

IoT4EO Survey Results

Providers

03-December-2024

Steven George & Josep Rosello

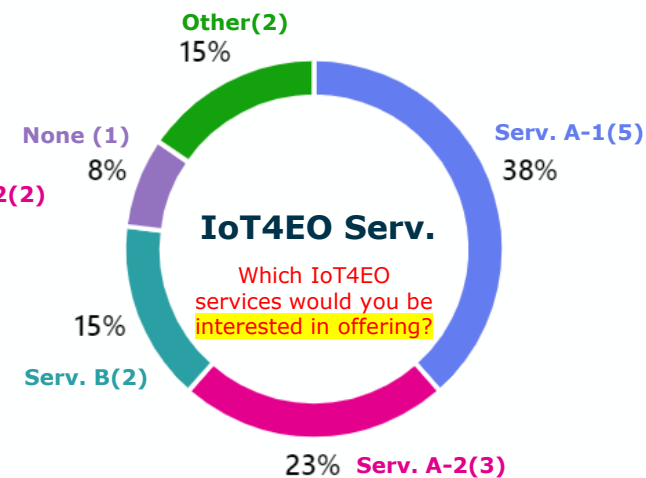
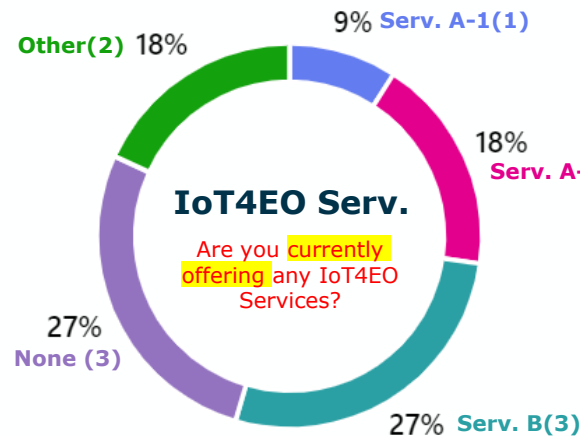
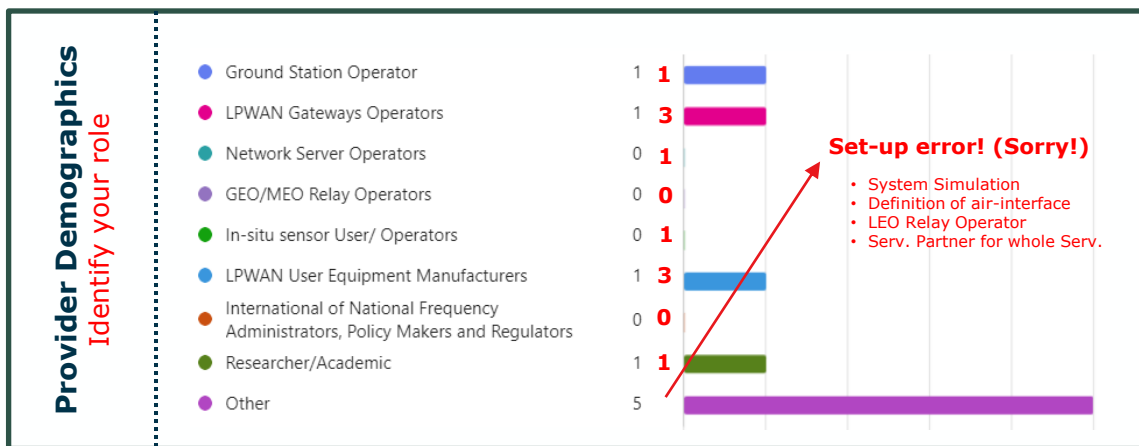
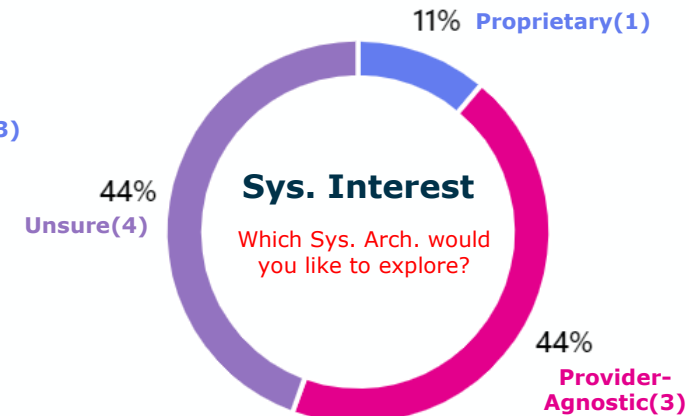
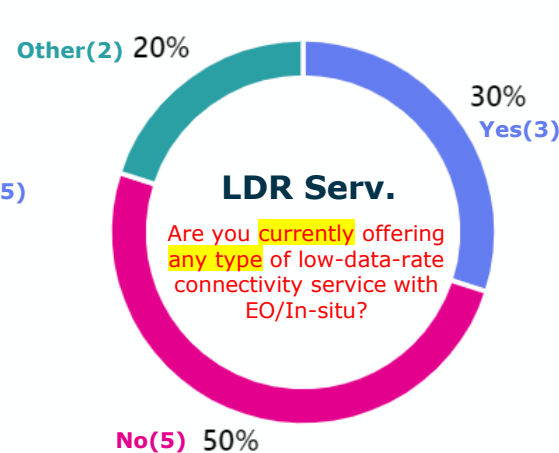
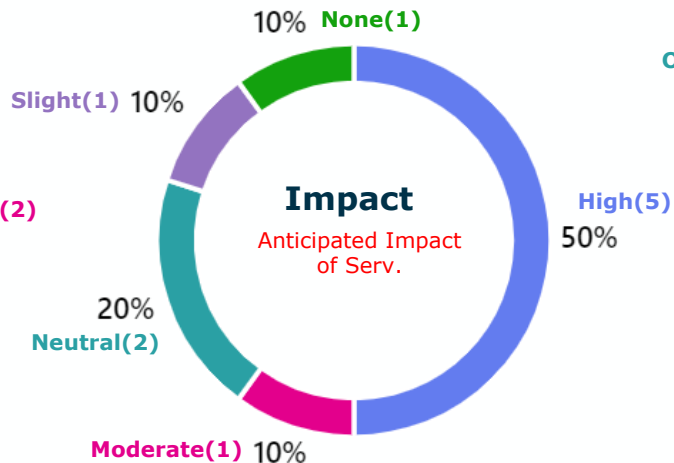
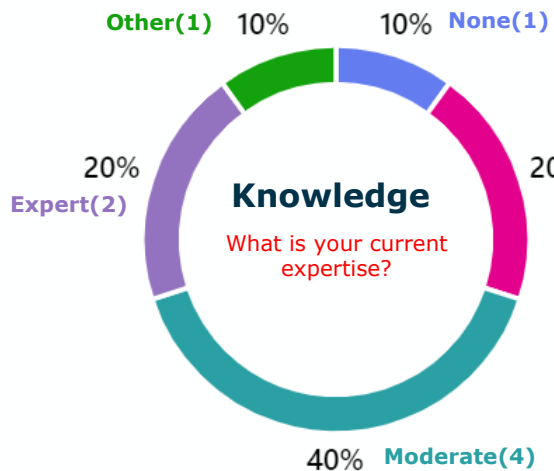
Future Missions & Instruments Division
Earth Observation Programme Directorate

