

Finding and Using Data - MEDIN Latest Developments and Vision

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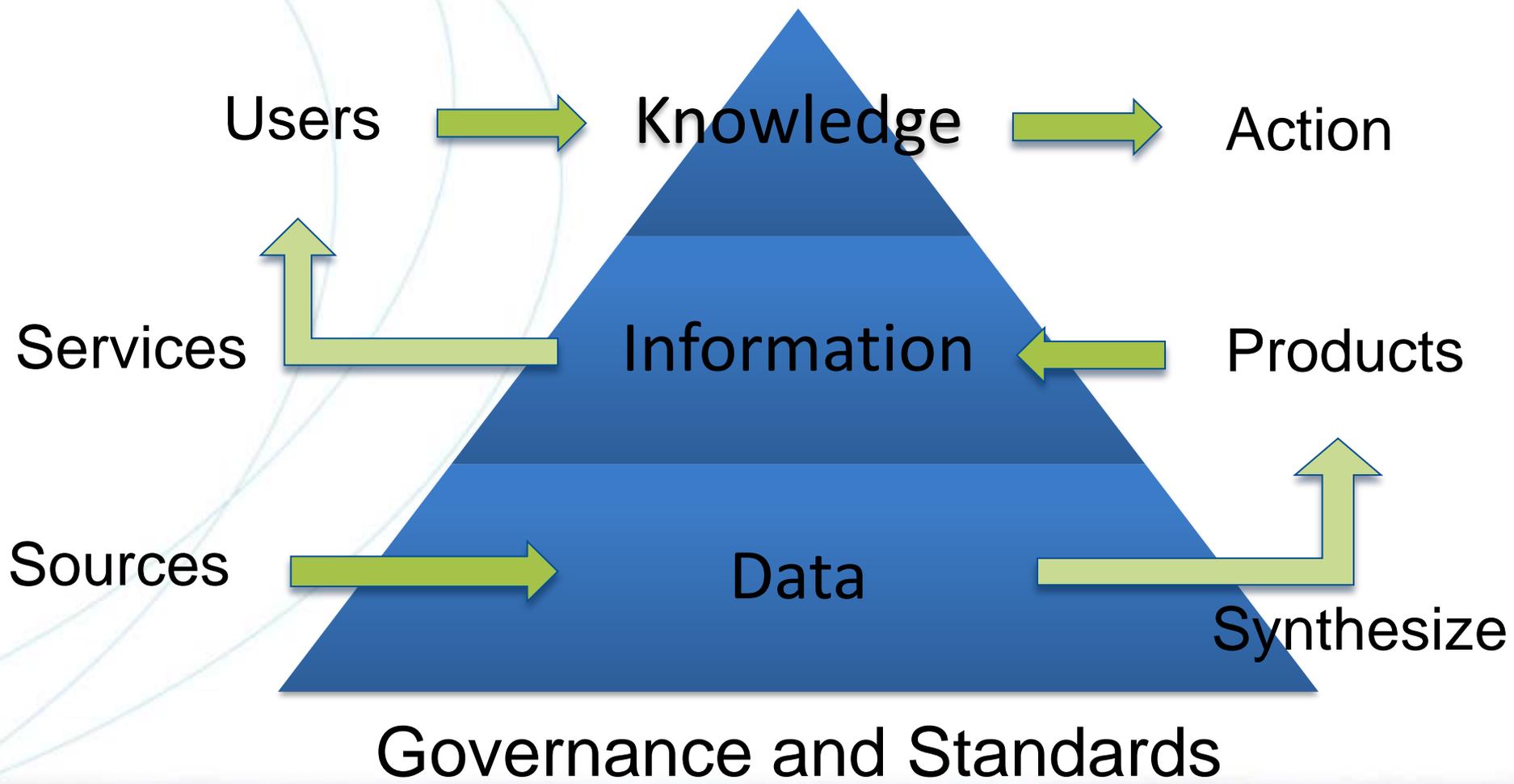
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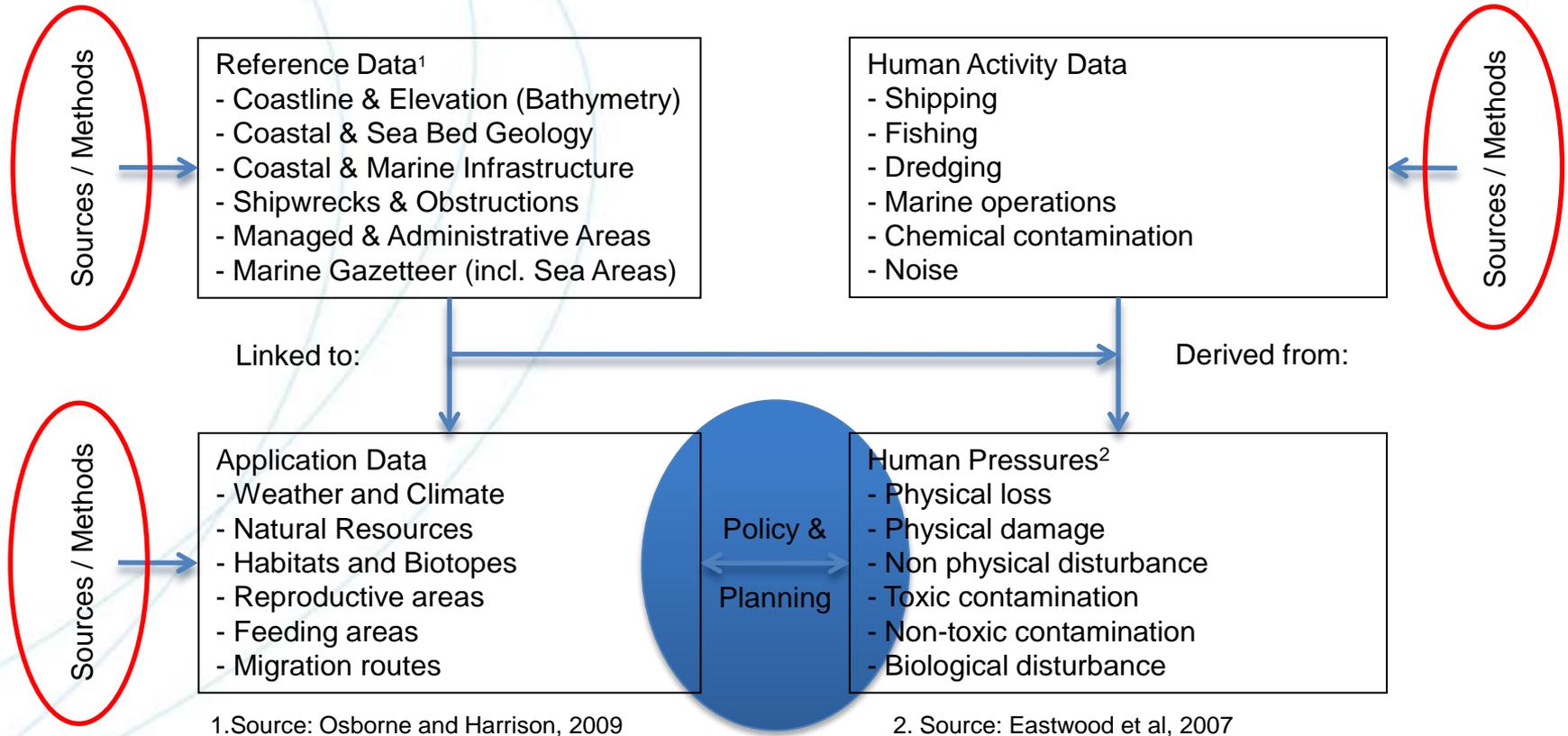
Contents

