

IoT4EO Survey Results

EO Users

02-December-2024

Steven George & Josep Rosello

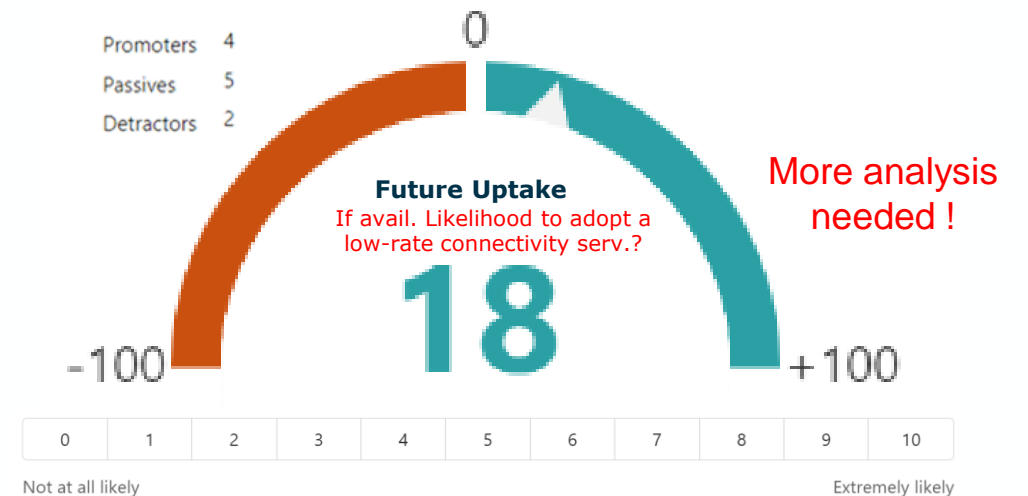
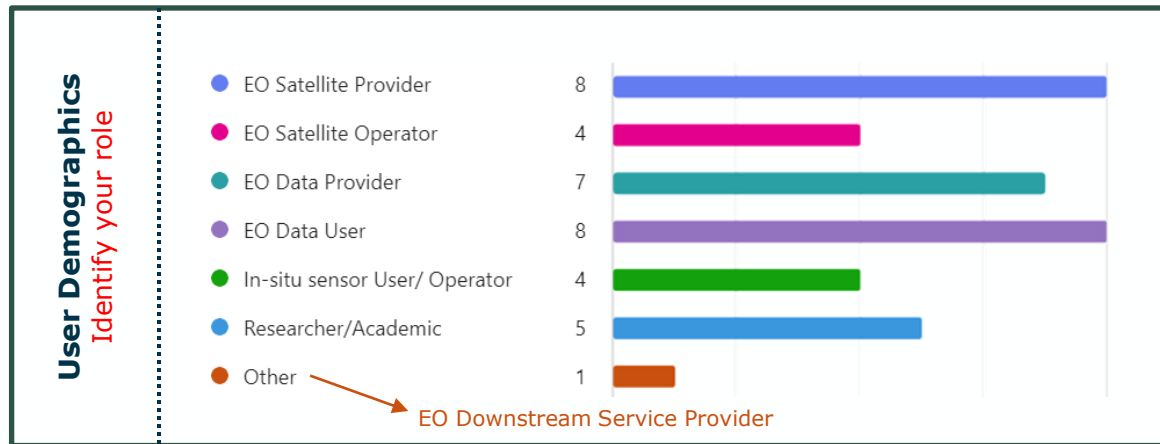
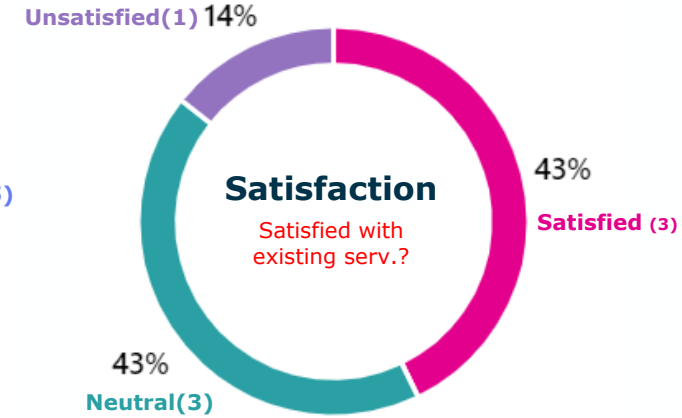
