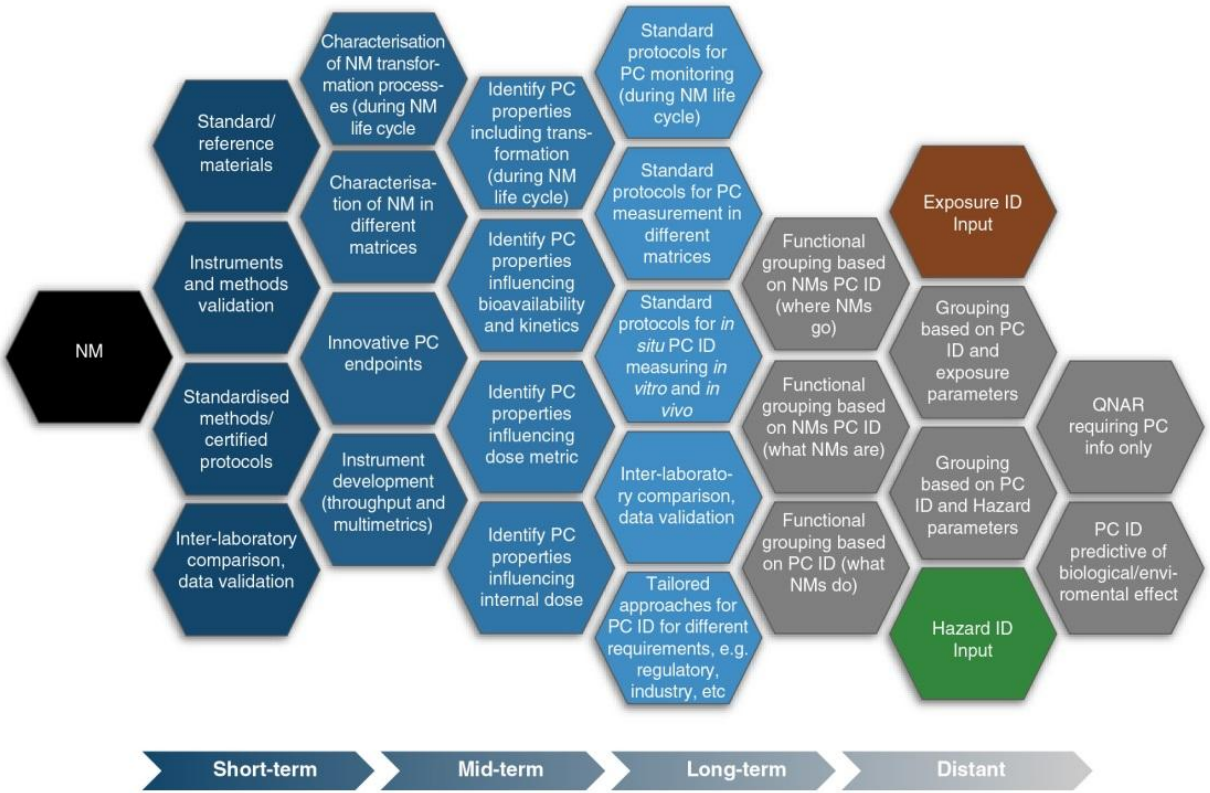
NM
Standard/ reference materials
Instruments and methods validation
Standardised methods/ certified protocols
Inter-laboratory comparison, data validation
Characterisation of NM transformation processes (during NM life cycle
Characterisation of NM in different matrices
Innovative PC endpoints
Instrument development (throughput and multimetrics)
Identify PC properties including transformation (during NM life cycle)
Identify PC properties influencing bioavailability and kinetics
Identify PC properties influencing dose metric
Identify PC properties influencing internal dose
Standard protocols for PC monitoring (during NM life cycle)
Standard protocols for PC measurement in different matrices
Standard protocols for *in situ* PC ID measuring *in vitro* and *in vivo*
Inter-laboratory comparison, data validation
Tailored approaches for PC ID for different requirements, e.g. regulatory, industry, etc
Functional grouping based on NMs PC ID (where NMs go)
Functional grouping based on NMs PC ID (what NMs are)
Functional grouping based on PC ID (what NMs do)
Exposure ID Input
Grouping based on PC ID and exposure parameters
Grouping based on PC ID and Hazard parameters
Hazard ID Input
QNAR requiring PC info only
PC ID predictive of biological/environmental effect
Short-term
Mid-term
Long-term
Distant