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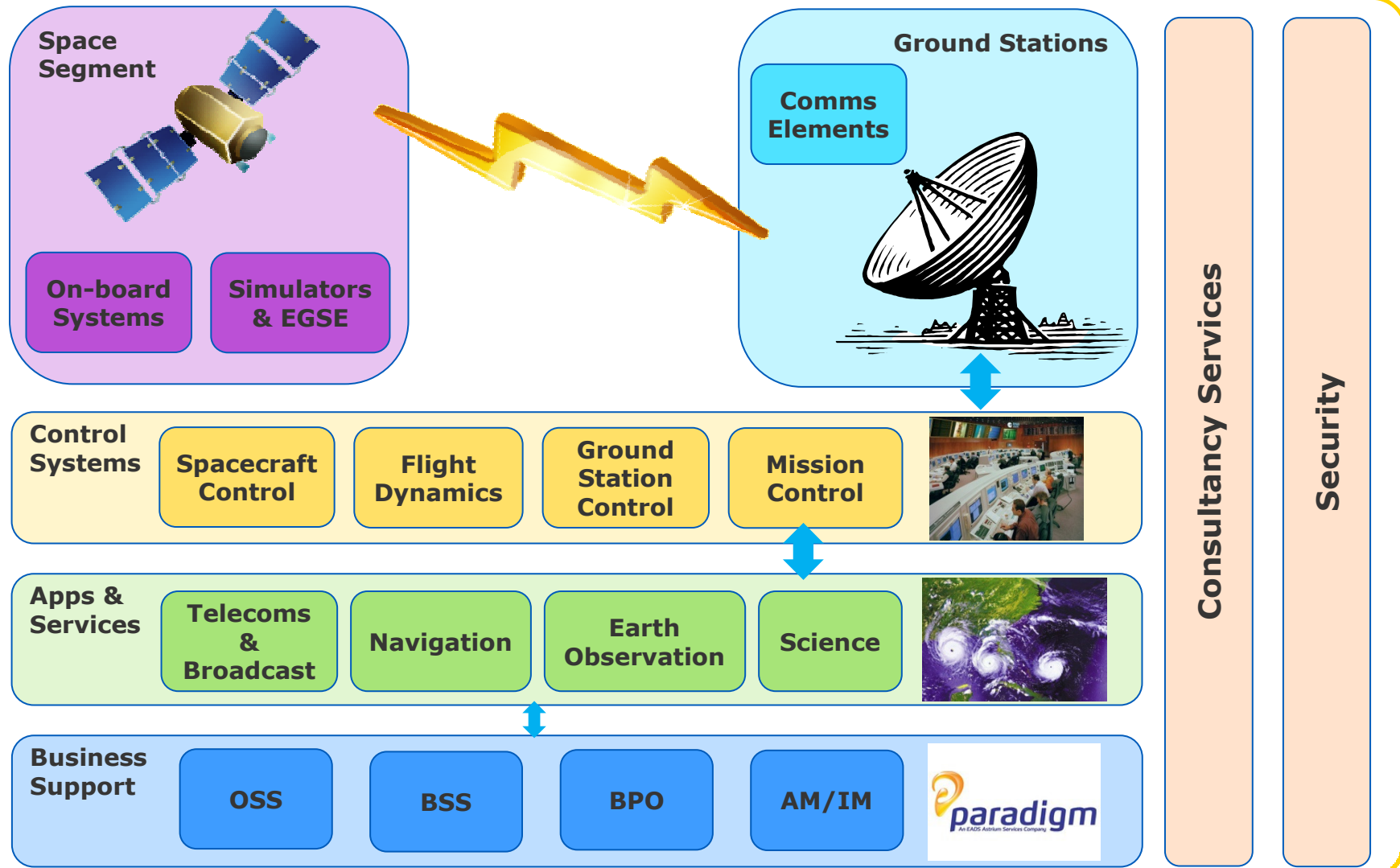
Future of IT In Space Applications and Services