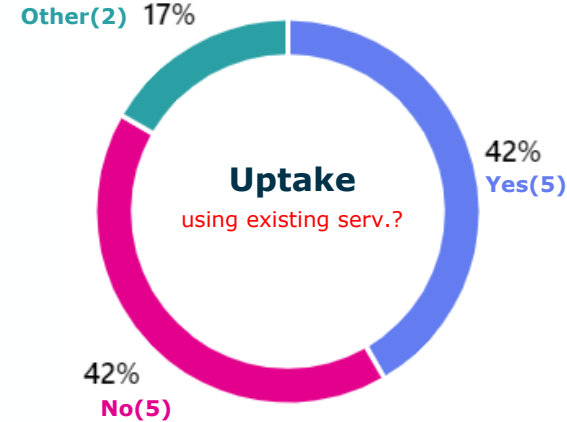
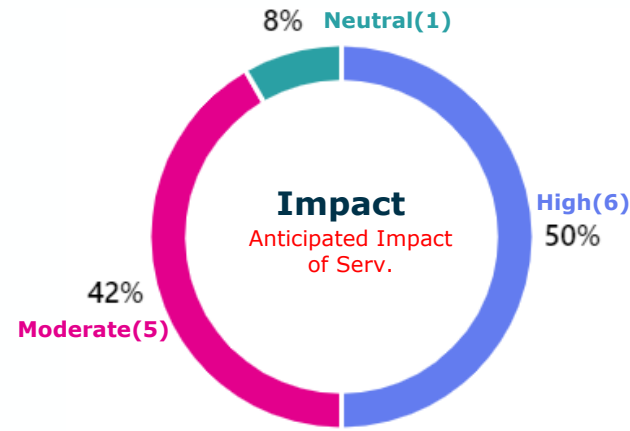
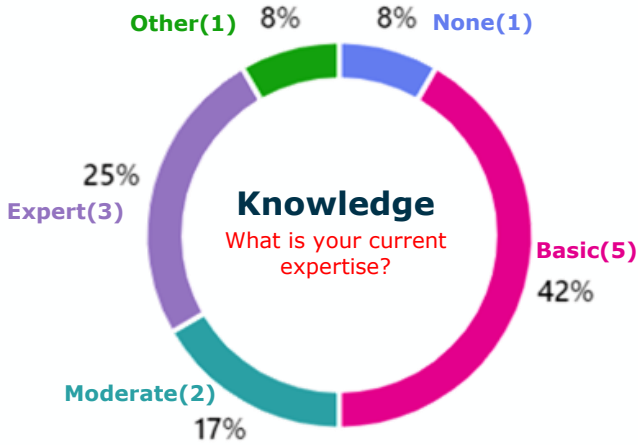
Future Missions & Instruments Division
Earth Observation Programme Directorate