- Definitions
- The Data Value Chain
- MEDIN's Role
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Data - Information - Knowledge



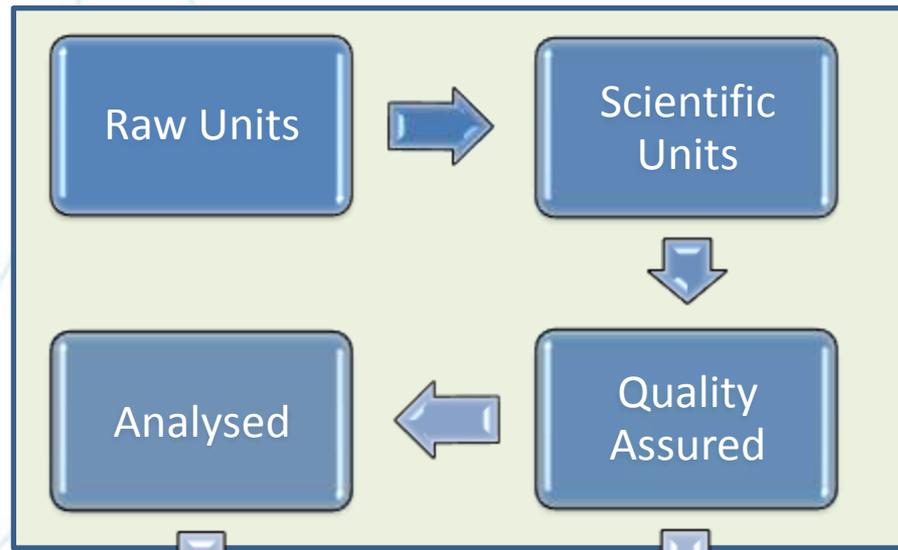
Reference Model – Linked Data



The Data Value Chain

Public &
Private
Sectors

Sources /
Methods



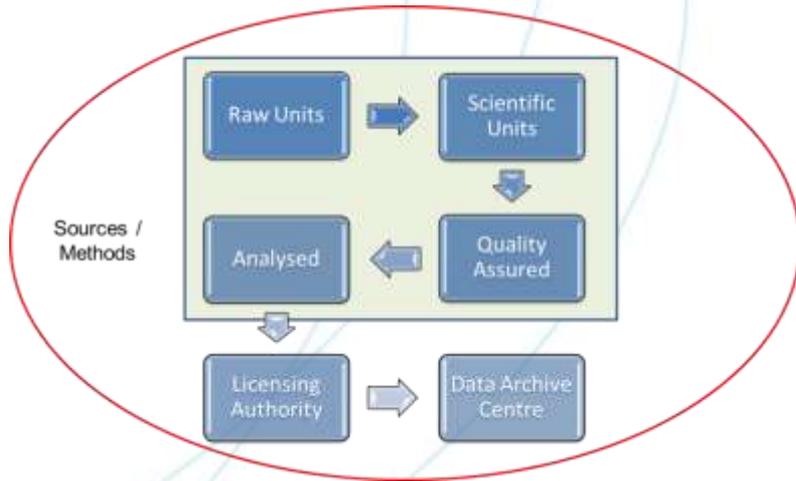
Outputs →

Industry data in
discussion ref.
TCE MDE

The Data Value Chain - MEDIN's Role?

Enabling consistent and efficient data 'flow':

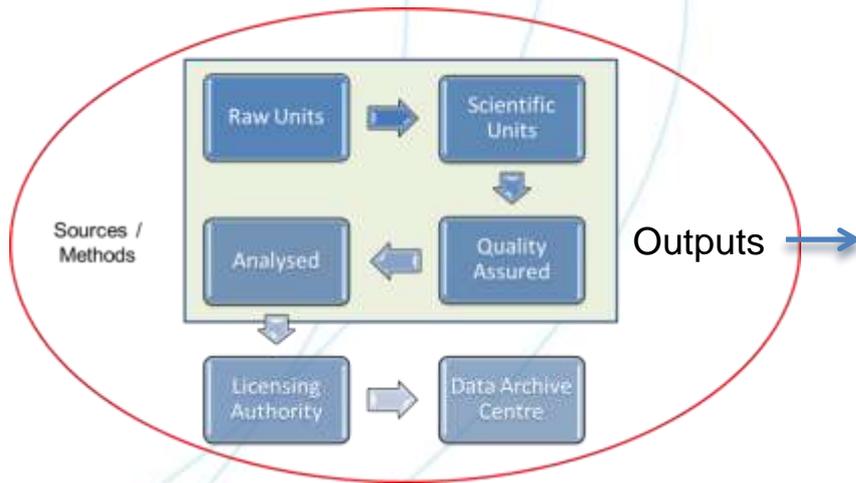
- Standards for acquisition and analysis ✓
- Controlled vocabularies ✓
- Metadata profile and tools ✓
- Dataset exchange protocols ✓
- Guidelines for quality control ✓
- Thematic Data Archive Centres (DACs) ✓



