

# Information Governance: Are we there yet and ... if not where are we heading?

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# Overview

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- Who am I?
- The IG development & context today
- The IG challenges
- The IG opportunities



# Who am I?

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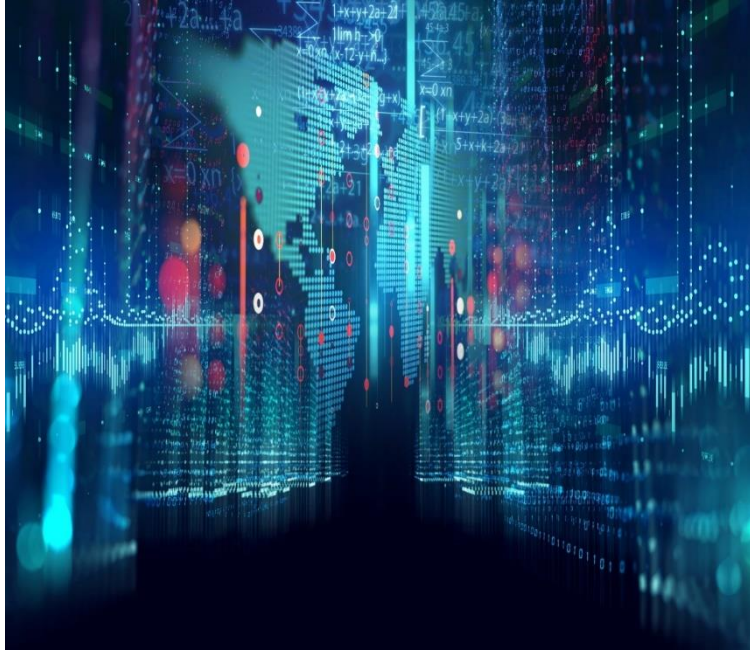
Practitioner and Academic linking practice and research

- Archives
- Records and Information Management
- Data Protection and Freedom of Information Law
- Information Security
- Emerging Technologies
- Public Policy Change

➤ Information Governance

# The IG context – shifting definitions

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**“Information governance** is the specification of decision rights and an **accountability** framework to encourage **desirable behavior** in the valuation, creation, storage, use, archival and deletion of information. It includes the processes, roles, standards and metrics that ensure the **effective** and **efficient** use of information in enabling an organization to achieve its goals.”

Deborah Logan 2010, Gartner,

<http://www.gartner.com/>

Lomas, E. (2010). Information governance: information security and access within a UK context. *Records Management Journal*, 20 (2), 182-198. <https://discovery.ucl.ac.uk/id/eprint/1543932/>

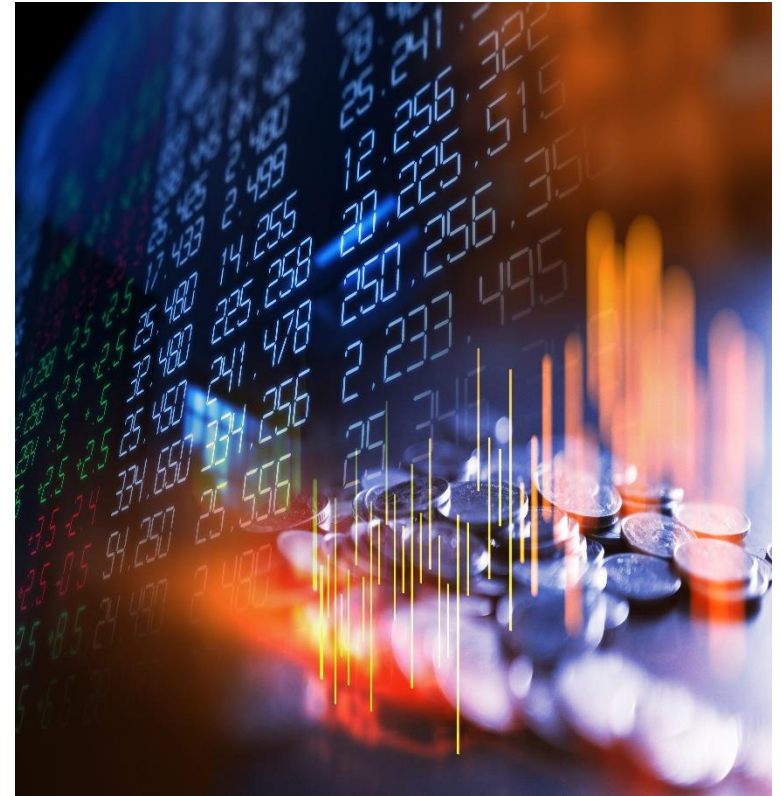


# The IG Context – organisational recognition

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Recognition of information as an asset that requires stewardship:

- Leadership
  - Management
  - Balance of societal goals
  - Ethical behaviour
- Today transcends stewardship moving towards new **stakeholder models**
- **Co-creation and ownership**



