



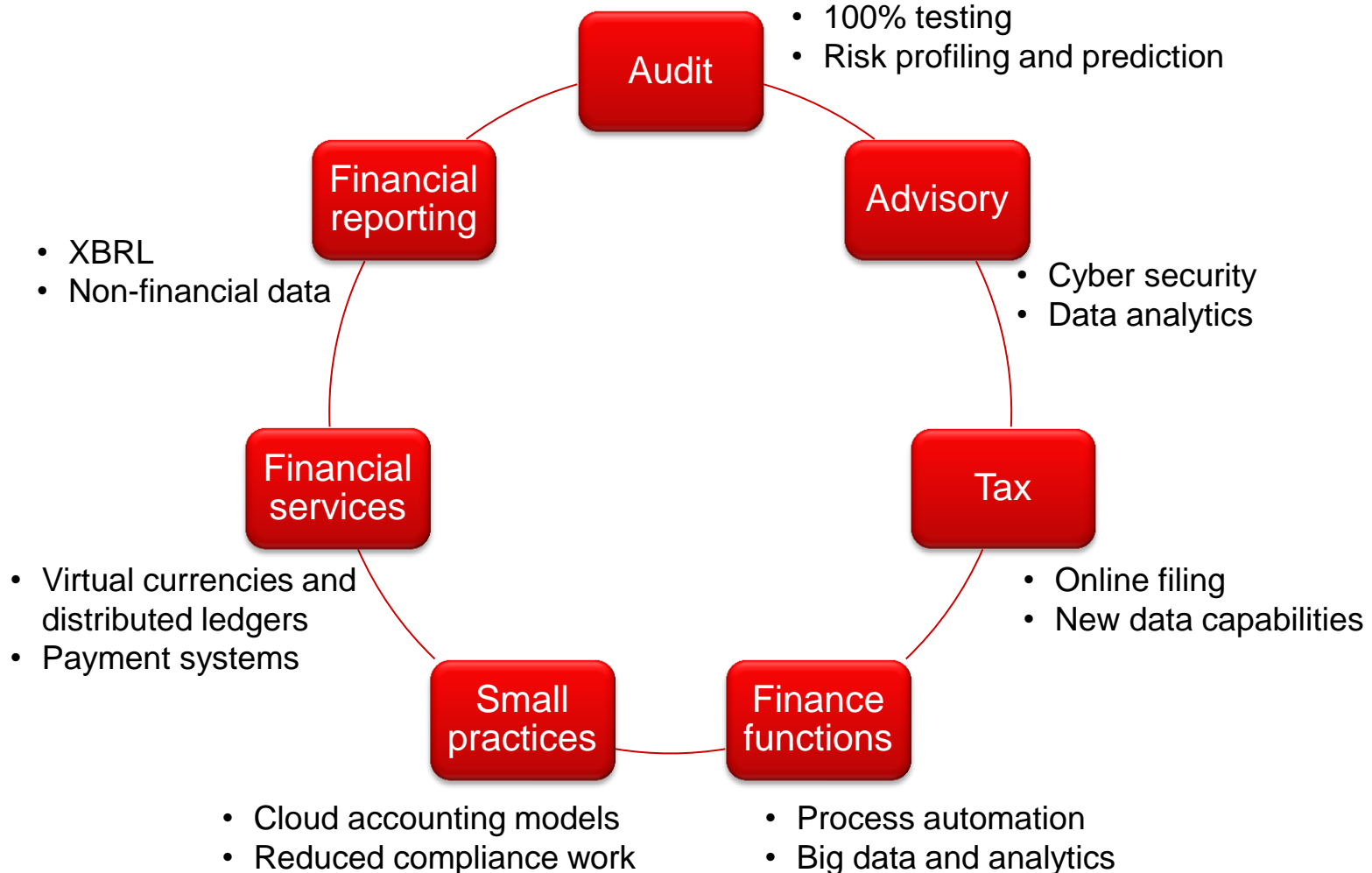
New capabilities in big data and analytics

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Key technology trends in accountancy

Data	Interaction	Financial technology
Big data and analytics	Cloud computing	Digital currencies and ledgers
Automation	Mobile technology	Payment systems
Standards	Social media	Platforms
Cyber security	Online services	Analytics services

Disruption to the profession



What is 'big data'?

