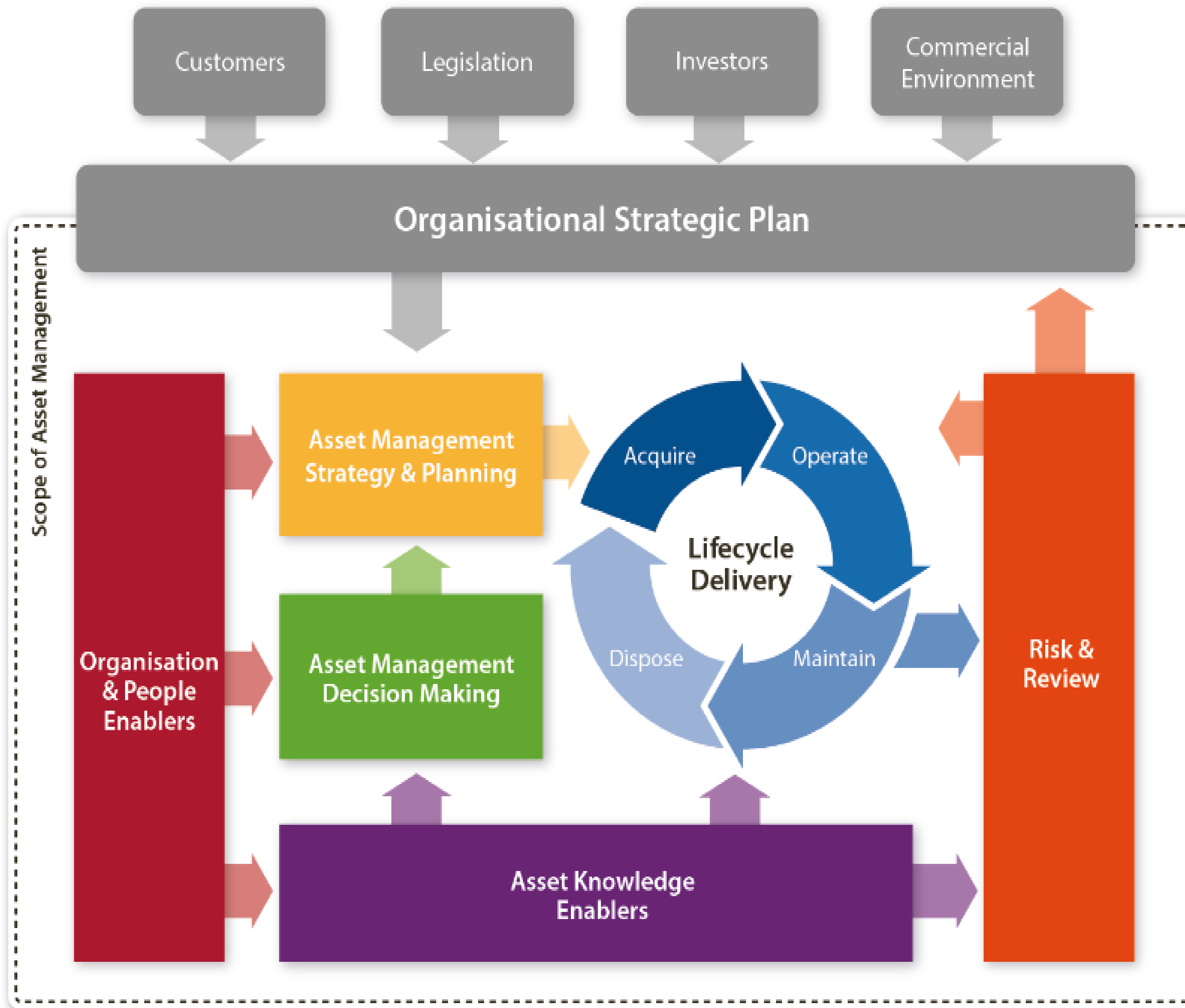The 3rd Annual Federal Asset Management Policy Forum & Expo