Frank Zeppenfeldt

Future Programmes Division
Connectivity & Secure Communications Directorate

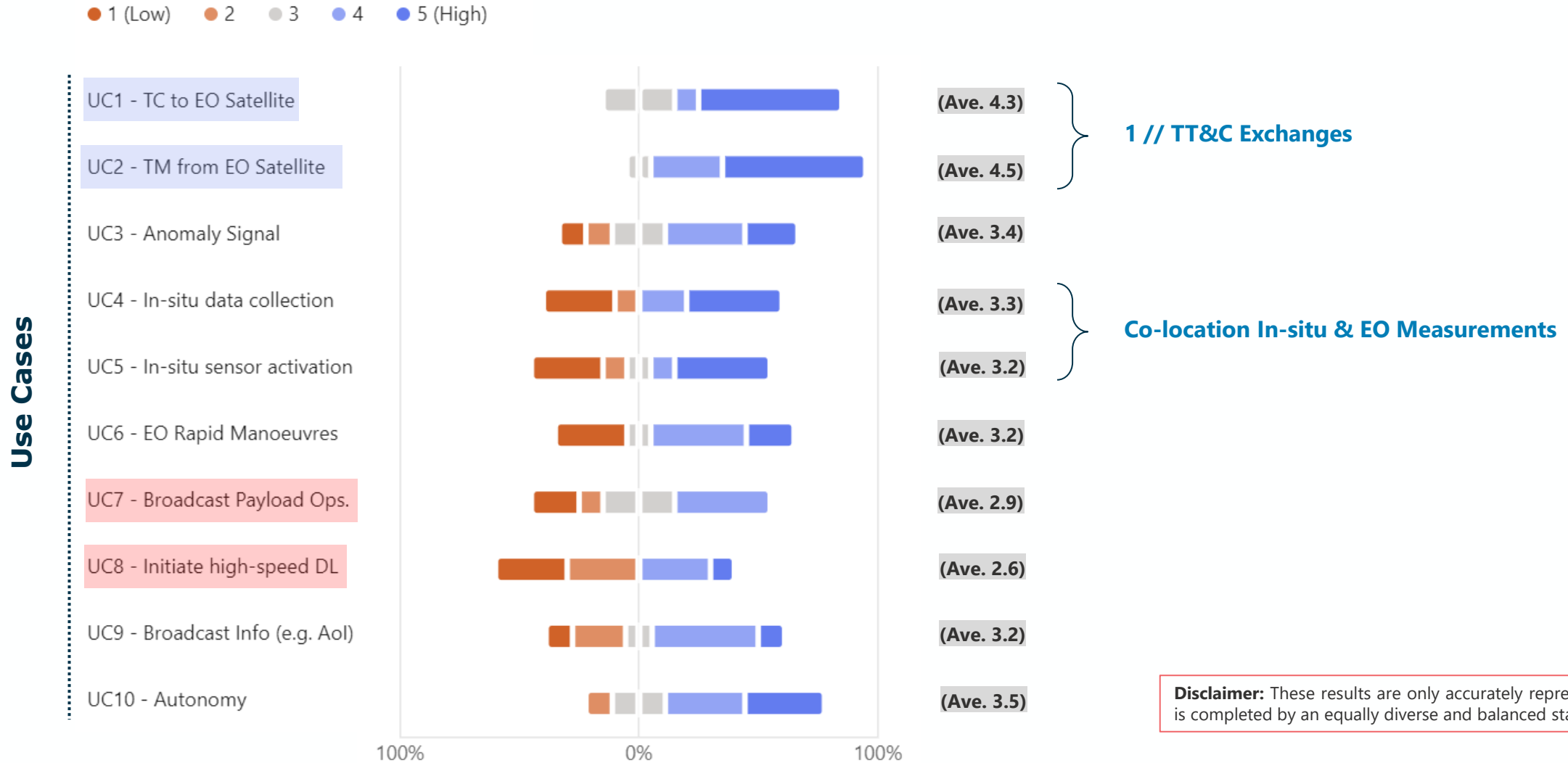
Disclaimer: This is a PRELIMINARY analysis of the survey results – these are not to be used in any official capacity