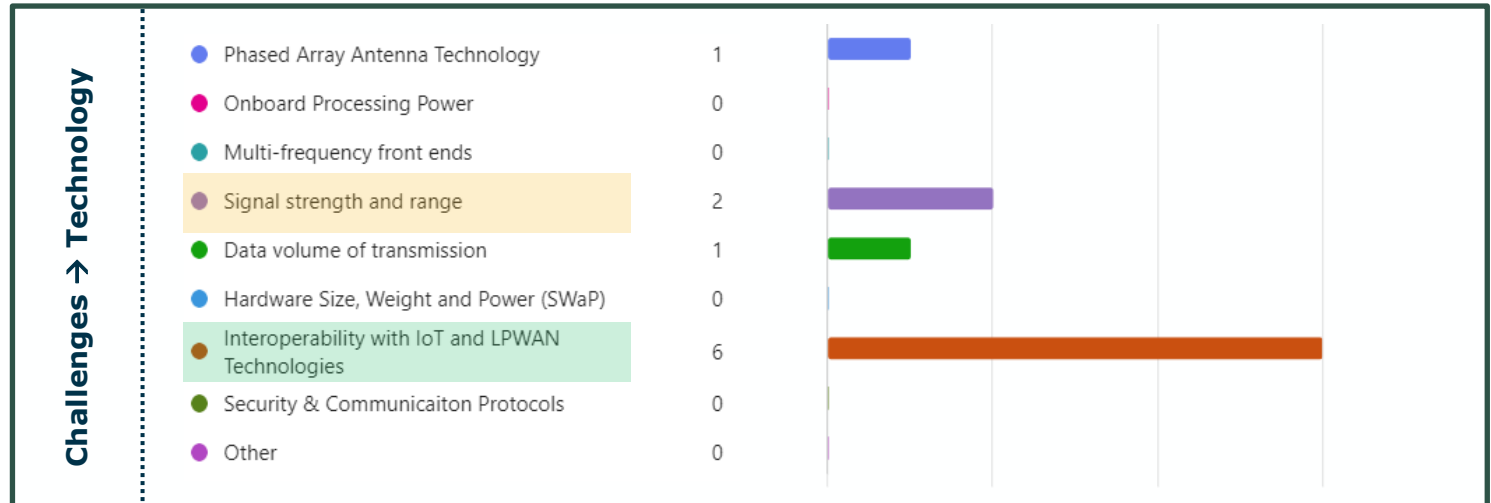
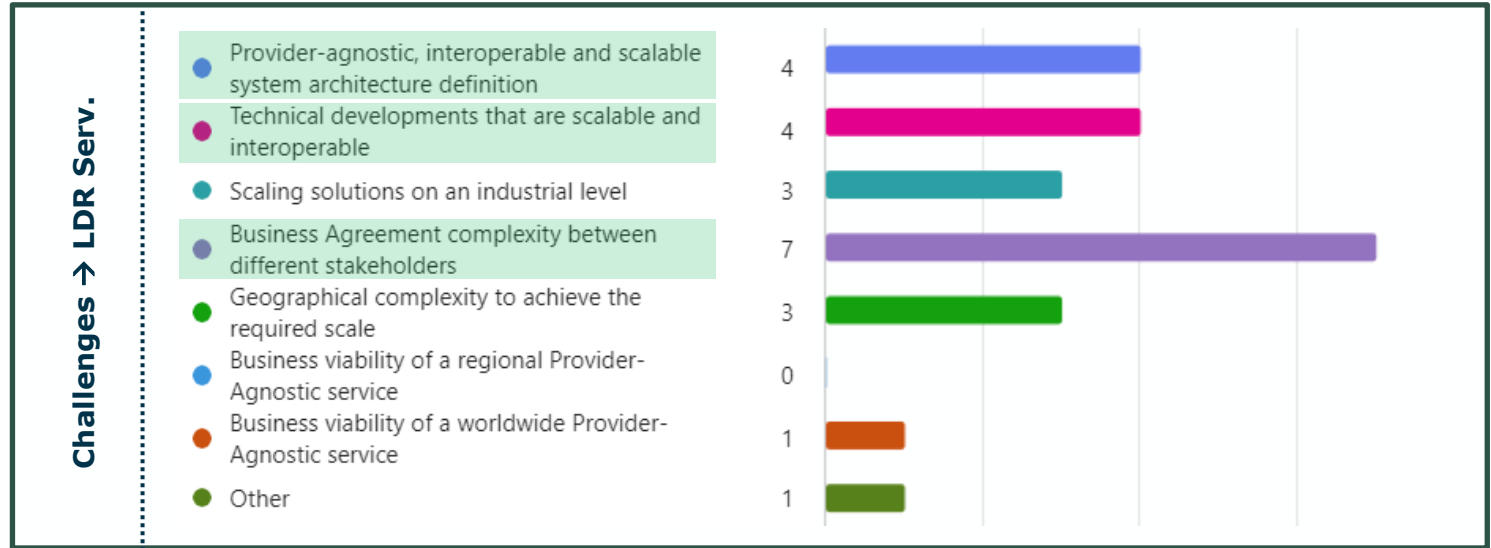
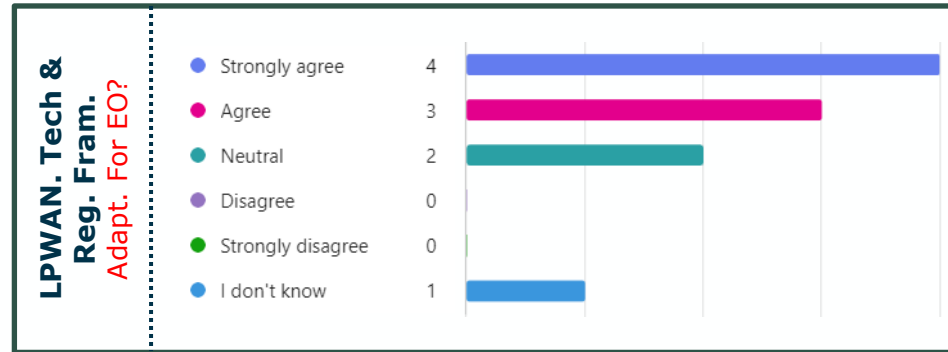
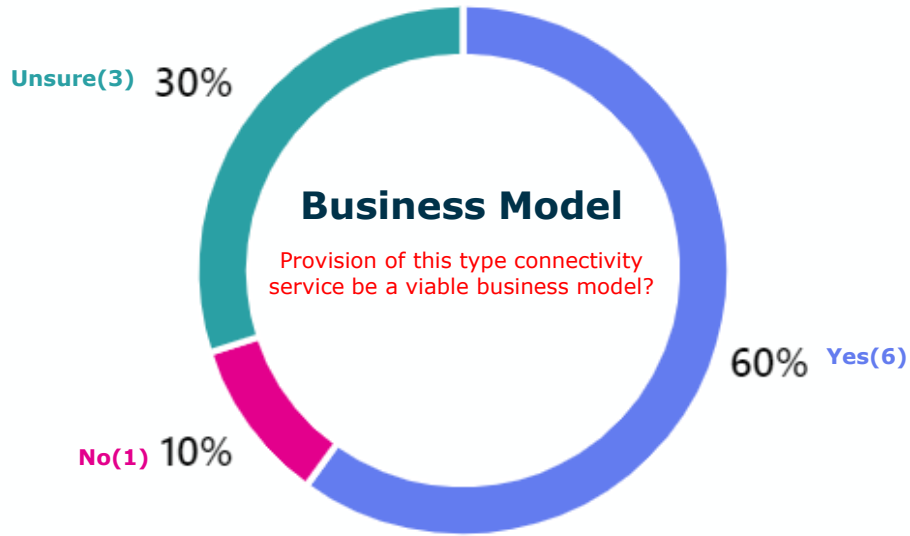
Frank Zeppenfeldt

