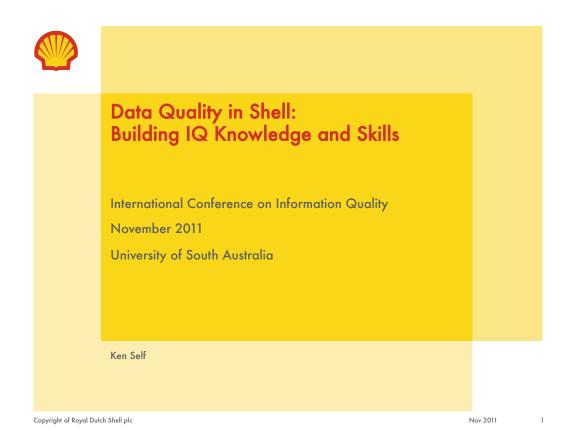
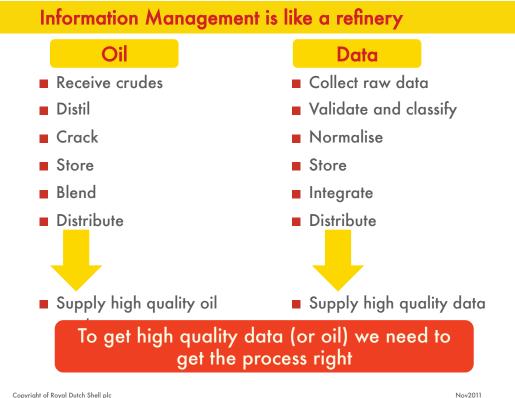
Proceedings of the 16th International Conference on Information Quality (ICIQ-11)





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Why do Data Training



"Develop greater breadth and depth on data quality" - Redman review 2009

World Class People



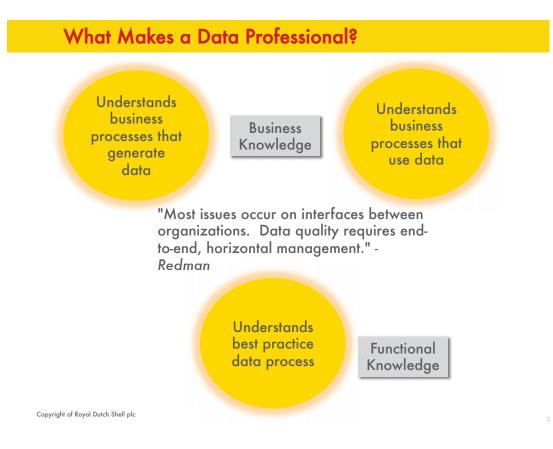
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End-to-end Process and Data Management

Proceedings of the 16th International Conference on Information Quality (ICIQ-11)



Key Business Processes and related Data Objects

- Asset Integrity
 - Asset, equipment, functional locati
- Hydrocarbon Inventory Managemer
 - Product, plant, storage location
- Offer to Cash
 - Customer, product, pricing
- Requisition to Pay
 - Material, service, vendor, contrac
- Well and Reservoir Management
 - Field, reservoir, well

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Where we have been - timeline



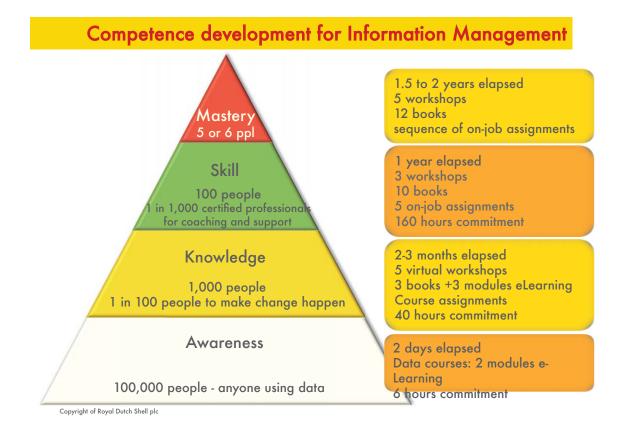
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Imperatives for 2011

