ARTES 4.0

• **Two general objectives of ARTES**
  
  • Improve competitiveness of industry on global market
  • Support space-based solutions in response to societal and general policy needs.

• **From ARTES -> ARTES 4.0**
  
  • Seize market opportunities (digital economy/space connectivity, governmental security markets,…)
  • Further develop programme’s relevance to market and to Member States’ policies adding even greater efficiency and flexibility.
ESA’s rationale

YES

Yes, the commercial satellite sector (satcom, satnav and Earth observation) is a fundamentally sound sector...

AND

... and there is an unprecedented situation amongst the established satellite operators with a corresponding affect on the satellite manufacturers...

YET

... whilst there are significant “new space” opportunities for satcom that need to be nurtured and supported to achieve their success.
Strategic Stakes

• Unprecedented risks and opportunities for Europe in the market

• Propose an ambitious and aggressive strategy:
  • Focus on strategic lines in line with MS’ policies
  • Further improve processes to nurture and accompany European industry’s initiatives in best way
  • Maintain tight control by MS, allowing trust-based relationships with Executive.
ARTES 4.0

**Strategic Programme Lines**
- Flexibility for MS / Subscriptions

- Space for 5G
- Secure Systems for Safety and Security (4S)
- Optical Communication - ScyLight

**Generic Programme Lines**
- Maximum efficiency / Execution

- Core Competitiveness
- Partnership Projects
- Business Applications Space Solutions
Headlines and fine print

• Proposal that funding sits at the highest level, then disaggregated by project;
• Proposal from ESA to align funding levels for SME with those of EU rejected by MS;
• Strategic lines are containers – no special rules;
• Generic programmes remain largely untouched, but with efforts to streamline processes;
• Partner programme to remain as 3 elements:
  • Preparatory phase;
  • ESA initiated programme;
  • Industry initiated programme.
ESA Ask

• Space for 5G: €320m
• Scylight: €530m
• FP: €35m
• CC: €180m
• PP: €150m
• Business Apps: €260m

• Total - €1,475m
UK position

• Strong case for a good settlement;
• Requested significant uplift on 2016;

• But…

• Committed baseline currently being seen as unspent;
• Requests far outstrip even the most optimistic business case
So what

- Core competitiveness will remain the engine;
- UKSA in the process of reviewing asks;
- Not all will go forward;
- Prioritisation will be needed to fit the budget;
- Don’t assume the funding limits – the key phrase is ‘up to’
Obligatory Uplifting Quote

My doctor says that I have a malformed public duty gland and a natural deficiency in moral fiber,” he muttered to himself, “and that I am therefore excused from saving Universes.

—Douglas Adams