The New Frontier in Knowledge Organisation: integrating methods, technologies and standards to deliver extraordinary results

Patrick Lambe

#ikosg2015
Methods Technologies and Standards

METHODS
- User analysis
- Content analysis
- Knowledge audits
- Taxonomy design
- Information Architecture (Taskonomy)
- Business Process Design
- Effectiveness Testing
- Information Governance

TECHNOLOGIES
- Graph-based technology
- Search & SBA
- Text analytics
- Auto-classification
- Content management
- Business process management
- Enterprise taxonomy management

Reference Standards:
- Standard classifications or vocabularies

Process Standards:
- ISO 25964
- ANSI/NISO Z39.17
- ISO 27000 family

Data Exchange Standards:
- Linked Data (RDF, OWL, SKOS)
- Metadata (Dublin Core, MADS)
Pitfalls in Knowledge Management

Nick Milton and Patrick Lambe

*The Knowledge Manager’s Handbook: A Step By Step Guide to Effective Knowledge Management Implementation*

(London: Kogan Page 2016)
Battleship or Bicycle?
The Data Scientist isn't always right...
Battleship or Bicycle?

Connect you to the business and the users

Methods

Connect you to good practice and the outside world

Standards

Enable what is needed and appropriate

Technologies
Very Large Career Advice Portal

**Users:** Job Seekers, Career Advisors, Training and Education providers

**Taxonomies:** Occupations, Job Titles, Industries, Educational Programmes, Competencies and Skills

**Content:** Jobs banks, job postings and descriptions, resumes, course descriptions

**Pathways:** real-world associations between jobs (sequenced into pathways), and between jobs and competencies/qualifications/institutions

**Queries:** ability to explore pathways, different starting points (skills/qualifications/occupations/current job etc)
Architecture
Methods, Technologies and Standards
“What can I do about my shadow, Mr Speaker, Sir? It must follow me.”
Questions?

plambe@straitsknowledge.com