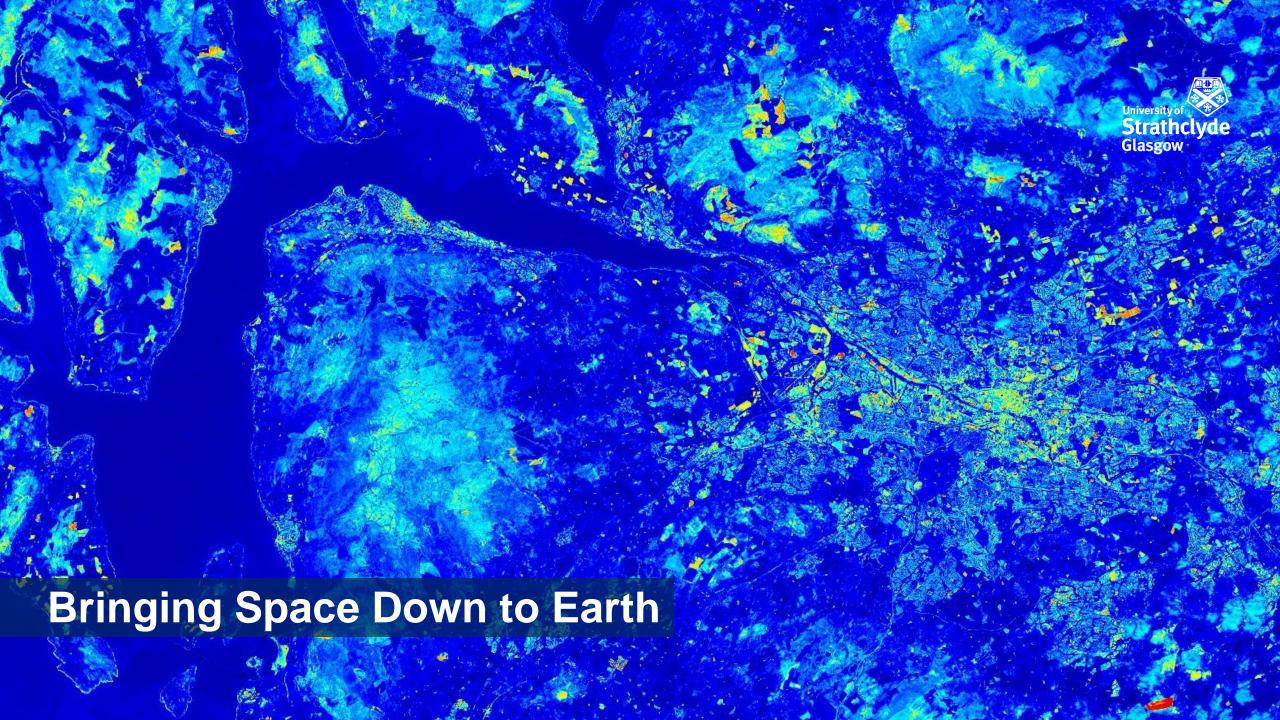


WELCOME

0930	Arrival and Coffee
1000	Welcome
	Sue Kee, SoXSa
	Ally McInroy, MaaS Scotland
1020	Why PNT (Position, Navigation and Timing) is important to the UK and the role of NAVISP within it
	Andy Proctor, UK Space Agency
1040	NAVISP overview #1
	Pierluigi Mancini, European Space Agency
1115	Coffee Break
1135	NAVISP (Navigation, Innovation and Support Programme) Overview #2
	Alessandra Fiumara, European Space Agency
1150	Case Study: IMPACARS
	Rajesh Tiwari, Nottingham Scientific Limited
1210	Case Study: Galileo for Mobility
	Djibril Kaba, Transport Systems Catapult
	Ally McInroy, MaaS Scotland
1235	Lunch
1325	Roundtable Discussions
1455	Review of ideas and summary
1505	Close







> 130 organisations in Scotland engaged in space-related activity (+27% since 2016). 0.29% of Scottish workforce employed by space organisations — highest in UK.

Scotland's space industry plans to grow its value to £4 billion by 2030.

















Innovating in satellite applications to deliver global solutions

- Focus on end-to-end supply chain
- Establish projects that answer challenges
- On-the-ground conversation with, and direct access to research & innovation centres
- Three theme areas:
 - Blue Economy
 - Energy Systems
 - Resilience and Sustainability



Strathclyde

Glasgow







The SoXSA team



Sue Kee Business Development Manager

Dr Steve Owens Knowledge Exchange Fellow



Sarah Burns Centre Manager Jimmy Slaughter Aquasens Project Manager

Dr Chris Lowe Research Fellow

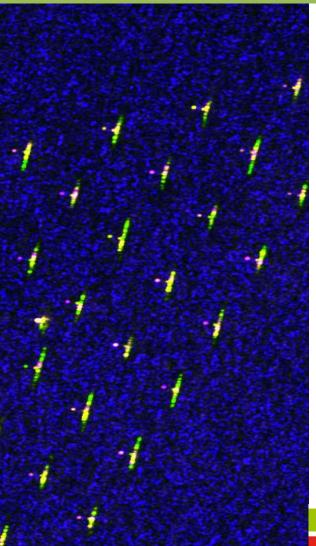
Dr Pam Anderson ESA Business Applications RAP-SCOTNI



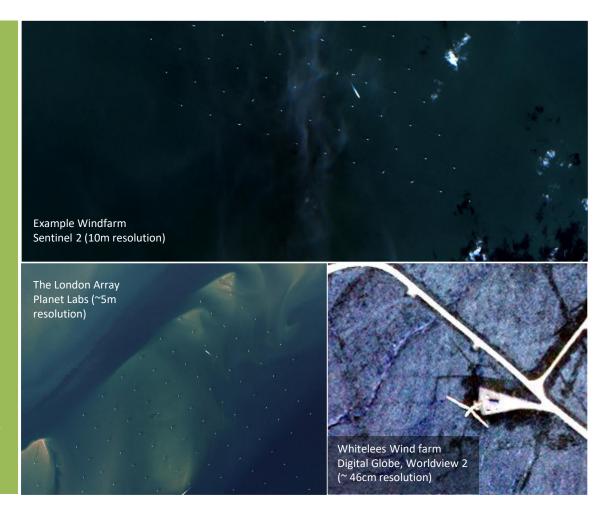








- Need to validate telemetry data
- Accurate pointing critical to energy yield forecasts
- Help yaw misalignment identification
- Explored a range of data sets, developed range of solution options over a range of costs
- Investigating differential GNSS for additional benefits e.g. wave height for maintenance access







- K-band sensor on CubeSat
- Supporting scale-up to constellation & knowledge transfer (PhD's and MSc's)

30.6% South Africa at Extreme risk
31.3% South Africa at High risk