USER Survey Results – Stakeholder Demographics & Interest



USER Survey Results – Stakeholder Interest

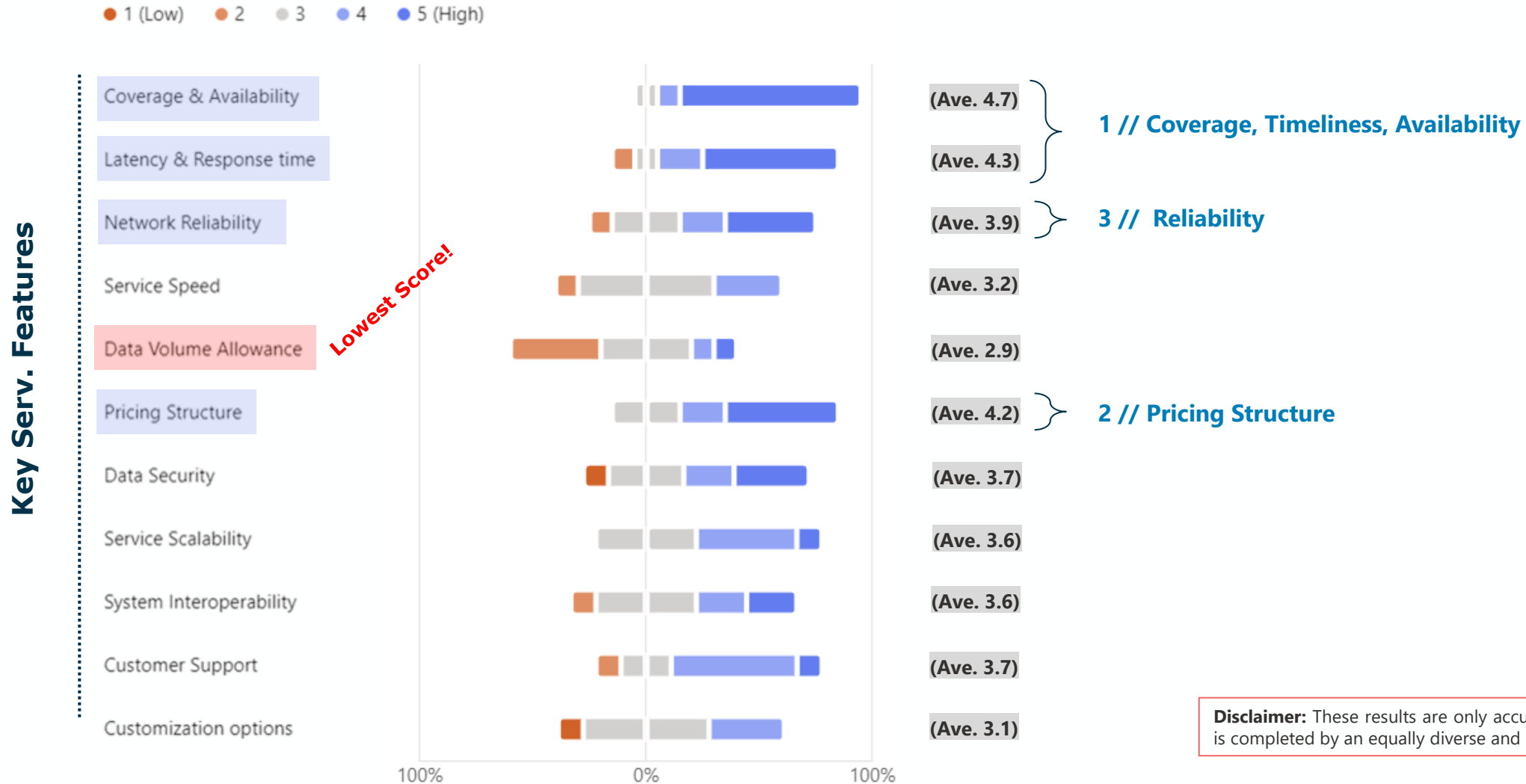
→ Rating of Importance