- "Finish what we have started"
 - Develop data professionals
- More business impact
 - Improve understanding of cost of poor quality data
- Continuous functional improvement
 - Continuous improvement of the data process
- World-class people
 - Certification for data professionals

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Information Management Awareness Course (2010)

For anyone working with data to help them:

- Engage stakeholders
 - Understand the impact of defective data on business.
 - Understand the roles that people play in delivering reliable data
- Contribute to resolving data issues
 - Understand the causes of defective data
 - Understand the importance of error prevention
- In house developed e-learning: 1 hour duration

Information Management Fundamentals Course (2010)

Awareness level for recently started IM practitioners to help them:

- Analyse data issues
 - Understand the e2e processes for data management
 - Understand how people, policies and practices affect data quality
- Develop solutions to data issues
 - Understand the tools and techniques used in data management:
 - Understand how different elements of data management fit together
- Engage stakeholders
 - Understand the roles that people play in data governance

Copyright of Receipt Oth Steller stand the principles followed by data profession States

Data Quality and You (2011)

Knowledge level course for established data practitioners (1 year +)

- Identify customer needs
 - Know who all their customers are
 - Effective techniques to understand customer needs
- Analyse data issues
 - Treat data as a product of a process that affects quality.
 - Identify process customers and suppliers
- Develop effective data controls
 - Build quality controls and metrics around the customer viewpoint
- Apply Lean Sigma to continuously improve data processes
- Proactively address data quality issues

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Data Quality and You (2011)

- Developed with Tom Redman and professional learning designer
- Blended learning
 - Five facilitated virtual workshops @ 1.5 hours
 - 3 books + 3 modules eLearning for details
 - Work-oriented assignments to apply the theory
- Line manager involvement encouraged
 - Set participant objectives
 - Coaching and guidance
 - 3-way feedback of course results, gaps, next steps
 - ~40 hours commitment over 3 months

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Next: Knowledge training for the business (2011)

Knowledge training for business people for whom IM is a critical, but non-core activity (e.g. Business process managers)

- Lead continuous improvement of business processes using data quality controls and measurements as drivers
- Contribute to continuous improvement of data processes to improve data quality
- "Light" version of "Data Quality and You" training
 - Challenge: How to fit it all in to 2 hours or less

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Next: Information Management Skill (2012)

For experienced IM professionals (3+ years)

- Blended learning
 - Extensive reading and workshops
 - Emphasis on practical application through projects
- IQCP exam and certification from IAIDQ
- Estimate 20 days duration over 1 year

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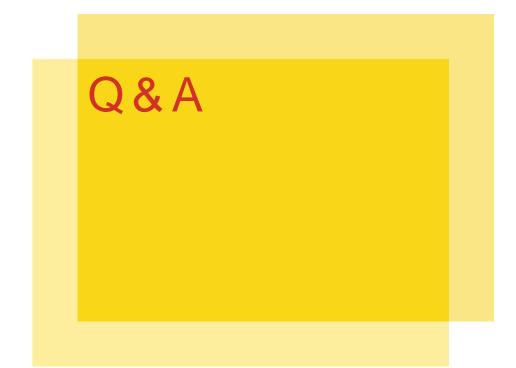
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What We Have Learnt

- People and processes impact quality more than systems
 - Consolidate the people and skills
 - Standardise the data process
- Changing behaviours requires ongoing effort
 - Raise awareness of quality issues
 - Communicate the need for data governance
- Continuous improvement (CI) can be applied to anything
 - Build skills in CI across the organisation
 - Apply to processes, data, data processes, meta-data, metaprocesses...
- There are not many people with the skills needed
 - **Few sources of training**
- Professional certification is just starting

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