# The IG Context – global challenge

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## Information Age

- Technological
- Economic
- Occupational
- Spatial
- Cultural

Webster, F. (1995) *Theories of the Information Society*. London: Routledge. See

[http://www.fims.uwo.ca/people/faculty/frohmann/lis501fall06/information\\_society\\_webster.pdf](http://www.fims.uwo.ca/people/faculty/frohmann/lis501fall06/information_society_webster.pdf)

- Data/tech is the new oil/water/weapon?
- Transparency and accountability



# The IG context – professional models and competencies

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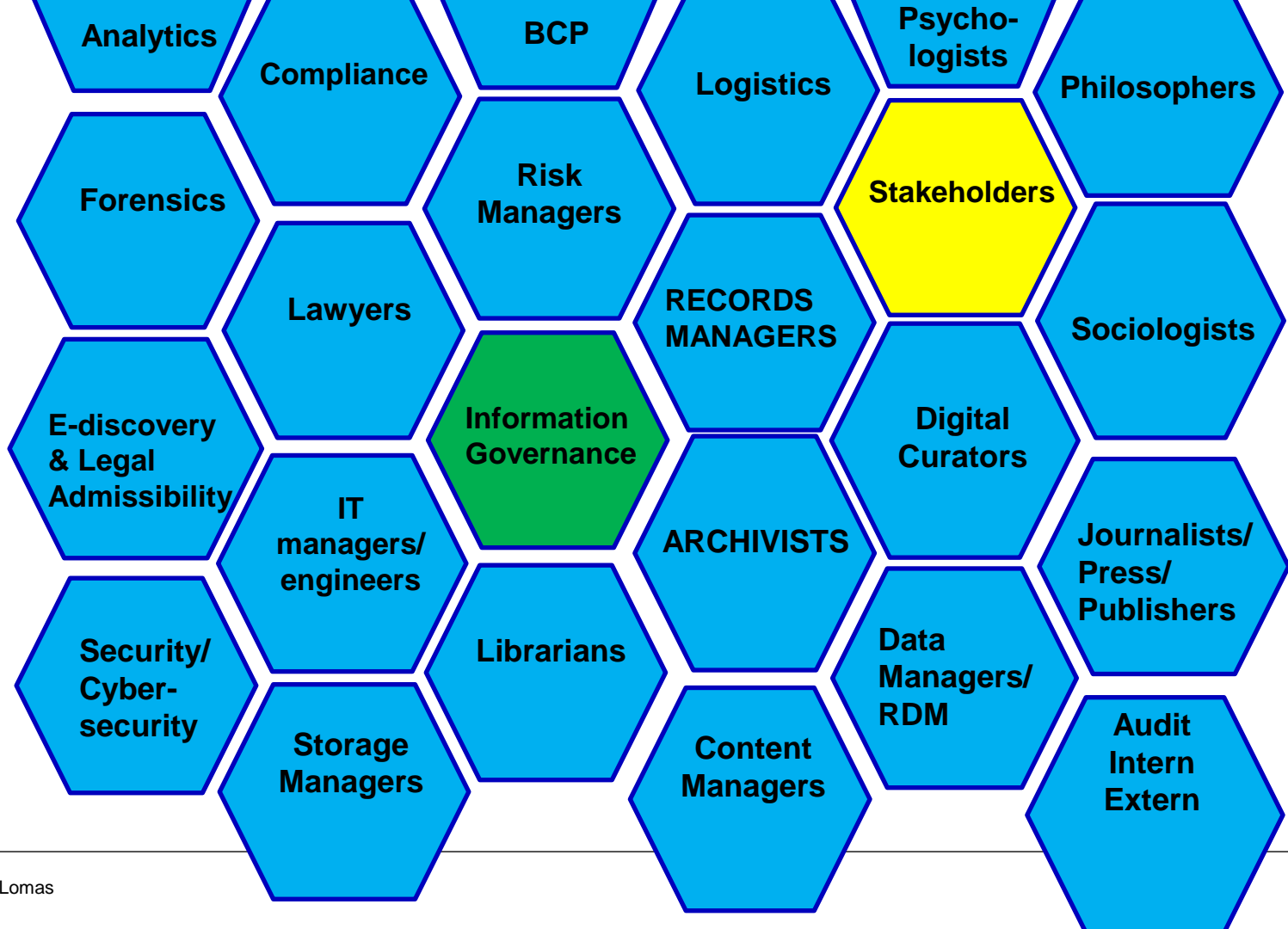
- Information Security
  - McCumber Cube
  - ISO 27000
- Records Managers
  - ISO 15489
  - ARMA IG Body of Knowledge and Maturity Model
- Lawyers
  - The Electronic Discovery Reference Model
- IT
  - ISACA – Cobit 5

