

SEAHORSE



Research Project

Questions on your mind

Who is this? Should I even be listening?

What is the problem?

What is the solution?

Is there a plan?

What are the next steps?



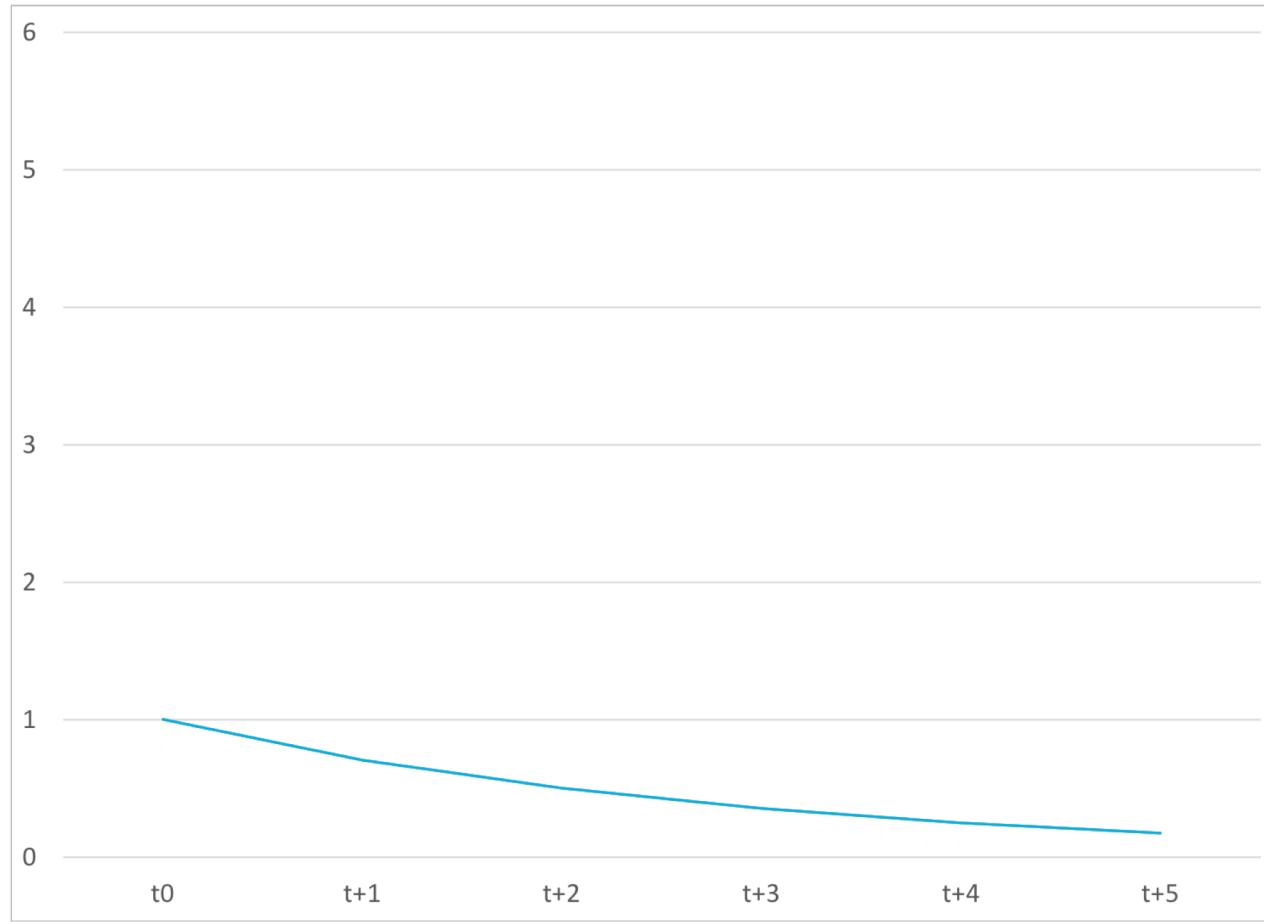
Who is this? Should I even be listening?