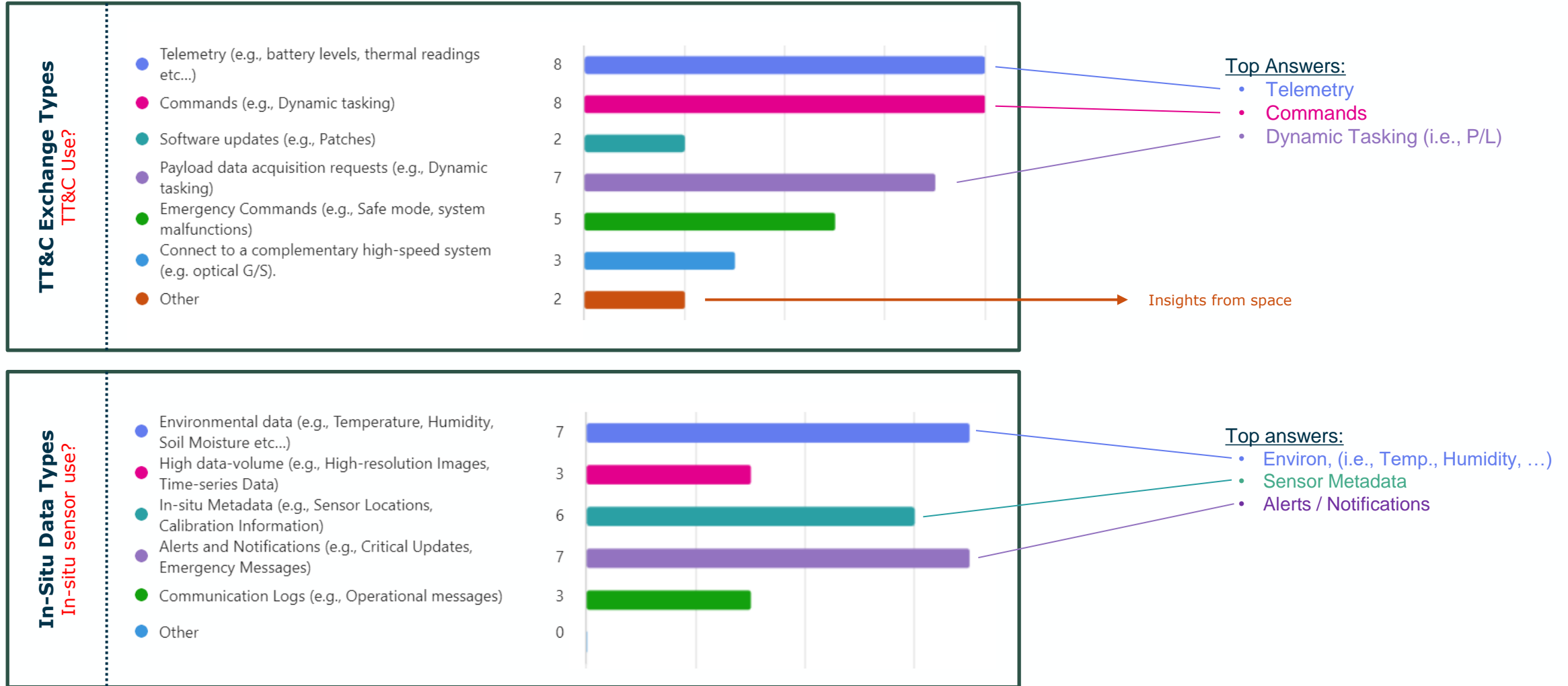
Disclaimer: These results are only accurately representative if the survey is completed by an equally diverse and balanced stakeholder pool

