Moving to a Metadata driven world

The Statistics New Zealand story

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About Me

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- From
  - New Zealand
- Role:
  - Senior Architect
    - System Design
    - Concept investigation / prototyping
    - Forward focused
Discussion Items

- Change
- Metadata
- Vision
- Direction
Economic Crisis

- Government intervention
- Rescue packages
- Budget reductions
- Reduced programmes

“...the U.K. is getting rid of the 200-year-old head count because it's expensive, incomplete and out of date before it's even published... In a country struggling with a $235 billion deficit, the census might be seen as a luxury”
Changing the ‘status quo’

- Within Statistics New Zealand, collection activities are:
  - Expensive
  - Duplicate Information

- Need to be ‘smarter’!
Current - Collection

Current:

Survey Designer creates Survey Flowchart, which uses to define Questionnaire (Instrument). IT Specialist uses to create Questionnaire (Instrument) and Processing System. Another IT Specialist uses to define Processing System and uses to define Data mart.
Meta Data

Definition:

“... loosely defined as data about data”

Success to date:

• Concept Library
• Configuration
• Rule Engines
Bringing Systems Together

- Standards
  - Data Documentation Initiative (DDI)
- Collaboration
- New cost model
  - Vendors
  - Open source
Vision – Collection

Vision:

Survey Designer

Survey Flowchart

XML

XML

XML

Analyst

Analyst

Analyst

Questionnaire (Instrument)

Processing System

Data mart

IT Specialist

Supports

Supports

Supports

Supports
Vision - Instrument

Vision:

- Configuration
- Channels
  - CAPI
  - CATI
  - CAWI
  - Other
- XML (DDI)
- Meta Data
  - Routing Rules
- Data
Blaise – The Stats NZ Direction

- New generation of tools
- Blaise NG
  - Xml driven ?
  - Standards aware ?
Questions