



Earth Observation Showcase

Emerging Applications Powered by Innovative Technologies

Richard Hilton
Satellite Application
Catapult

Mick Johnson
Centre for EO
Instrumentation

Time	Session	Speaker
9:30 – 10:00	Registration and Coffee	
EO is Coming of Age		
10:00 – 10:05	Welcome from the Catapult	<u>Dr. Richard Hilton</u> - Catapult
10:05-10:20	Scene Setting	Prof Mick Johnson – CEOI Dr Catherine <u>Mealing Jones</u> , Director of Growth, UKSA
10:20 – 10:45	Key Note Speech EO Goes Mainstream – The Copernicus Programme	Mr Jolyon Martin - ESA Mr Pierre <u>Potin</u> - ESA
10:45 – 11:05	Key Note Speech Small Satellite Commercial Constellations – A Changing Paradigm for EO	Owen Hawkins, Operations Director, Earth- <u>i</u>
11:05 – 11:30	Coffee, Networking, Table Top Displays & Poster Panels	Attendees
Upstream - EO Technologies of the Future		
11:30 – 11:50	EO and Remote Sensing – Next Generation Technologies	Prof Mick Johnson - CEOI
11:50 – 12:40	Technology Elevator Pitches	CEOI Project Teams x 10
12:40 – 13:00	EO and Remote Sensing Technologies – Non-Space Applications	Dr Andy Bennett - KTN
13:00 – 14:00	Lunch, Networking, 1-2-1 Meetings & Poster Panels	Attendees
Downstream - EO is Transforming		
14:00 – 14:20	EO applications and downstream technology landscape	Mr Tom Jones – Catapult
14:20 – 14:50	VAS SME Elevator Pitches	SME community x 6
14:50 – 15:10	Future Market Requirements and SGP	Mr Sean McCarthy - Catapult
Conclusions		
15:10 – 15:25	Showcase Summary and Open Discussion	Rapporteur – Prof Paul Monks University of Leicester
15:25 – 16:00	Tour of SAC Networking, 1-2-1 Meetings, Poster Boards	Attendees

Introduction to the Satellite Applications Catapult

Satellite Applications Catapult – Strategy at a Glance

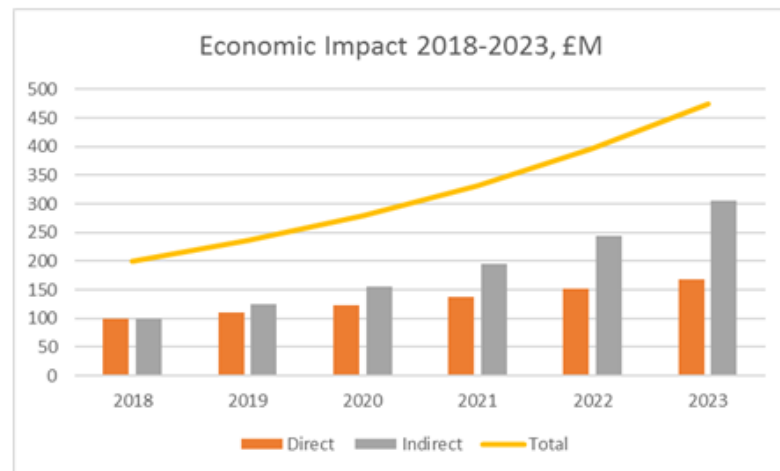
We do Three Things ...

- We 'Energise' new markets by stimulating demand and overcoming barriers to innovation adoption
- We 'Empower' technologies, accelerating TRL development towards new market opportunities
- We 'Enable' businesses to overcome the unique challenges of working with a space-based services



... across Four Global Markets

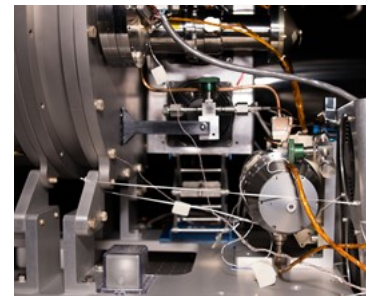
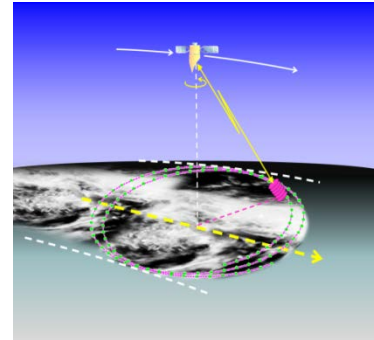
- Intelligent Transport
- Blue Economy
- Government Services
- Sustainable Living



Introduction to the CEOI



- UK Space Agency initiative to strengthen UK EO technology capability, with enhanced breadth and depth
 - Funds innovative technologies for global EO missions
 - Supports developments for commercial and export opportunities
 - Create new UK jobs and economic growth through leverage of investment in EO
 - Parallel industry investment, total ~ £2-3M pa
- CEOI Programme focus on:
 - development of new EO instrumentation and technologies, taking EO technologies to higher TRL
 - horizon scanning and knowledge exchange
 - building highly capable academia/industry partnerships
 - Liaison with ESA
- Partnership led by Airbus with QinetiQ, STFC/RAL and University of Leicester



Showcase Objectives

Foster links between cutting-edge Earth Observation instrumentation specialists and users of the data and downstream applications coming from these technologies

- Provide a clear overview of the EO chain, from upstream sensors through technology integration and data to downstream applications
- Showcase the state of the art in EO technology including Copernicus, constellations enabled by small-satellites and data analysis trends.
- Present emerging technologies and applications
- Foster knowledge-sharing and enable the development of new market-facing EO technologies.

Time	Session	Speaker
9:30 – 10:00	Registration and Coffee	
EO is Coming of Age		
10:00 – 10:05	Welcome from the Catapult	<u>Dr. Richard Hilton</u> - Catapult
10:05-10:20	Scene Setting	Prof Mick Johnson – CEOI Dr Catherine <u>Mealing Jones</u> , Director of Growth, UKSA
10:20 – 10:45	Key Note Speech EO Goes Mainstream – The Copernicus Programme	Mr Jolyon Martin - ESA Mr Pierre <u>Potin</u> - ESA
10:45 – 11:05	Key Note Speech Small Satellite Commercial Constellations – A Changing Paradigm for EO	Owen Hawkins, Operations Director, Earth- <u>i</u>
11:05 – 11:30	Coffee, Networking, Table Top Displays & Poster Panels	Attendees
Upstream - EO Technologies of the Future		
11:30 – 11:50	EO and Remote Sensing – Next Generation Technologies	Prof Mick Johnson - CEOI
11:50 – 12:40	Technology Elevator Pitches	CEOI Project Teams x 10
12:40 – 13:00	EO and Remote Sensing Technologies – Non-Space Applications	Dr Andy Bennett - KTN
13:00 – 14:00	Lunch, Networking, 1-2-1 Meetings & Poster Panels	Attendees
Downstream - EO is Transforming		
14:00 – 14:20	EO applications and downstream technology landscape	Mr Tom Jones – Catapult
14:20 – 14:50	VAS SME Elevator Pitches	SME community x 6
14:50 – 15:10	Future Market Requirements and SGP	Mr Sean McCarthy - Catapult
Conclusions		
15:10 – 15:25	Showcase Summary and Open Discussion	Rapporteur – Prof Paul Monks University of Leicester
15:25 – 16:00	Tour of SAC Networking, 1-2-1 Meetings, Poster Boards	Attendees