Future Programmes Division
Connectivity & Secure Communications Directorate

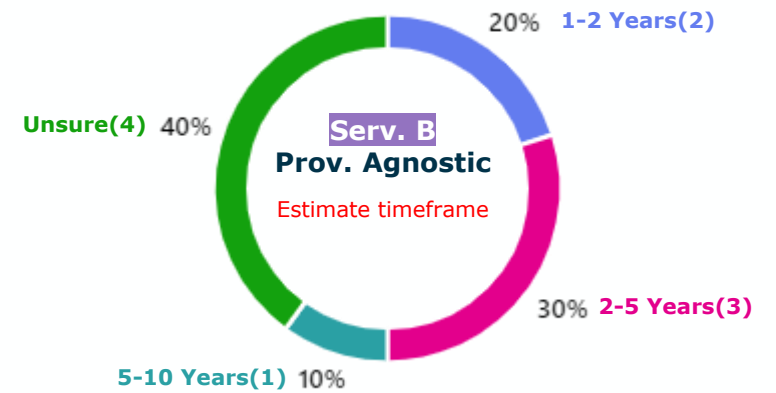
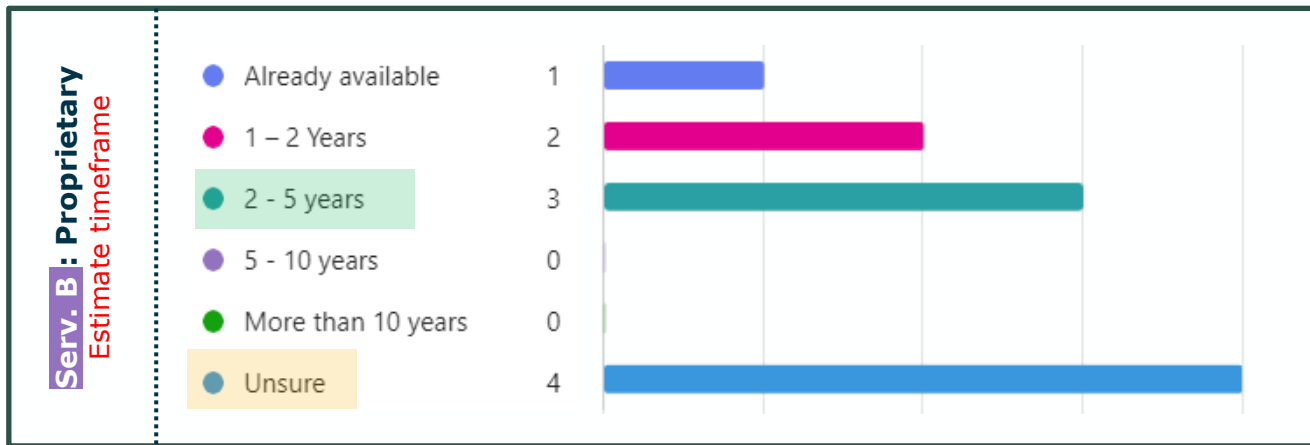
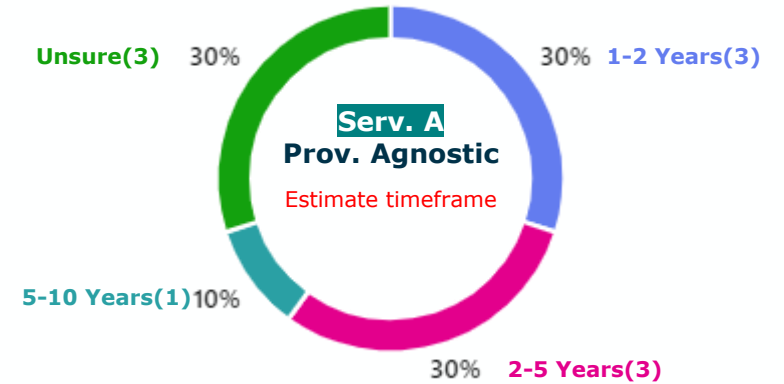
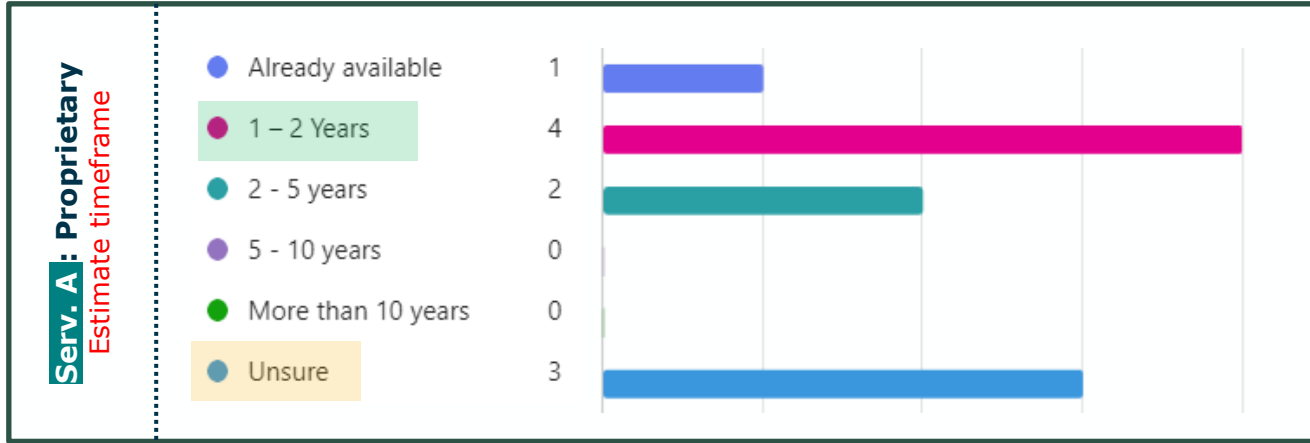
Disclaimer: This is a **PRELIMINARY** analysis of the survey results – these are not to be used in any official capacity