- Michael McGrath
 - Chief Strategist at Micro Focus
- Passion for data and information
- 20+ years
 - Analytics
 - Machine Learning
 - Decision-making
 - FS Transformation
- Practitioner & Researcher

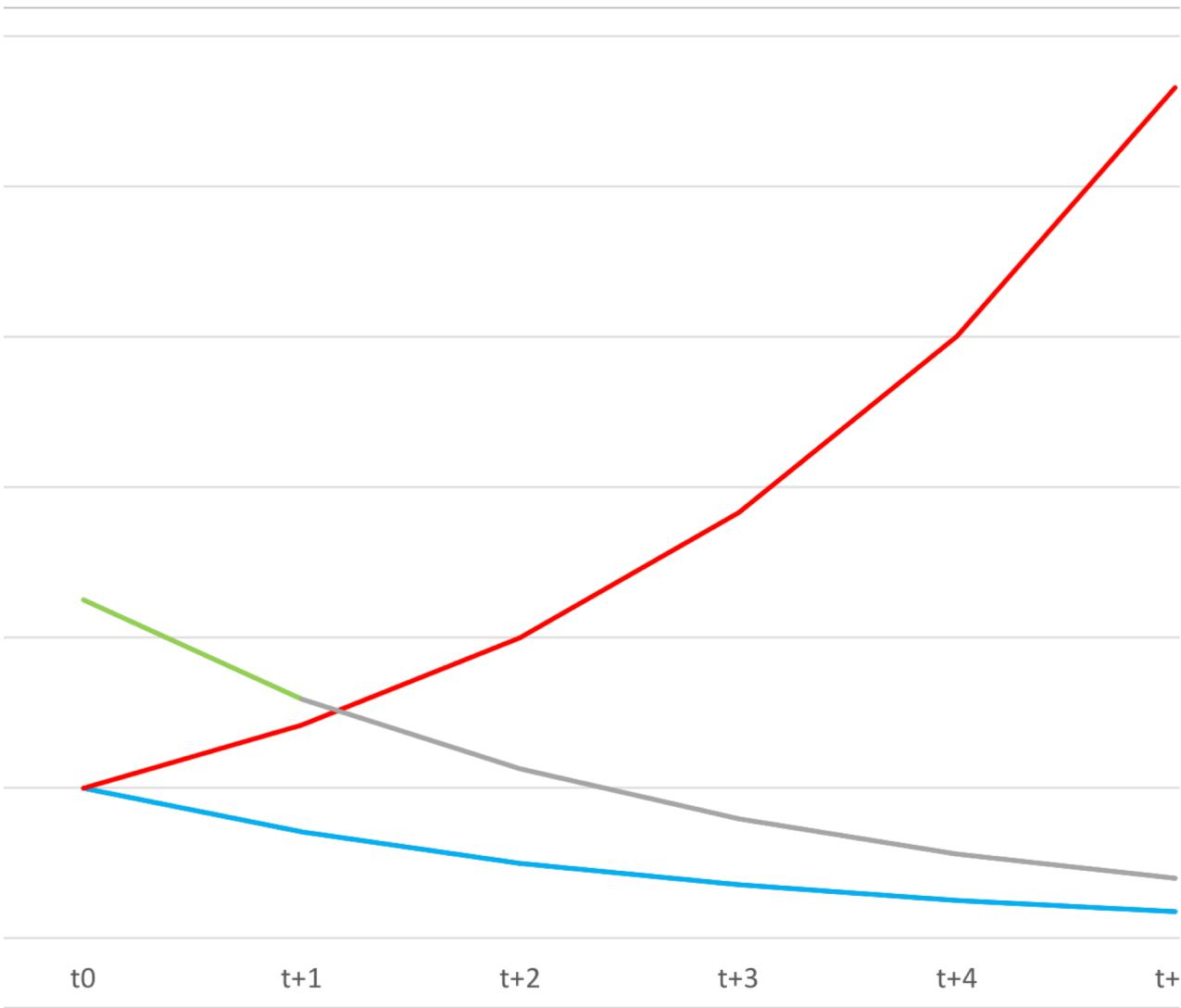




WHAT IS
THE
PROBLEM?