Volume

- Ability to process large amounts of data
- Shift from sampling to viewing entire datasets

Variety

- New sources of data – internet, mobile, IoT
- Unstructured data – pictures, text

Velocity

- Real time data processing and analysis
- Focus on actionable insight

The spectrum of analytics capabilities

Insights



100% analysis
Outliers
Exceptions
Trends



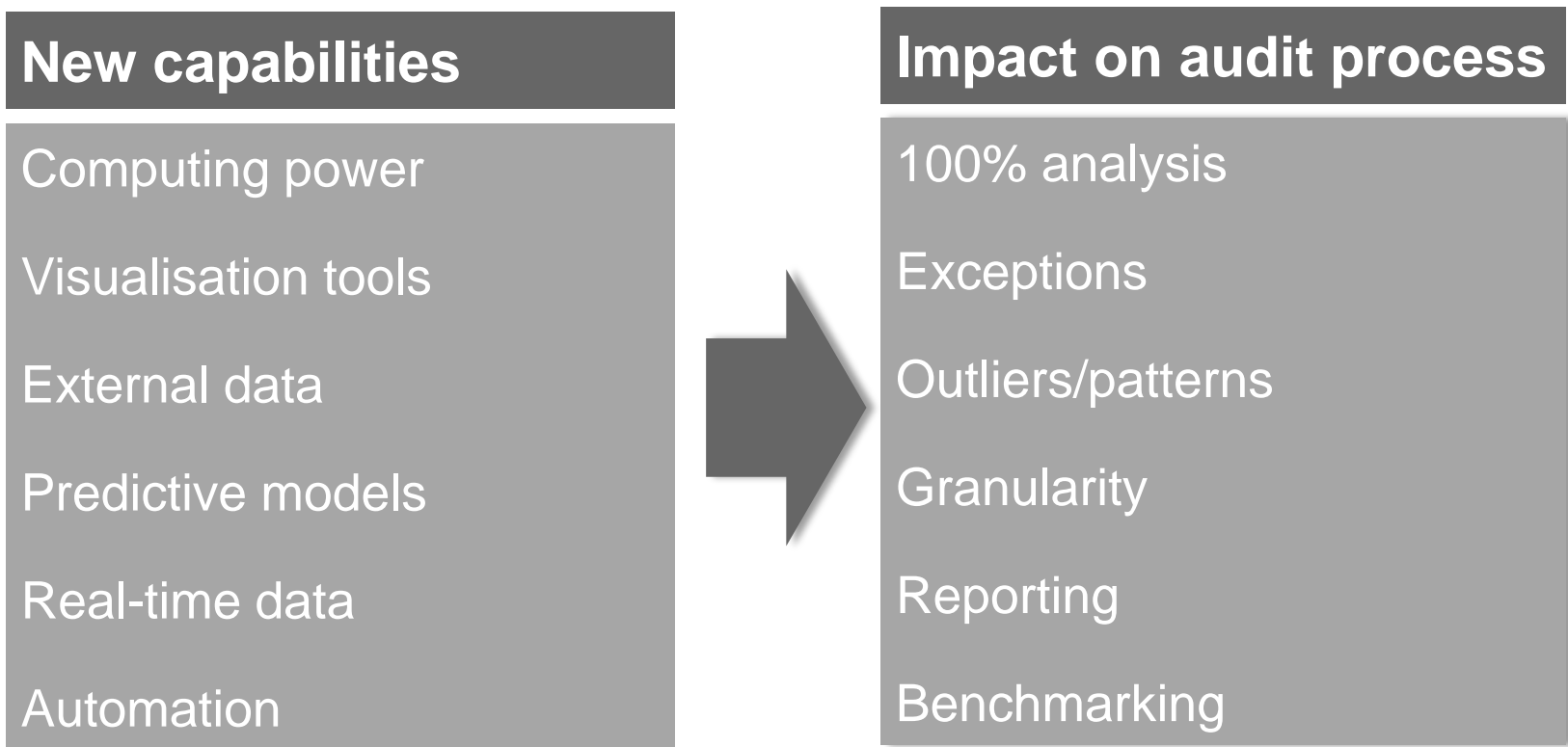
Expanding analysis
Linking data
New data sources
Real-time monitoring