PROVIDER Survey Results – Stakeholder Demographics & Interest

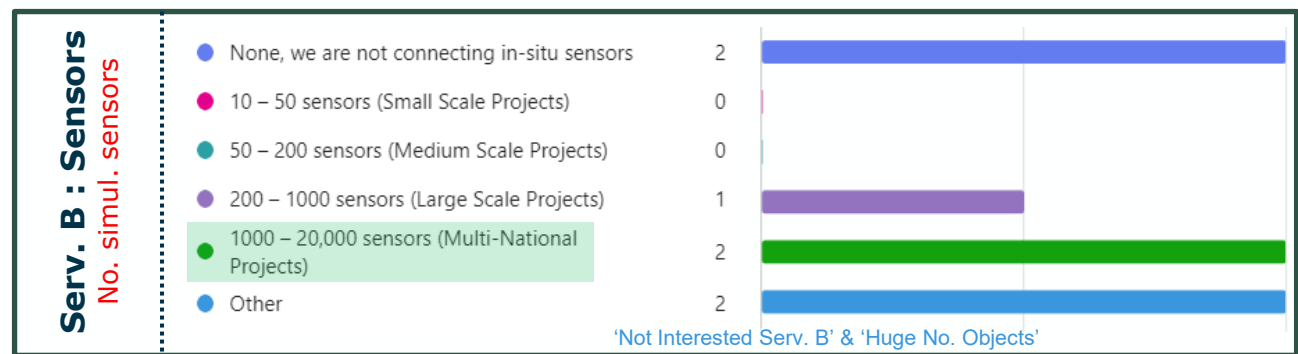
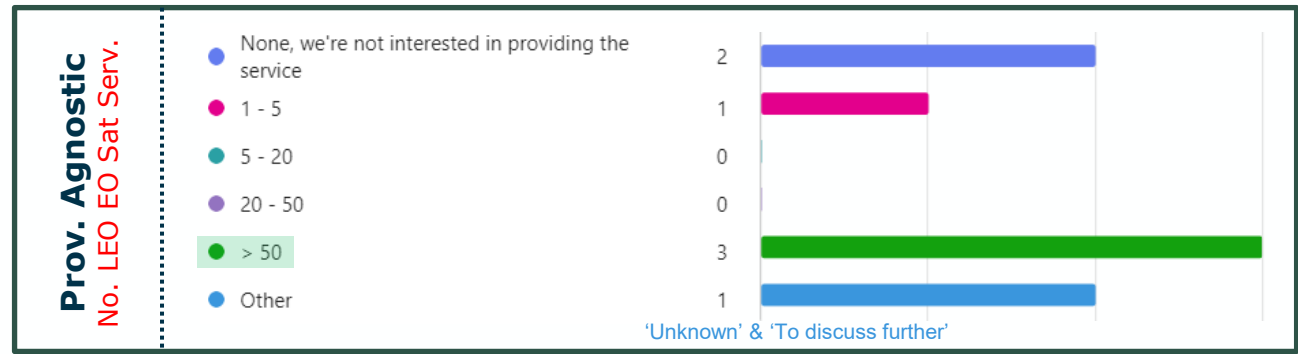
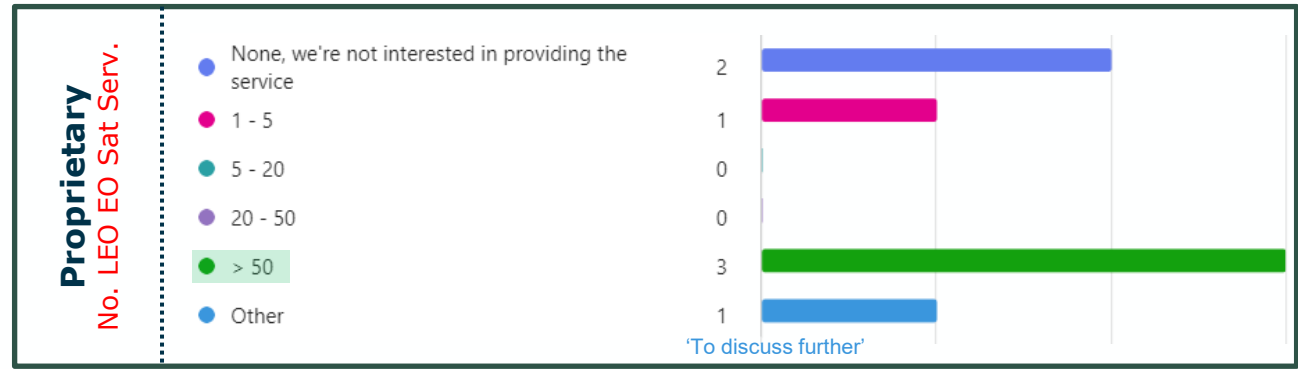
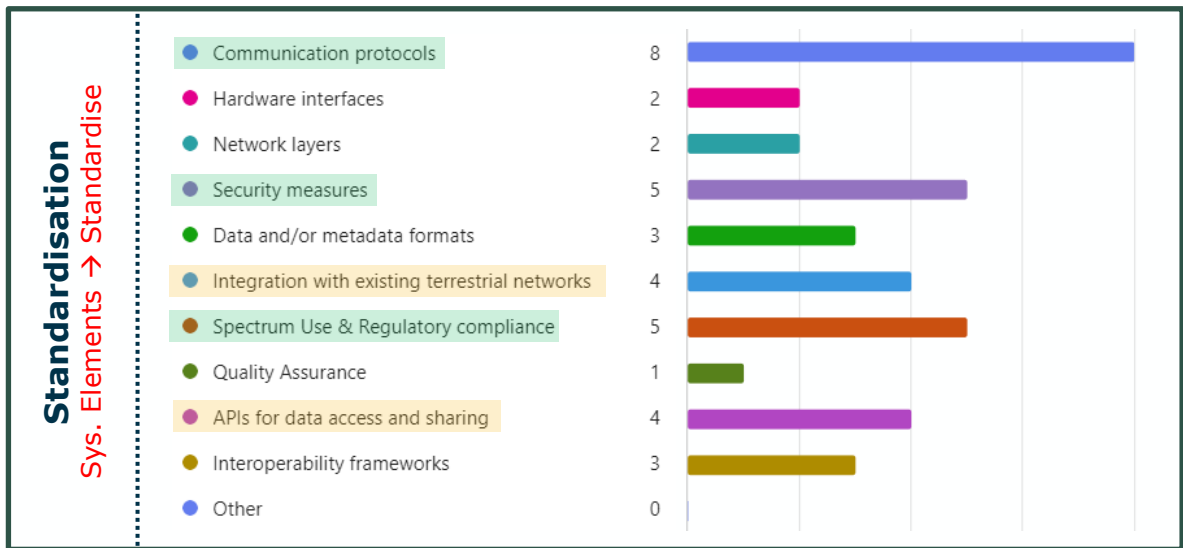
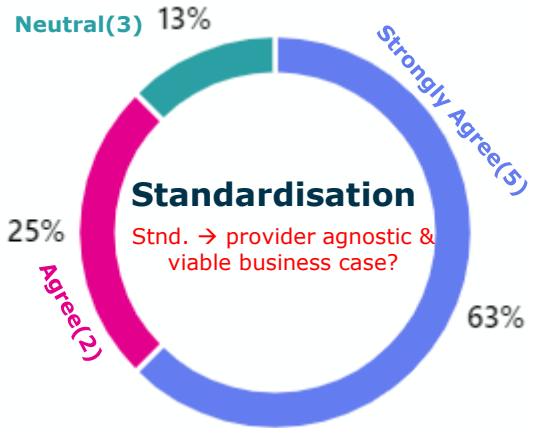