RecordDNA  
Collaboration with  
Professor Julie  
McLeod

<https://recorddna.wordpress.com/>









MIRRA

Memory – Identity – Rights in Records – Access

MIRRA

**Supporting care leavers’  
memories and identities  
through access to records**

**“I’m not a historical case,  
I’m still breathing”**



Arts & Humanities  
Research Council



<https://blogs.ucl.ac.uk/mirra/> and <https://www.youtube.com/watch?v=xs28tczL3yA>

In addition, see Rights of the Records Research Programme – Dr Joanne Evans

<https://research.monash.edu/en/persons/joanne-evans> and <https://www.youtube.com/watch?v=Wy2O1uPt8Pc>

# Intellectual Property Rights ... & Human Rights

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Provides for:

- Control
- Collaboration Frameworks
- Commoditization
- Monopolies
- Protection

- Challenge of ownership
- Challenge of rights
- Do only the rich have privacy?
- What are our fundamental human rights?

# The IG Context: Artificial Intelligence\*



Ethical Innovation for Artificial Intelligence

<https://ei4ai.wordpress.com/>

\* PWC estimates will grow GDP by 14% in the next decade

- Developed
- Deployed
- User/end user
- Location
- Data
- Data banks/lakes accrual
- Purpose
- Proportionality
- Equality
- Accountability
- Explainability
- Auditability
- Challenge/Regulator
- Legal Responsibilities



# Decisions, Decisions ...

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Human Rights Act  
All equal before the law  
Privacy, property rights etc.

**UK School Grades 2020:**  
Ofqual algorithm used to award grades. Only 60% predictive accuracy with Schools in more deprived areas receiving more erratic results. See Jeni Tension's analysis  
<https://rpubs.com/JeniT/ofqual-algorithm>

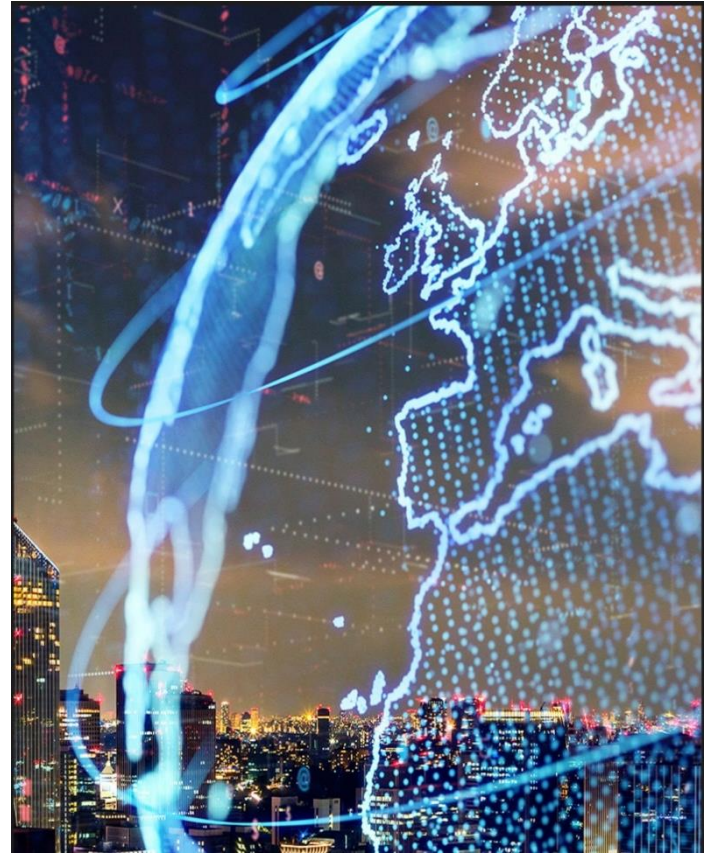


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# New Challenges and Opportunities:

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- Algorithms –baking in inequality or solving bias
- Artificial intelligence – Explainability
- Blockchain
- Robotics
- Dealing with bots
- Cyber crime and warfare
- Internet of Things
- DNA and biological technology computer interaction
- Legislation, decision making, responsibilities and ethics



# New IG models and architectures - Lomas

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Information Management  
Information Security  
Information Law/Compliance  
Information Technology

Information Economics  
Information Ethics



# New IG models and architectures- Lomas

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- Responsible persons (in an AI world), regulators and good decision making
- Reputational values
- Information wealth/values in an online globalized world
- Information/evidential needs
- Access, openness, transparency and accountability structures
- Focused resources
- Privacy rights
- Stakeholder engagement/participation/co-creation
- Information literacy
- Sustainability/green requirements





# Routes Forward- Lomas

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- Asking the right questions
- Joining up the expertise
- Impact Assessments
  - Privacy
  - Access
  - Algorithmic
  - Human Rights
- Working out where to apply AI and where there is a need for human supervision
- Further research



**Thank you for listening... I look forward to answering questions**

