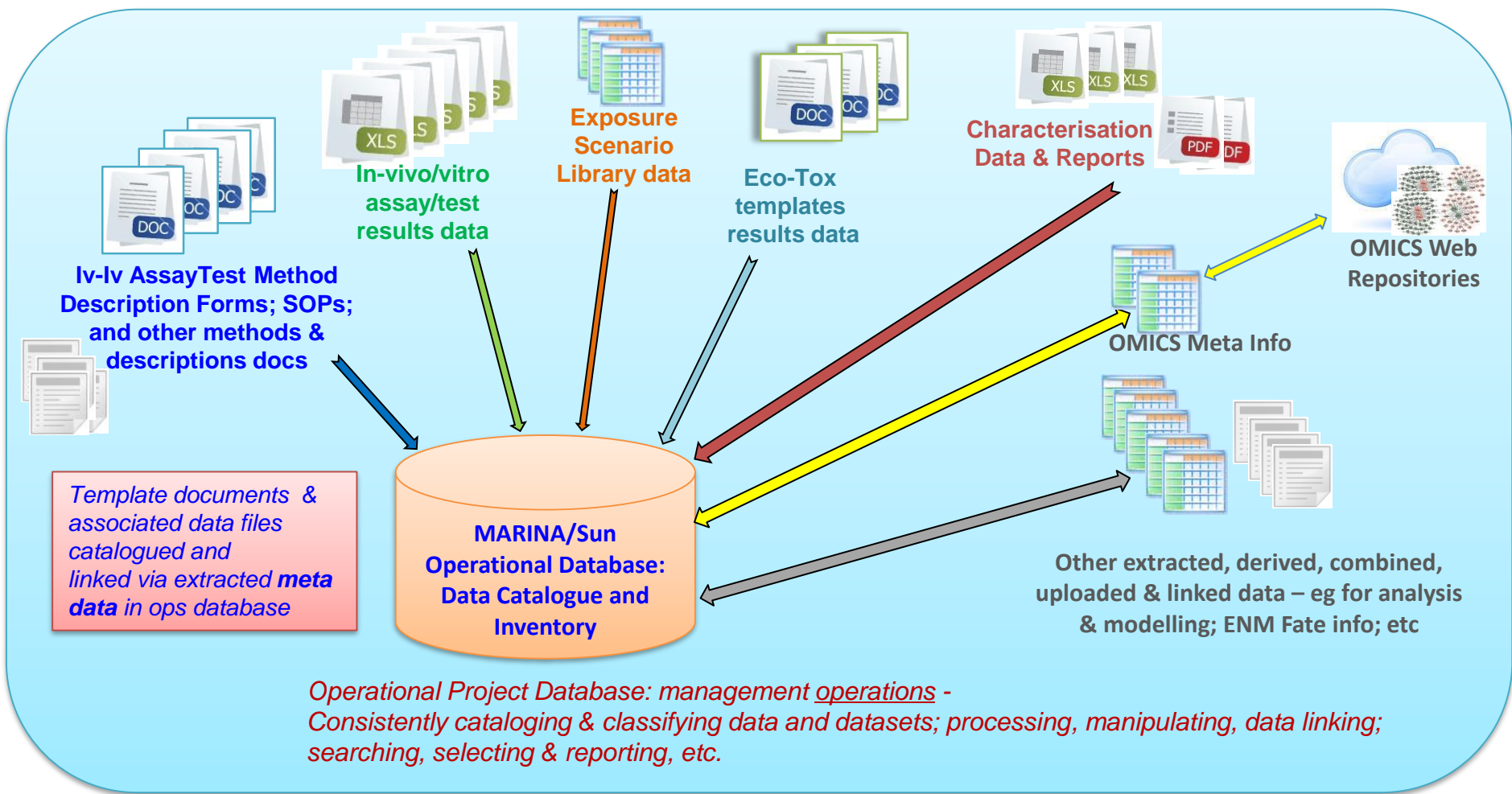


ENanoMapper – Knowledge Infrastructure and Framework

Operational Database and Template Use for FP7 Projects

Peter Ritchie (IOM)

Operational data inventory database – overview



For conclusion of project (enpra/marina),
relevant data files uploaded to EU-NANOhub



Data collection methods via templates

- Use of standardised data templates where possible
- Adapted & updated OECD in-vitro templates- Evolved and adapted with each project
- Used in NANOMMUNE, NANOTEST, ENPRA, MARINA. With NanoHub obligations .
- Updated and used for parts of NANOSOLUTIONS & SUN – interaction with eNM planned

- Test Method Description Form (Word) – describing assay as a whole (& related SOPs, available or linked)
- Results data file (Excel) - worksheets for:
 - Test Conditions, Raw Data, Test Results, Summary Data; in-situ characterisation (+ PROAST analysis)
 - Ecotox results reporting format , adapted from MARINA; Exposure scenario library format

Data collection methods via templates

- Needs v good ongoing liaison & collaboration tween experimentalists and data managers; mixed results
- Enhanced if future benefits understood / shared
- Principles close in several ways to ISA-Tab-Nano – though easier (more adaptable) excel use
- But less uniform; Less rigid; No standard cv/ontology
- Data extracted where needed for analysis, maintain format for NanoHub requirements
- Collaborating with eNM on import, export, etc and aim to align with NanoReg I-T-N developments
- Future system requires flexible, easy end-user tools to capture and manage data on ongoing basis