PROVIDER Survey Results – Serv. Readiness (Prop vs Agno)



PROVIDER Survey Results – Interoperability & Scalability



PROVIDER Survey Results – Serv. A Performance & Requirements

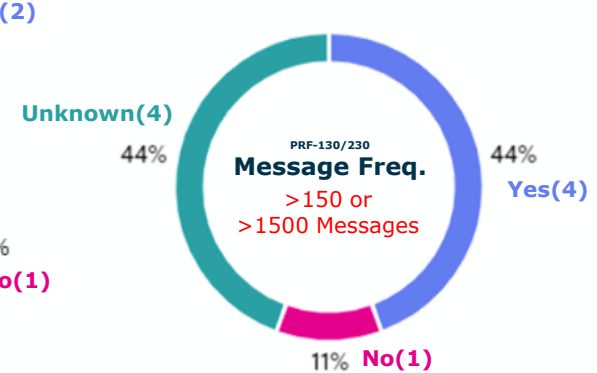
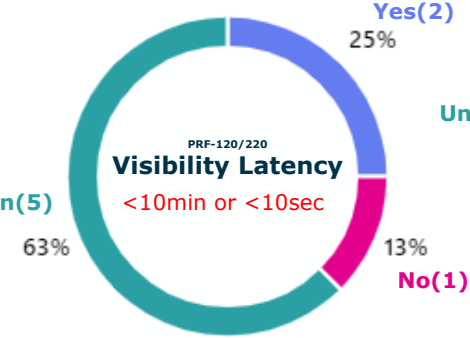
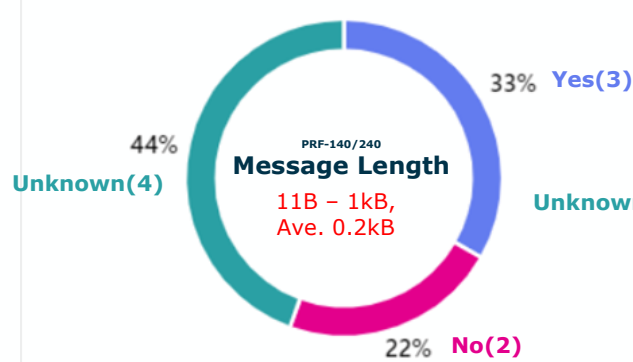
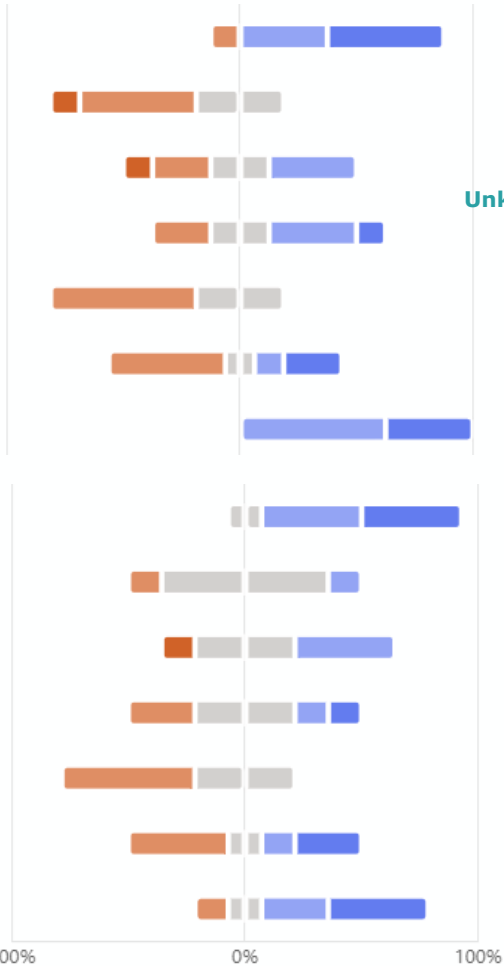


