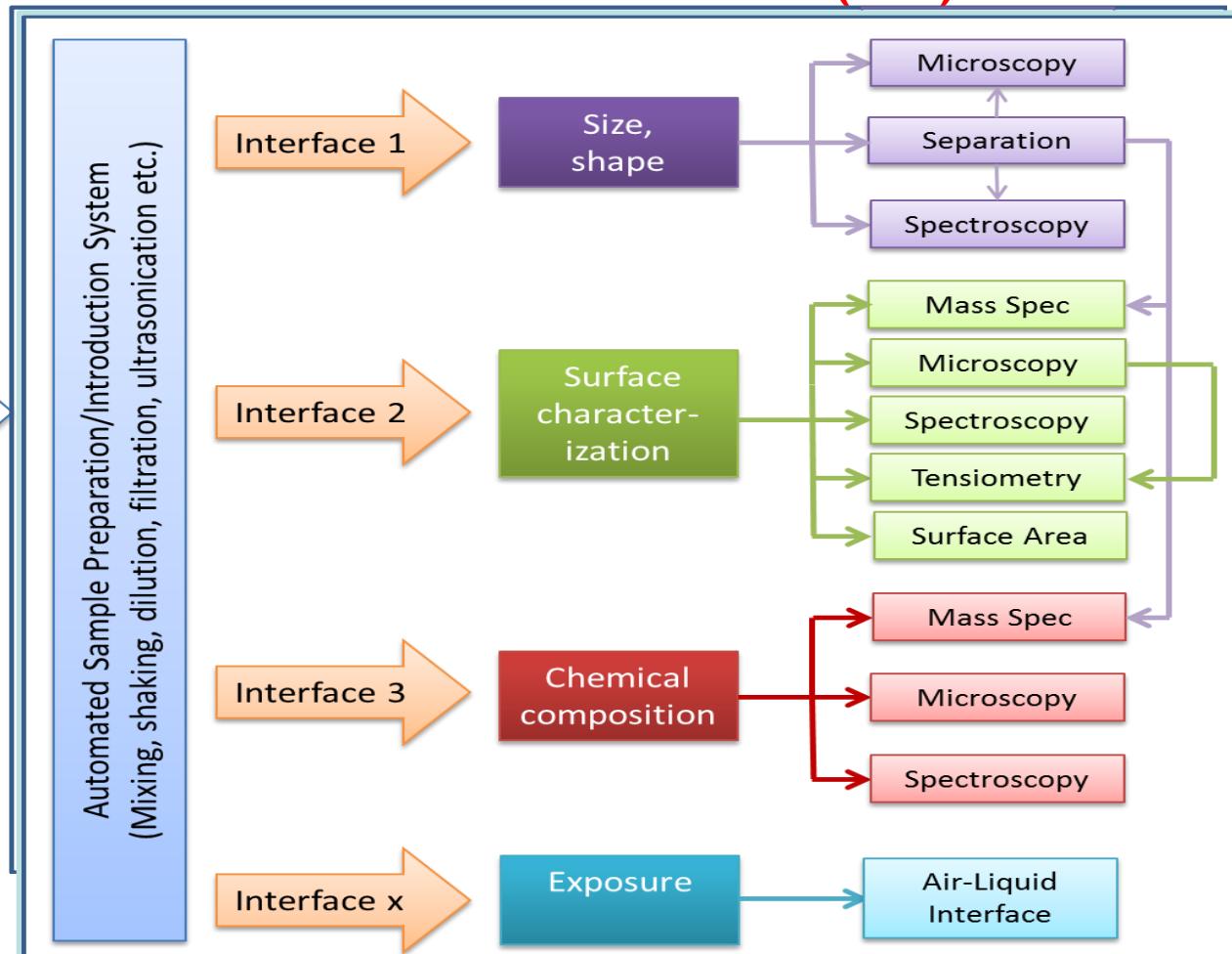
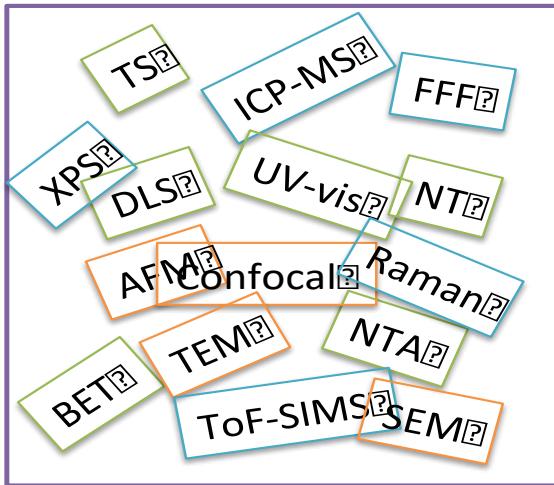


Current nanosafety toolbox



Future nanosafety toolbox

Tier ed access (1→4)





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