Work Group: **Asset Information Management**

Asset Leadership Network

Institute of Asset Management Conceptual Model

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Asset Management Landscape

Strategy & Planning
- Asset Management Policy
- Demand Analysis
- Strategic Planning
- Asset Management Planning

Organisation & People
- Procurement & Supply Chain Management
- Asset Management Leadership
- Organisational Structure
- Organisational Culture
- Competence Management

Asset Information
- Asset Information Strategy
- Asset Information Standards
- Asset Information Systems
- Data & Information Management
- O Data & Information Quality

Decision Making
- Capital Investment Decision Making
- Operations & Maintenance Decision Making
- Lifecycle Value Realisation
- Resourcing Strategy
- Shutdown/Outage Strategy

Lifecycle Delivery
- Technical Standards
- Asset Creation/Acquisition
- Systems Engineering
- Configuration Management
- Maintenance Delivery
- Reliability Engineering
- Asset Operations
- Resource Management
- Shutdown/Outage Management
- Fault & Incident Response
- Asset Disposal

Risk & Review
- Risk Management
- Contingency Planning
- Sustainable Development
- Management of Change
- Asset Health Monitoring
- AM System Monitoring
- Management Review
- Asset Costing & Valuation
- Stakeholder Engagement

Work

Network

Asset Information Management

Asset Information Management

- Asset Information Strategy
- Asset Information Standards
- Asset Information Systems
- Data and Information Management
- Data and Information Quality

WG Core Members

1. Co-Leaders: Mike Aimone, DoD (ret.)
2. ALN Facilitator: Kimon Onuma, Onuma, Inc. & bSa Thought Leadership, Chair
3. Marlon Attiken, IBM
4. Jack Kelly, OMB (ret.)
5. Tom Brown, Bentley
6. Andrew Schoenbach (ret) Chief, Budget Systems; Policy Lead, Budget Formulation and Execution Line of Business
7. Office of Management and Budget
8. Mike Bordenaro, BIM Education Co-op, ALN

Key Existing Statutes, Regulations, and Standards

- Clinger-Cohen Act
- FISMA, Federal Information Security Management Act
- FITARA, Federal Information Technology Acquisition Reform Act
- Digital Accountability and Transparency Act

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Key Federal Regulations and GAO Reports, and Standards

- OMB Circular A-130
- EO 13719, EO 13514 and others
- Building Information Management Standard
- Federal Real Property Profile
- World Wide Web Consortium
- GAO Report, 15-290: High Risk Series, An Update, Real Property Risk Reduction
- GAO Report, 16-763: Federal Real Property: Opportunities Exist to Enhance Information on and Coordination among Federal Entities with Leasing Authority

Key Issues

1. Lack of acceptance that Information is an asset

2. Poor enterprise-level asset management decisions from incomplete and inadequate knowledge of the individual asset (poor data results in poor decisions)

3. Ineffective processes, procedures & techniques exists for collecting and maintaining asset data (Data trapped in IT silos)

4. Lack of a robust academic (and R&D) foundation for real property-related asset management activity -- as compared to other supply chain disciplines

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Recommendation
Declare Information is an Asset

- Declare that it is not about the software or hardware - it's about the data – and its value to the decision maker

- Decouple the data from the application

- Recognize that decision makers exist at different levels of the organization – and their data needs are different

- Collect data once, use it many times, have one authoritative source of data

- Incentivize managers and inventory specialists to improve the quality of asset information

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Recommendation
Declare Information is an Asset (Con' t)

- Cyber secure asset data – it is a mission enabler

- Invest in automated data collection processes and technology to the maximum extent practical

- Recognize that data needs to be visualized (GIS, BIM, Mobile etc.) as well as "manipulated" for decision making

- Investigate the need for an academic basis (and R&D) for real property related asset management parallel to other asset classes academic opportunities.

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1. BIMStorm.com
2. https://youtu.be/nY7AT-ulgB8
3. http://MAX.gov
4. http://SEPS2BIM.org
5. http://FEDiFM.org
6. http://NIBS.org
7. http://buildingsmartalliance.org

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