→ Driving Requirements

● 1 (Low) ● 2 ● 3 ● 4 ● 5 (High)

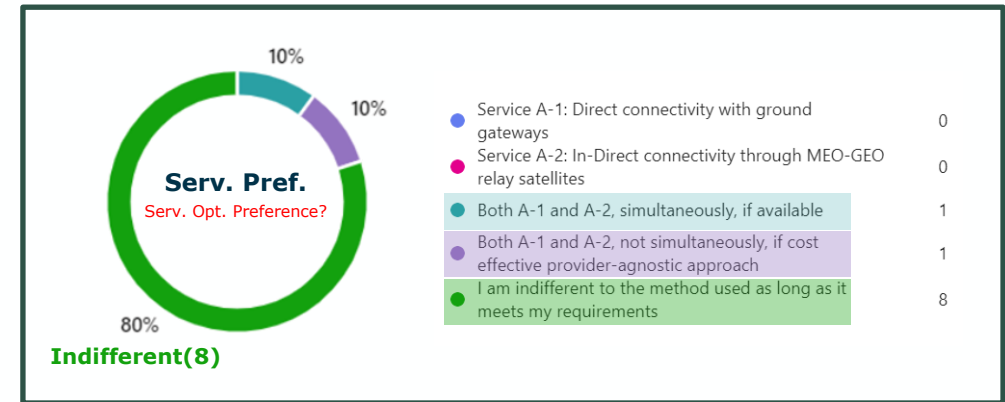
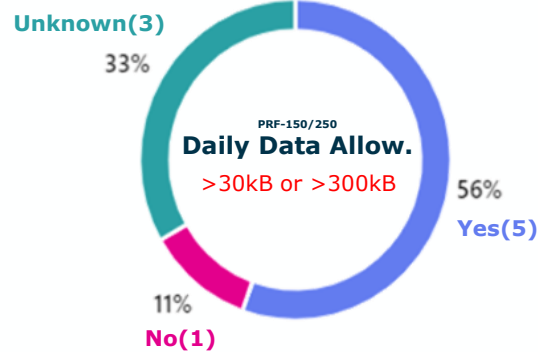
Serv. A-1

- PRF-100: Bi-directional
- PRF-110: Service Speed
- PRF-120: Visibility Latency
- PRF-130: Message Freq.
- PRF-140: Message Length
- PRF-150: Data Allowance
- PRF-160: Coverage



Serv. A-2

- PRF-100: Bi-directional
- PRF-110: Service Speed
- PRF-120: Visibility Latency
- PRF-130: Message Freq.
- PRF-140: Message Length
- PRF-150: Data Allowance
- PRF-160: Coverage