Complex models
Profiling
Automation
Simulation

Prediction

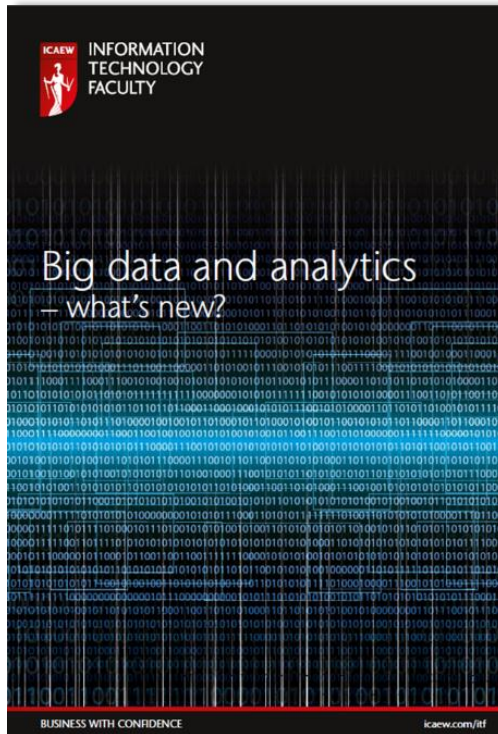
Rethinking audit through big data and analytics



Implementation challenges



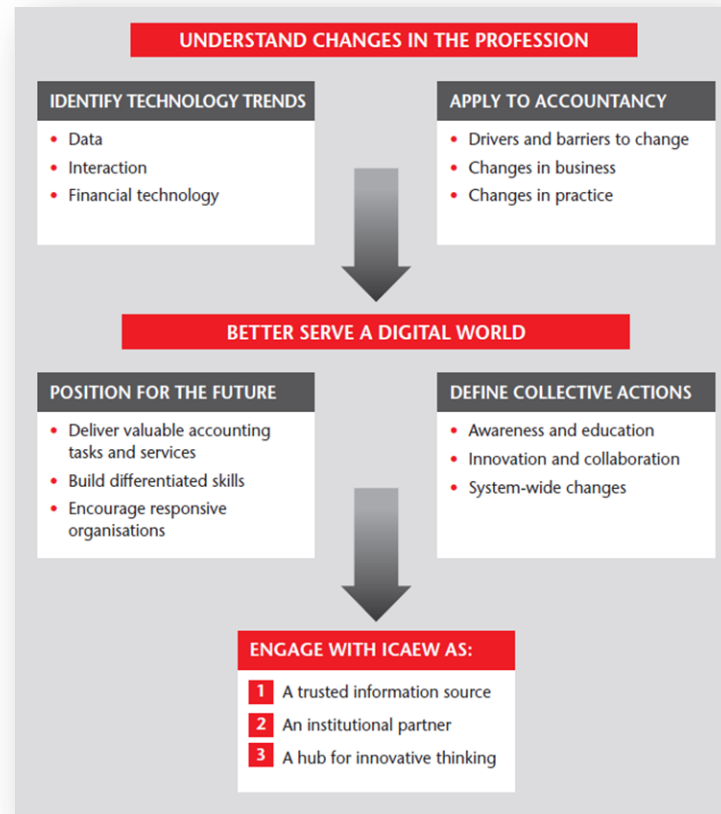
ICAEW resources



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