MOORE'S LAW



MCGRATH'S PARADOX

Results in lot's of issues

- Public ownership of data interoperability
- Freedom compromised by lack of transparency and accuracy
- Economic opportunity
- Value & Cost
 - Elapsed and processing time
 - Duplication of data – Cost, Time, Security & Errors
- Control
 - Privacy
 - Access
 - Corruption of Data
- Flow of data
- Provenance
 - Source
 - Processing
 - Reliability
 - Robustness
- Provability
 - Automated decision making
- Data Fidelity

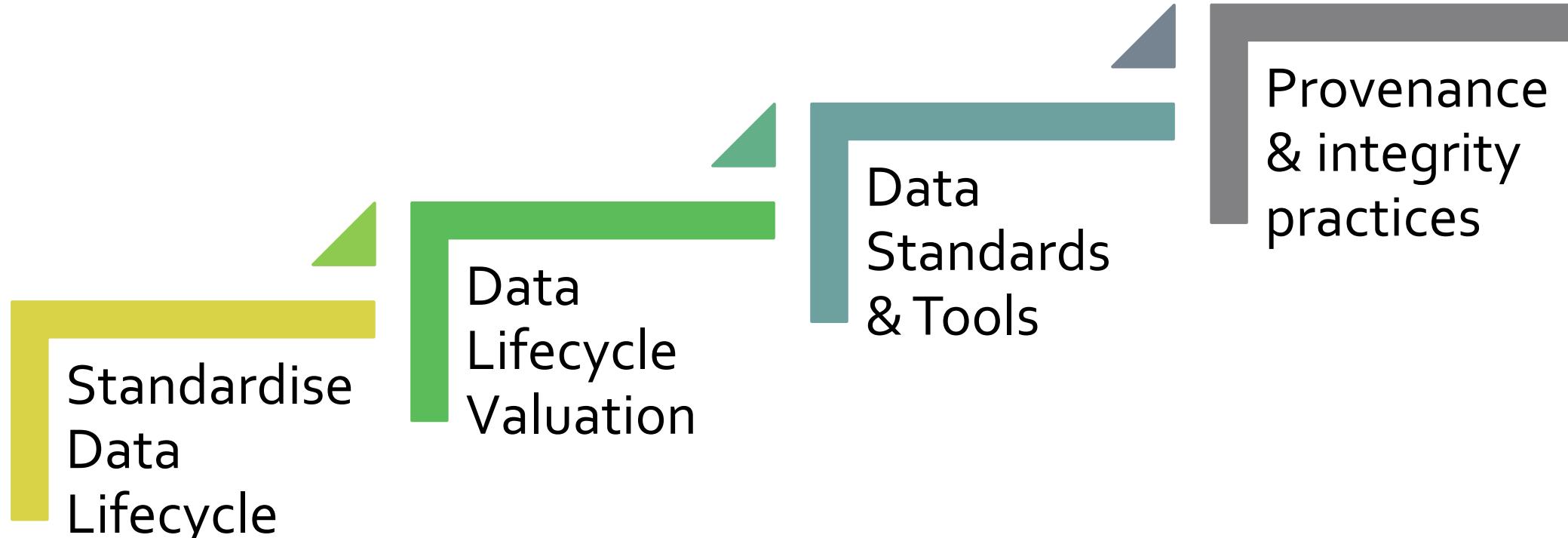


WHAT IS
THE
SOLUTION?

What we need

- Standardised Data Lifecycle Model
- Objective measure of data
 - Cost of Ownership
 - Lifetime Value
- Open source interoperability standards - Universal Data Object (UDO)
- Open source transformation libraries
- Greater data provenance, reliability & robustness

