

Wednesday, 27 March

Plenary 2: Operational Forecasting Systems in the Urban Environment

Balancing resolution and latency

William Hosack, CEO and President, Orbital Micro Systems



Building resilience & adaptability to extreme weather & climate change in Asia, Africa and the Pacific Islands



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Balancing Resolution and Latency

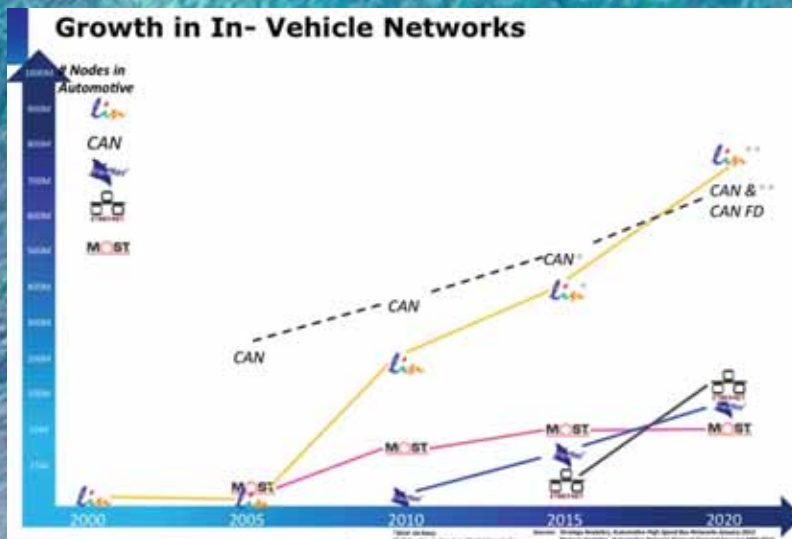
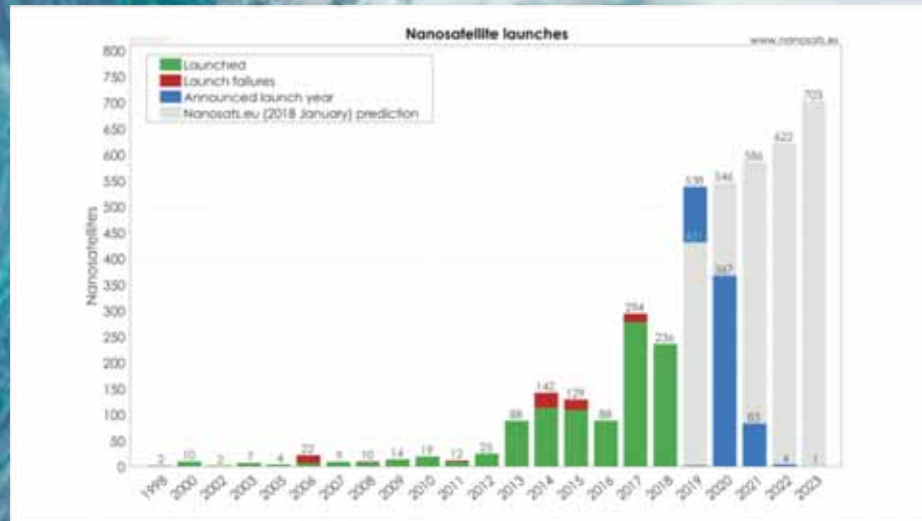
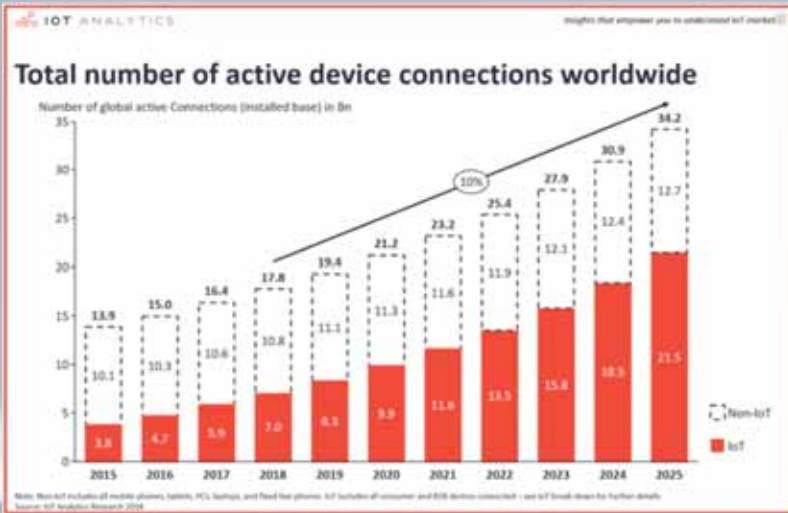
With increasing amounts of data, knowing the right level of resolution to use is critical to operational decision latency