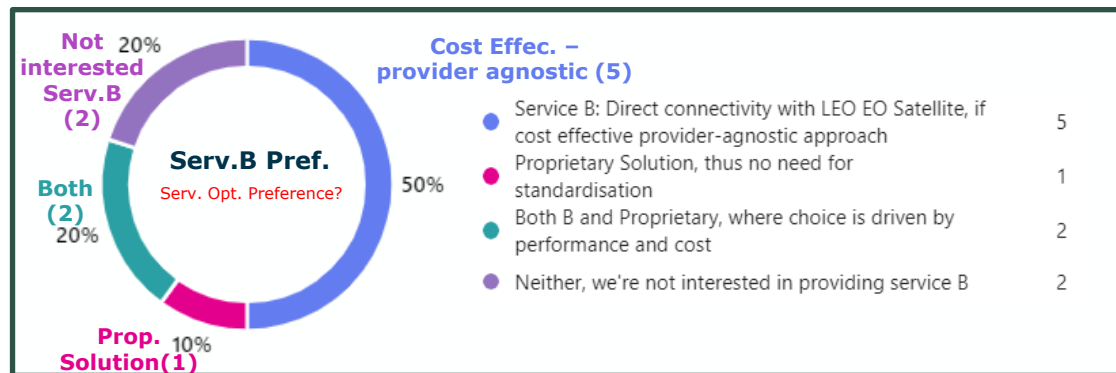
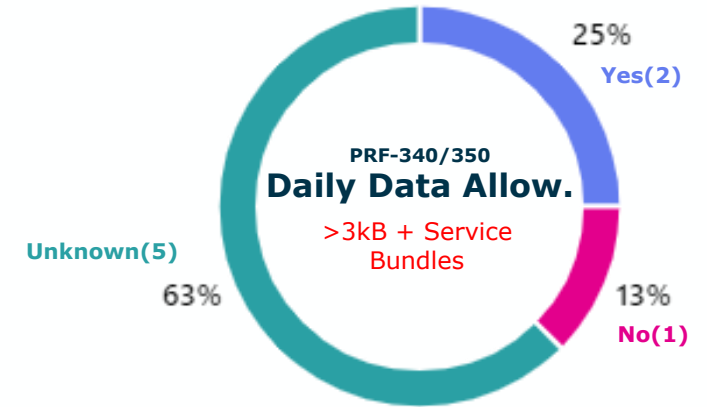
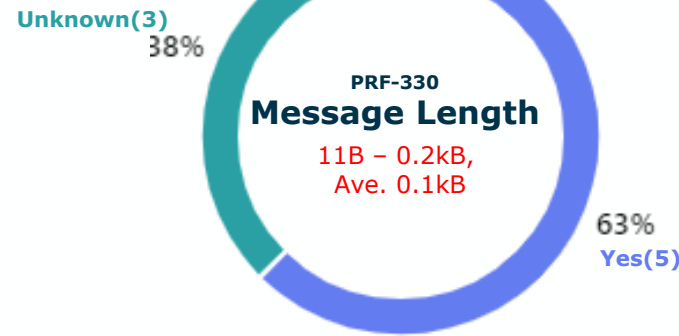
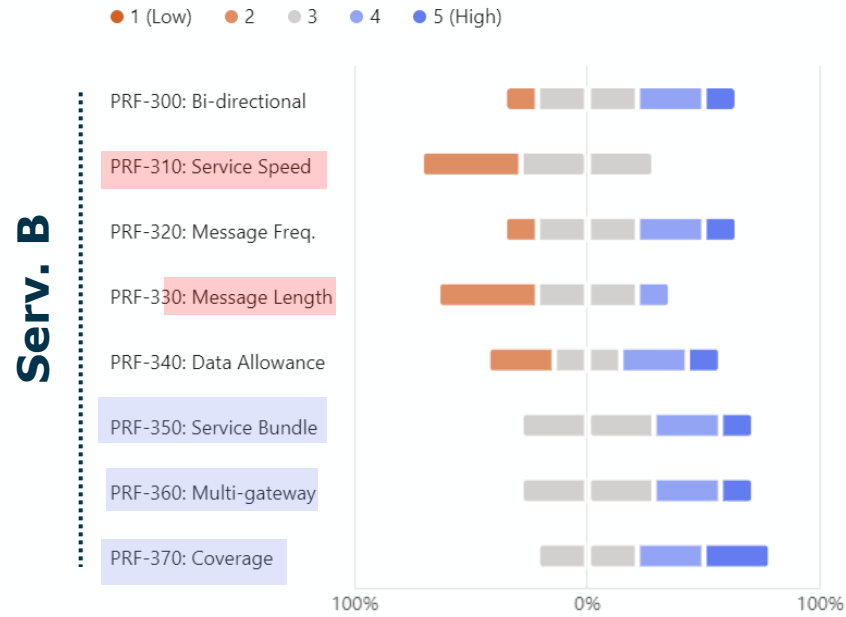
- Service A-1: Direct connectivity with ground gateways 0
- Service A-2: In-Direct connectivity through MEO-GEO relay satellites 0
- Both A-1 and A-2, simultaneously, if available 1
- Both A-1 and A-2, not simultaneously, if cost effective provider-agnostic approach 1
- I am indifferent to the method used as long as it meets my requirements 8



PROVIDER Survey Results – Serv. B Performance & Requirements



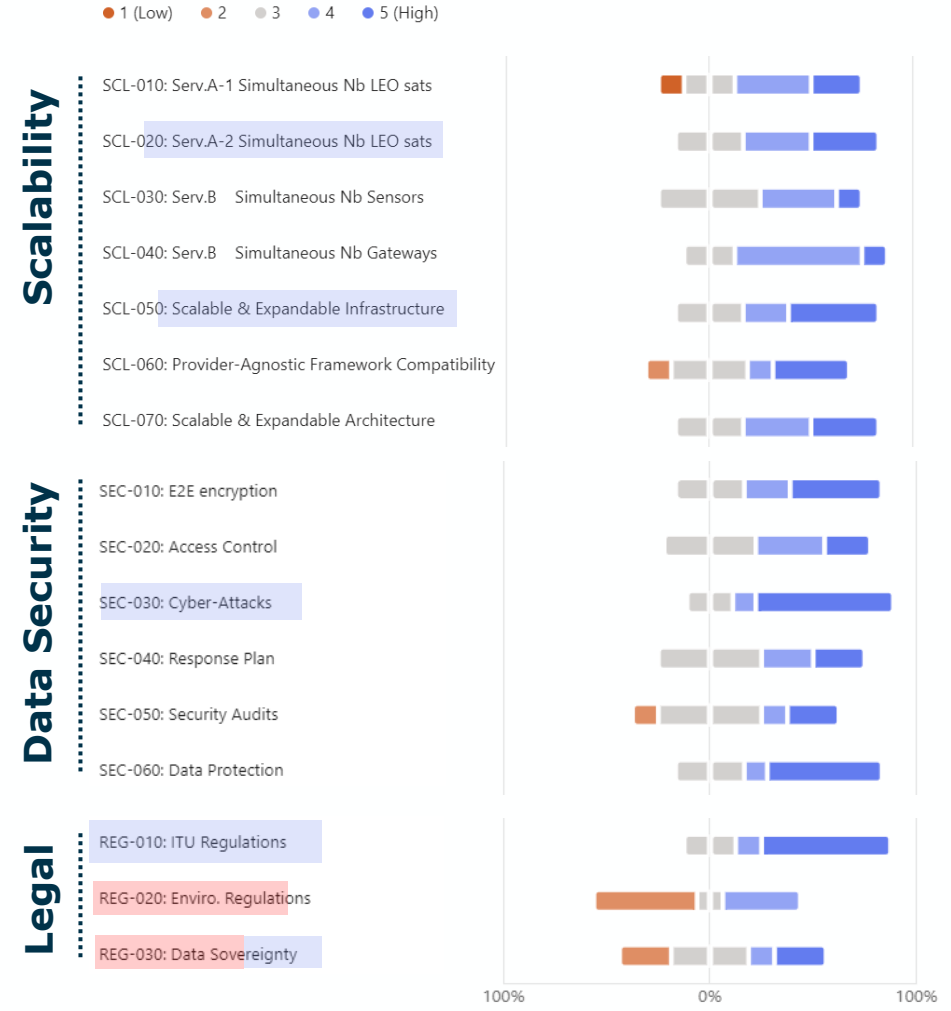
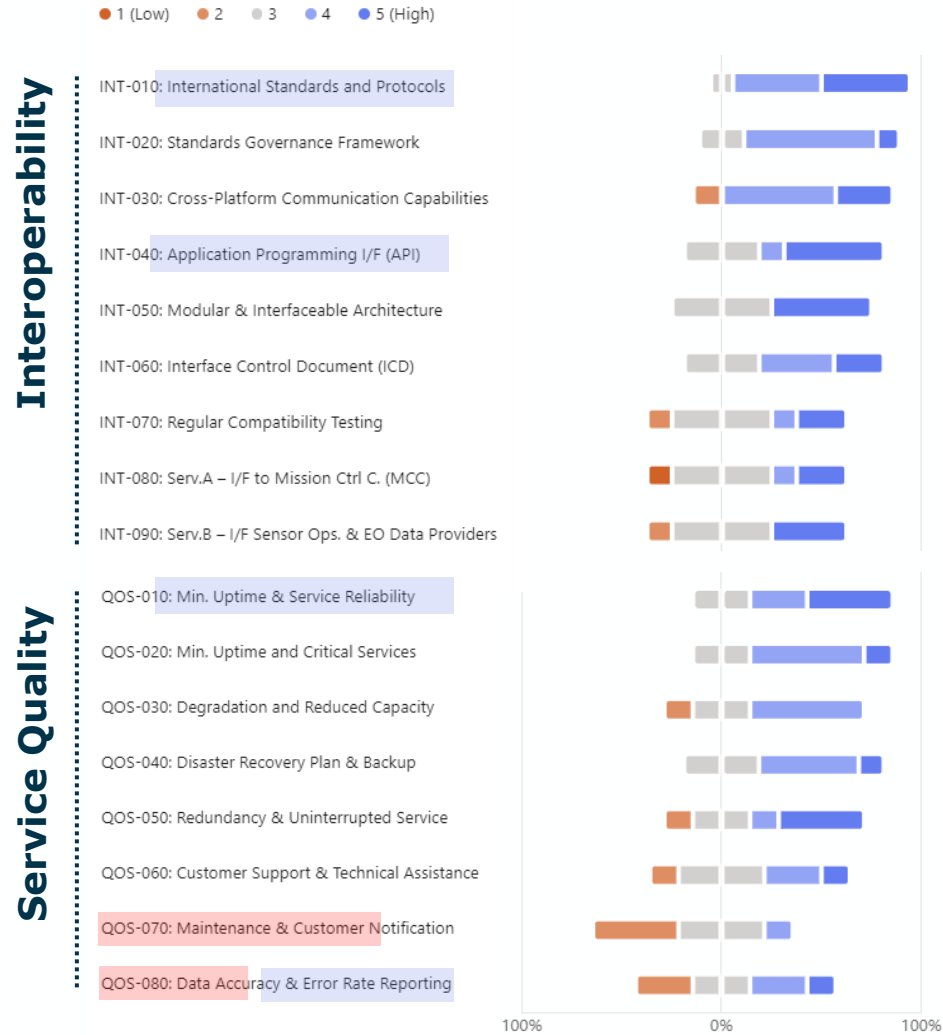
→ Driving Requirements