What do we need to do



Best Practices in data and code management

Standardize Data Lifecycle

CREATE

CONTROL

STORE

INDEX

CONSUME

DISPOSE

Standardize Data Lifecycle

CREATE

CONTROL

STORE

INDEX

CONSUME

DISPOSE

Creation
Modification
Duplication

Direction
Encryption
Enrichment

Stored
Archived

Made searchable
Route to access
original data
object

Read
Process
Analytics
Value Extraction

All instances/
copies deleted

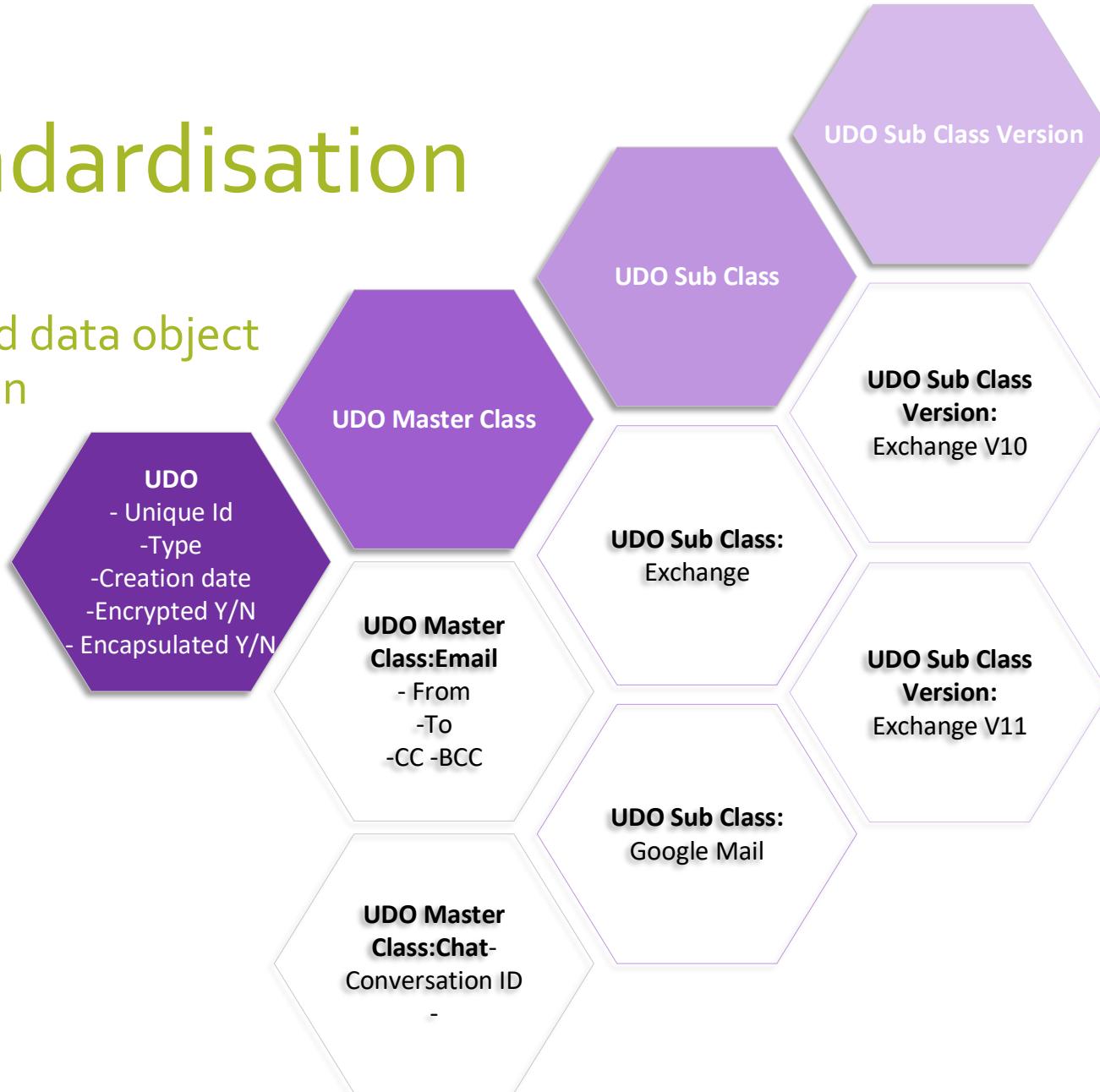
Standardize Data Lifecycle



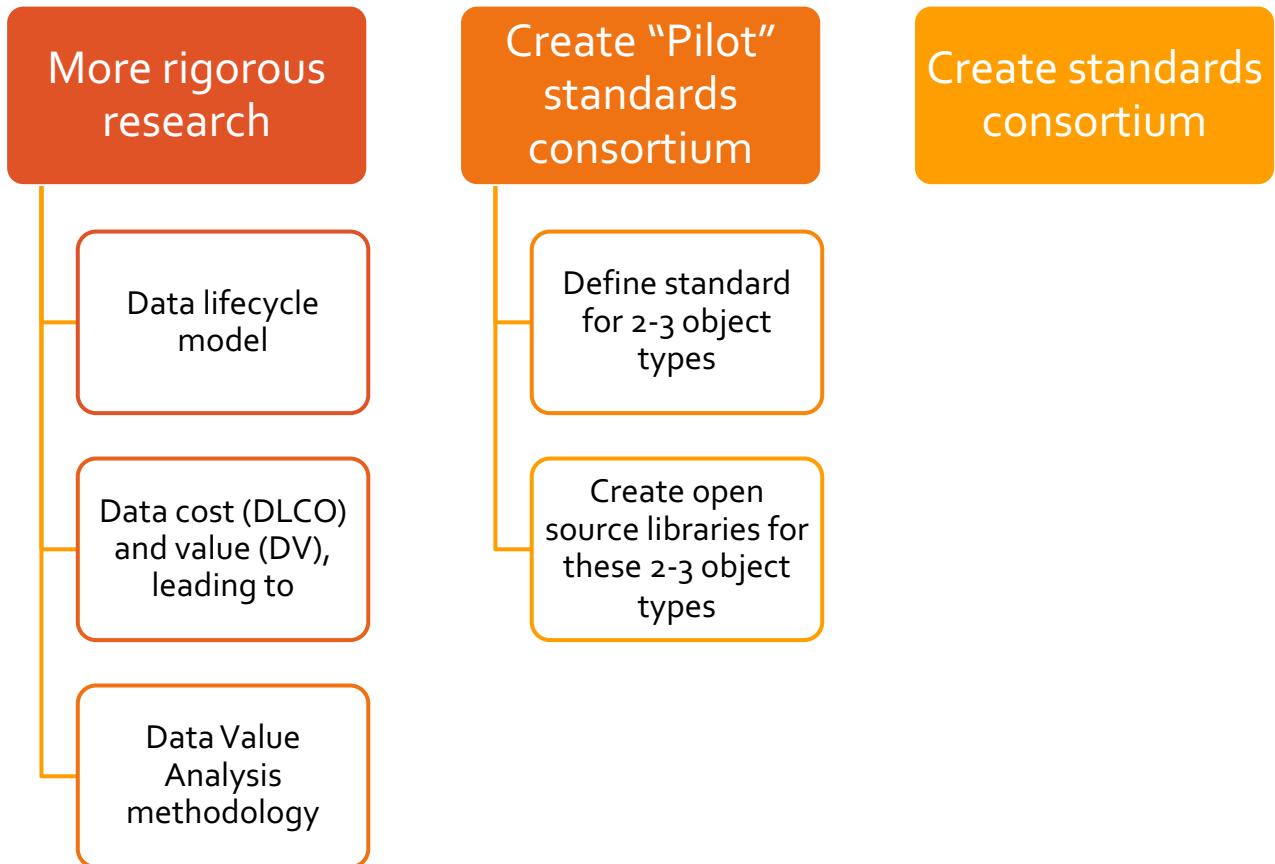
End to end lifecycle tracking verification & validation
Global Service Management
Security

Standardisation

- Standard data object definition



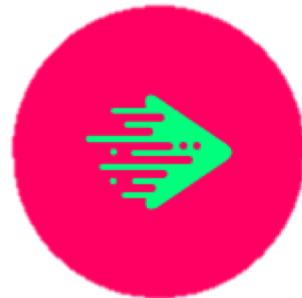
- Standard, open source, libraries
 - Transform data object to Universal Data Object (UDO)
 - Transform UDO to native data object
 - Standard rendering
 - UI
 - File
 - Repository



Next Steps R&D

VERTICA

ABIN



“All open and open to all”

Next Steps Community

Help wanted:

Architects

MEN WANTED

for hazardous journey, small wages,
bitter cold, long months of complete
darkness, constant danger. Safe re-
turn doubtful, honor and recognition
in event of success.

Ernest Shackleton

4 Burlington st.

Steps

d

Questions and discussions

Reach out!

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l: linkedin.com/groups/13613770

“Seahorse Data Initiative”

GitHub: EmmSquared/Seahorse