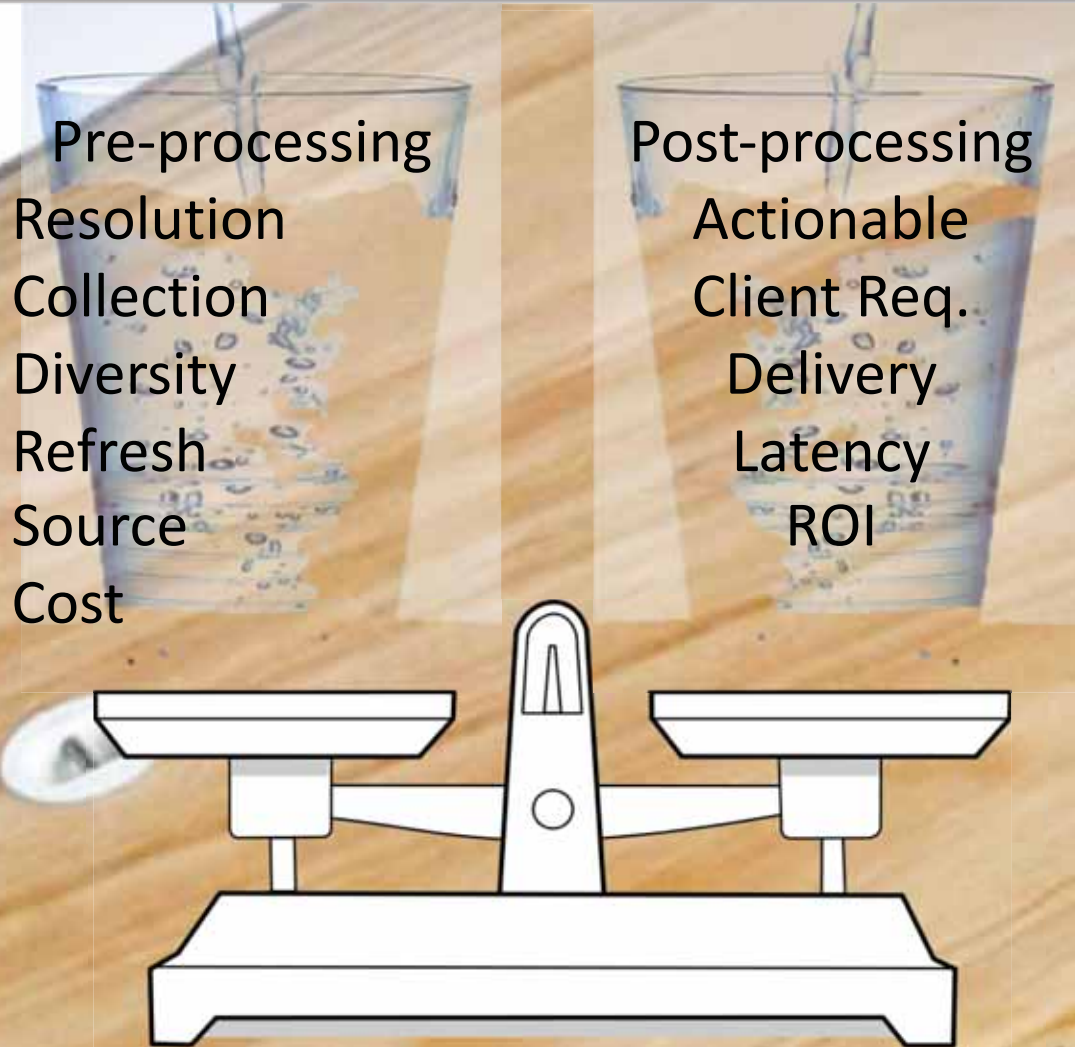
William Hosack, CEO
Orbital Micro Systems