USER Survey Results – Needs & Usage

→ Rating of Importance



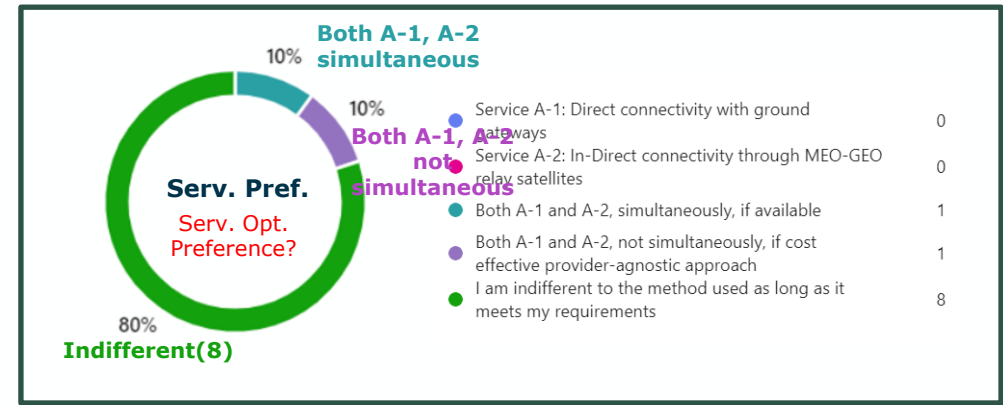
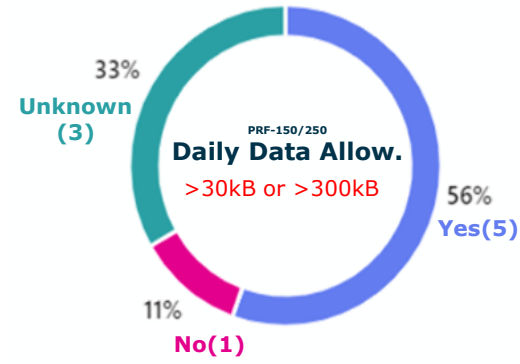
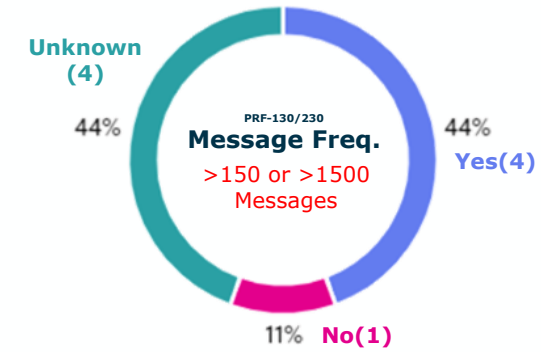
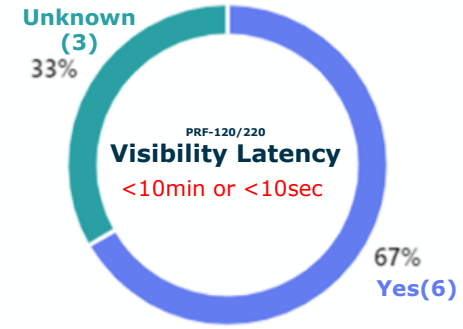
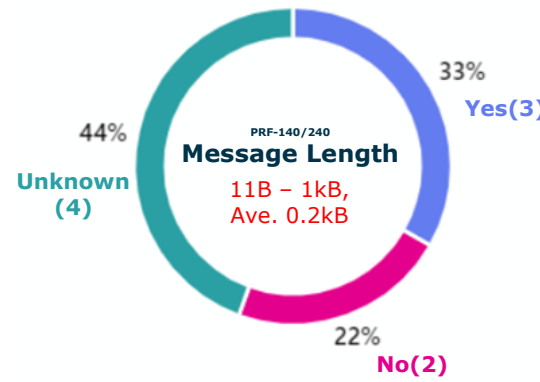
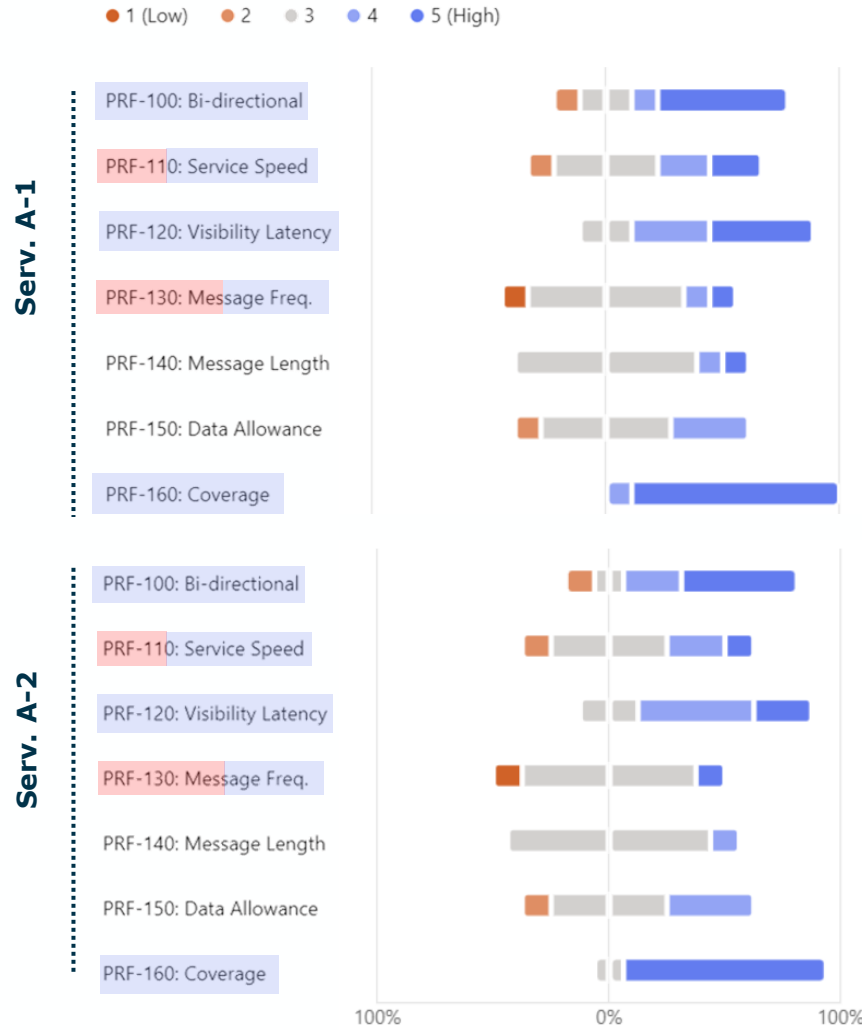
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USER Survey Results – Serv. A Performance & Requirements