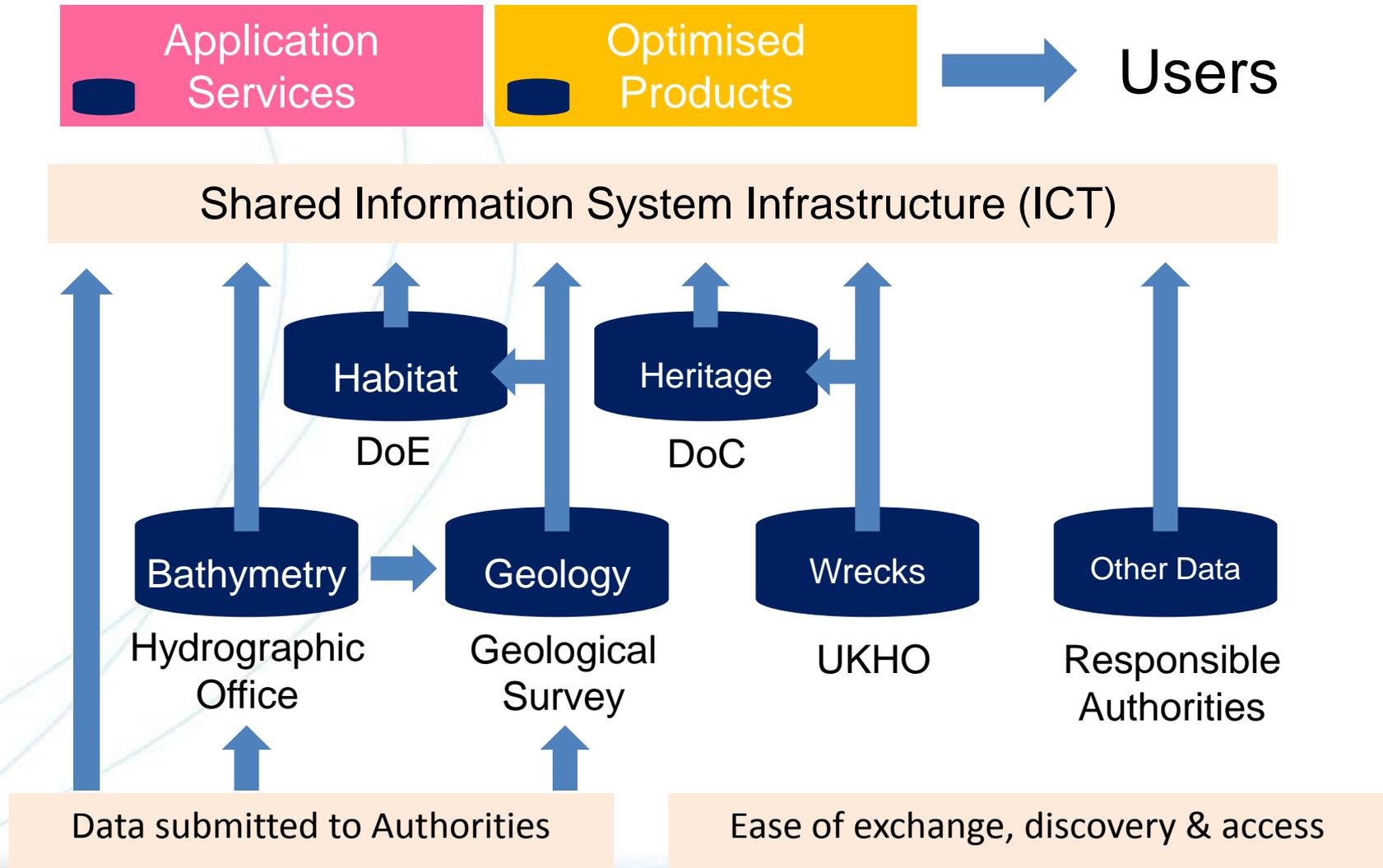
Data to Information - MEDIN's Role?

What about outputs?

- Discovery ✓
- Access to value added datasets (via DACs) ✓
- User created products ?
- Predefined products ?
- Product and/or service mix ?
- Access to wider datasets e.g. socio economic data ?



MEDIN's Vision – A Step too Far?



Products and Services

The MEDIN Review:

- Recommended a stronger focus on datasets, services and products [which would be] of substantial benefit to users

Marine Science Coordinating Committee:

- MEDIN to consider the demand for products created after analysing data in its future business plan
- MEDIN to involve itself in the creation and maintenance of “usable products”

Issues

- Data holders ability to make their data available to users beyond their core 'market'
- Lack of fitness of data and the need for it to be improved or strengthened to meet a wider need e.g. its OK for charting
- Availability of resources contrasted with obligations under INSPIRE and Government 'transparency' and data sharing agenda
- Predefined versus user defined. Latter encourages innovation but could lead to duplication of effort or inconsistency essential for planning and reporting
- No over arching strategic drivers – marine science strategy highlights importance but avoids specific direction

Status

- The MEDIN portal is improving ...
- Datasets are easier to discover and access
- UKDMOS web service to view monitoring sites (for example) directly in GIS
- Portal catalogue is making the discovery and access to reference datasets easier
- Action Plan is facilitating data strengthening and fitness of purpose for wider use

MEDIN - Where next? E.g.

- Acquisition standards and exchange protocols
- Quality Assurance
- Data rescue
- Ease of discovery and access (minimum clicks)
- Reference dataset development and access
- Predefined datasets for common applications
- Help users mine, link and tailor data to create their own products and services

Have your say in the breakout session later

Thank You!

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All comments and ideas welcome