Stuart Martin

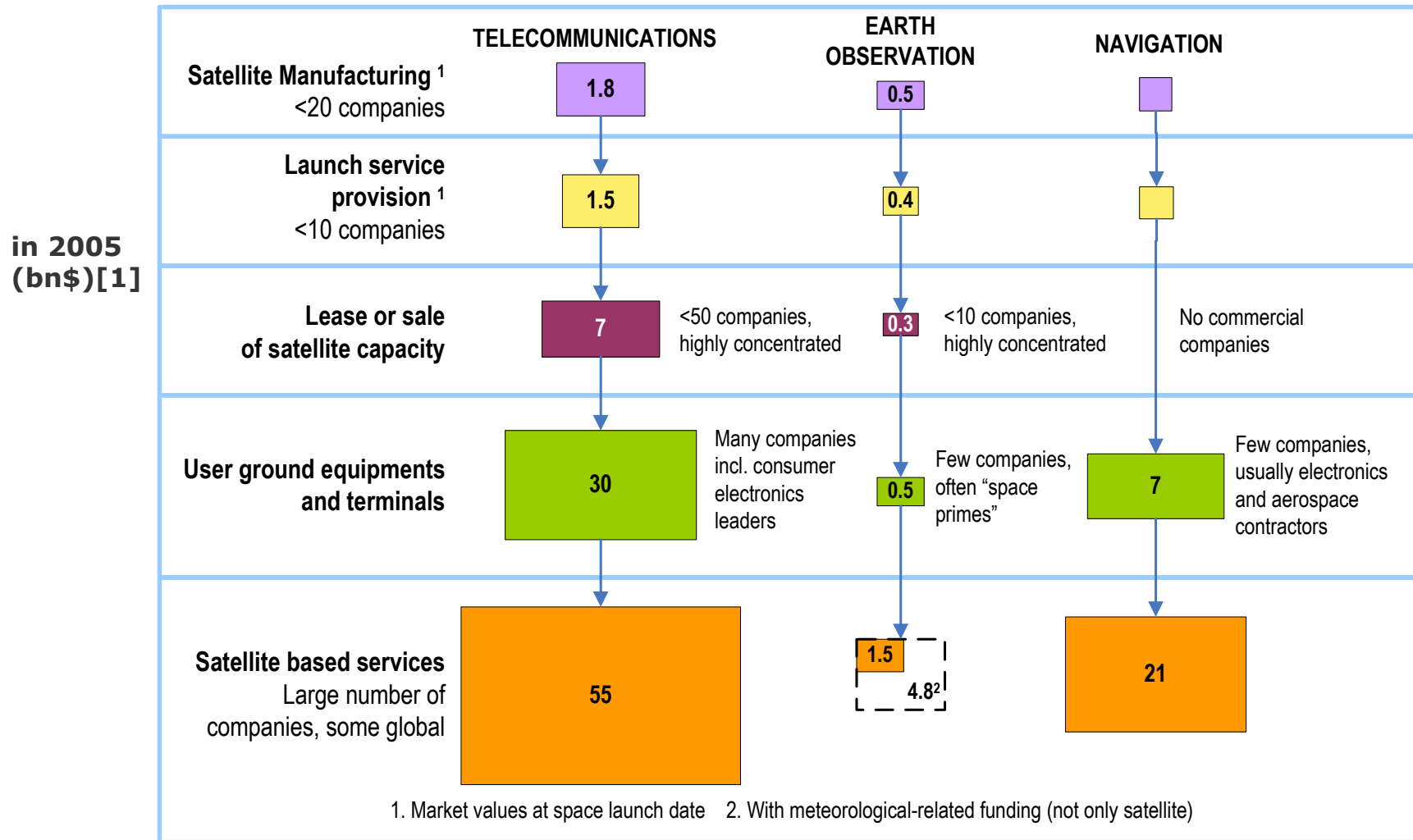
Tallinn, May 2010



IT In Space



The 3 Value chains in commercial satellite operations



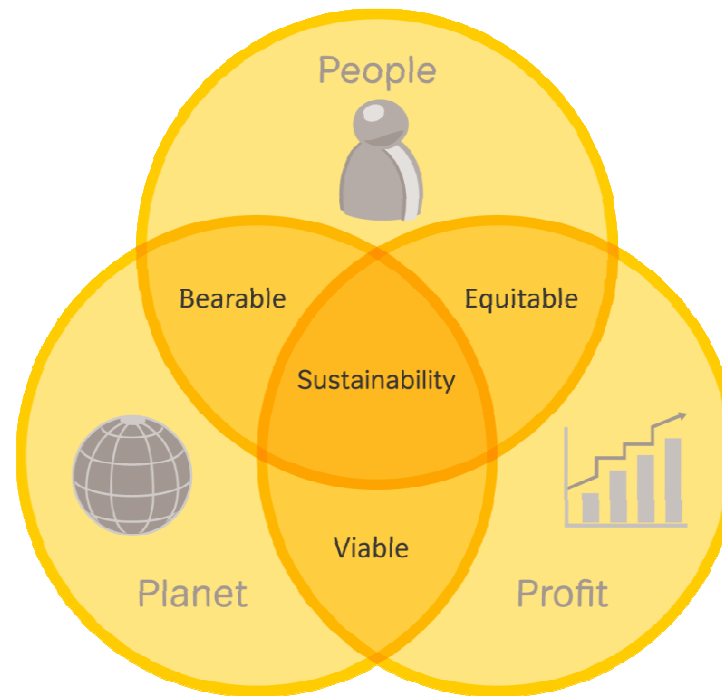
1] OECD, the Space Economy at a Glance 2007, November 2007

Future Challenges and Opportunities for IT in Space

- Sustainability
 - Balancing the 3 'P's: People, Planet and Profit
 - Creating a *sustainable* future across all industry sectors
 - Ensuring the sustainability of the space industry itself
- Security
 - Enabling use of digital services with confidence
 - Ensuring security of the citizen
 - Responding to new threats
- Future IT, and 'The Cloud'
 - Embedding space applications and services into *The Cloud*
 - Opening up EO services to the mass market
 - Moving *The Cloud* into space

Sustainability

- Balancing the 3 'P's: People, Planet and Profit
- Creating a *sustainable* future across all industry sectors
 - Opportunity to exploit space's 'green' credentials
- Ensuring the sustainability of the space industry itself
 - Reassessing the public/private sector balance



Security

- Enabling use of digital services with confidence
 - Security of personal data
 - Enabling premium services and protecting revenues
- Ensuring security of the citizen
 - Supporting Emergency Services
 - Ensuring access to critical services
- Responding to new threats



Future IT and 'The Cloud'

- Embedding Space applications and services into *The Cloud*
 - Lower the entry barrier for exploitation of Space data – especially EO
 - Make all space data accessible from the 'Cloud' – including premium content
 - Create a support environment that enables innovators to innovate
 - Support the emergence of new products and services
 - Enable non-space companies to access information in their language
- Moving *The Cloud* into Space

The future's not what
IT used to be

Thank you