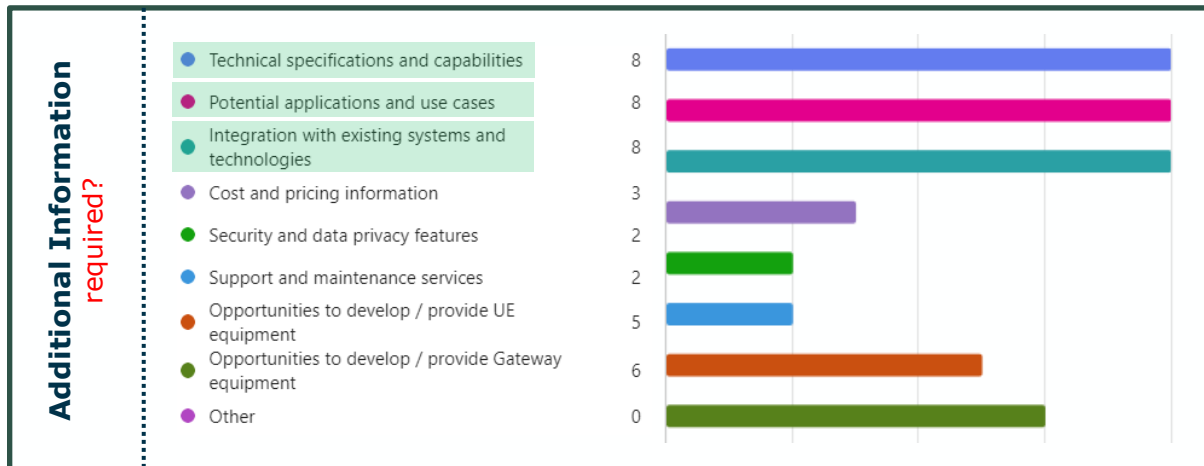
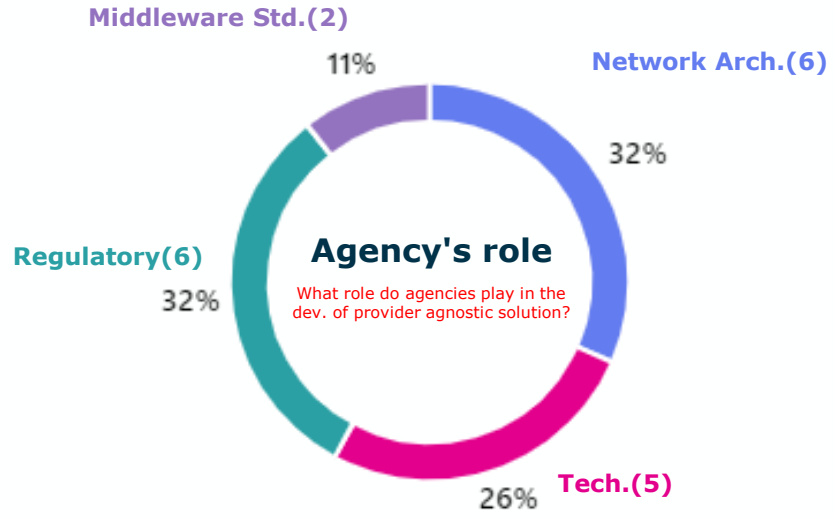


PROVIDER Survey Results – Service Requirements



→ **Driving Requirements:** Interoperability, Service Quality, Scalability, Data Security, Legal & Regulation





IoT4EO Workshop #2

Open Floor (Questions)

Feedback on services from providers

15 mins