The coming wave

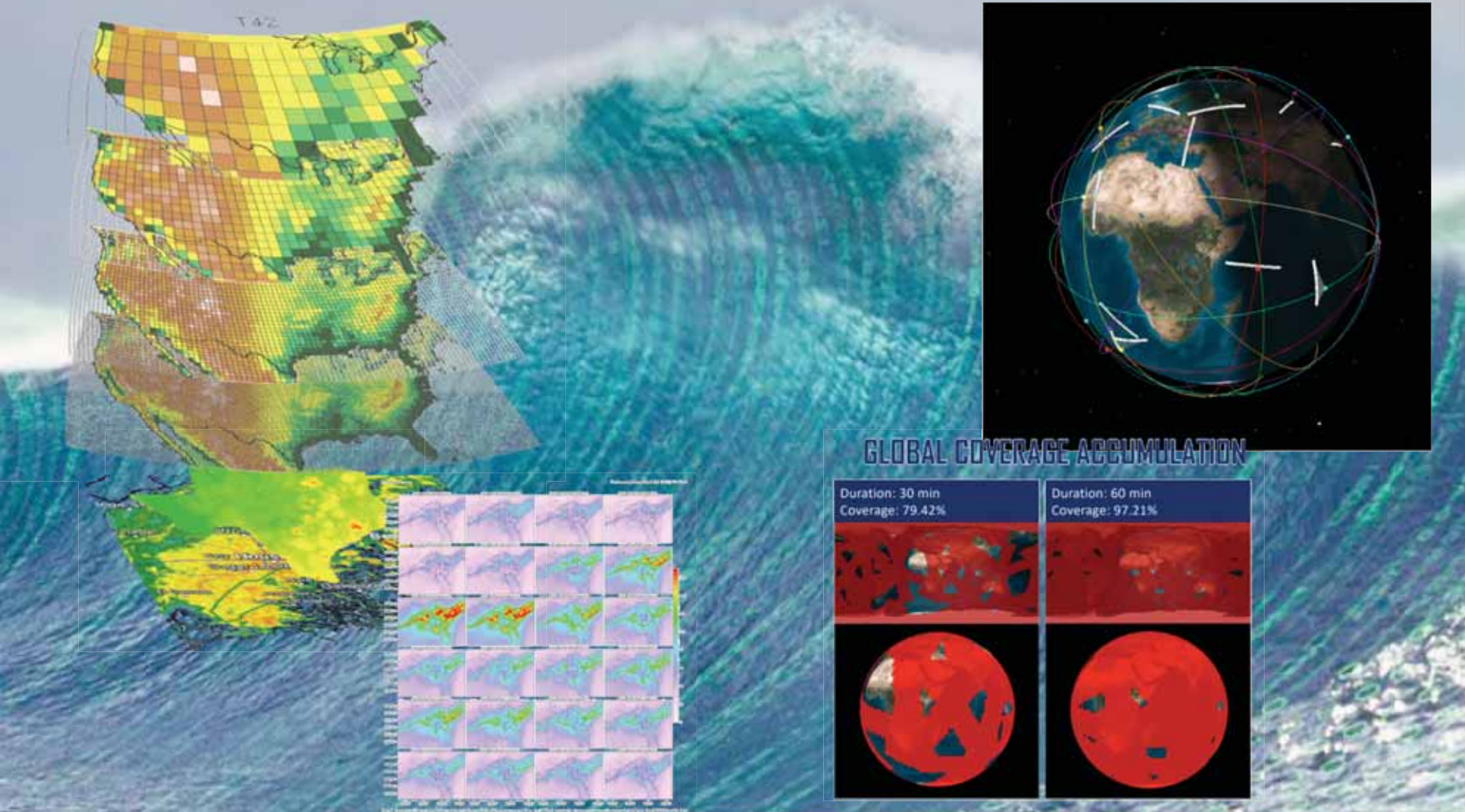


Decisions, Decisions, Decisions, Decisions

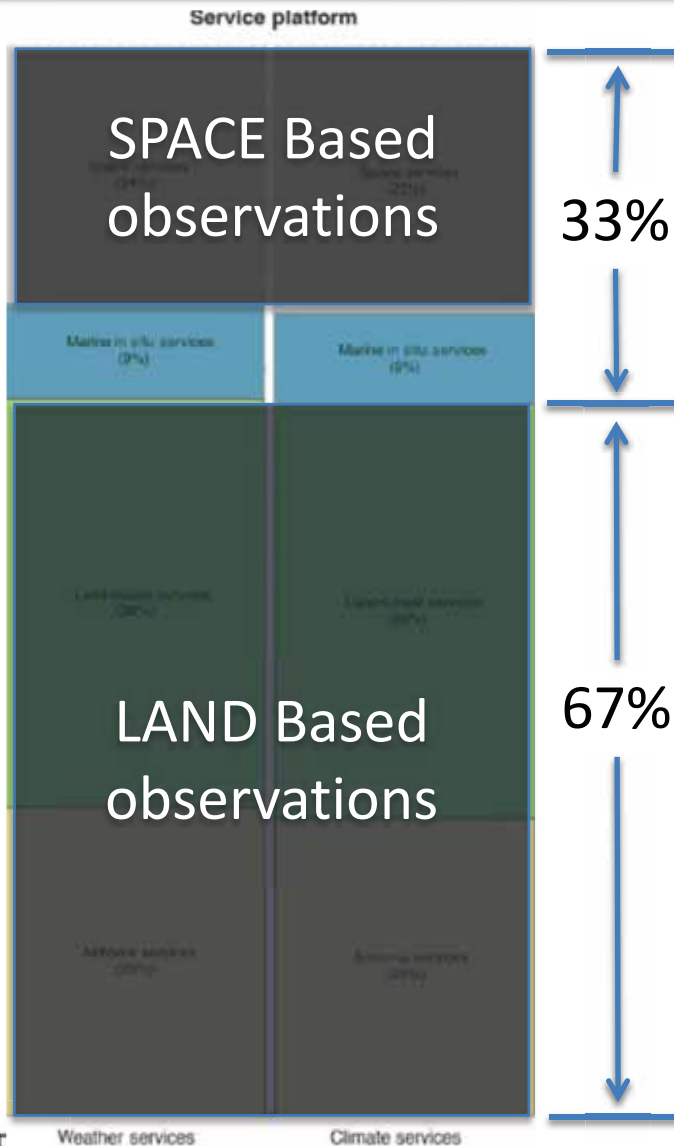


Days of
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Key Drivers Temporal & Spatial Resolution



Key Drivers – Data Diversity




- Data Type
- Formats
- Sensor Type
- Projections
- Calibration Standards
- Network Standards
- Asynchronous Ingestion
- Level of Data
- Ownership
- Licensing
- Quality

Key Drivers – Client Needs

- Visualization
- Data vs. Analytic
- Decision level
- Cultural Communications
- Experience
- Turn-key considerations
- Latency
- Systems Requirements
- Regulations
- Value



Don't Try it Alone

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- Focus on what you do best
 - Cast-off non-core services
 - Engage with ARD providers
 - Right size efforts for ROI
 - Stay in tech-dev cycle
 - Know your client