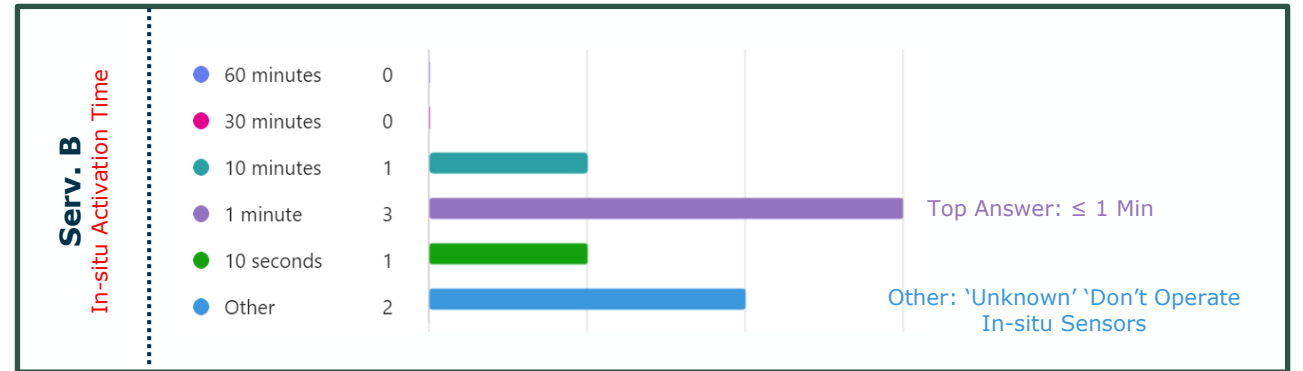
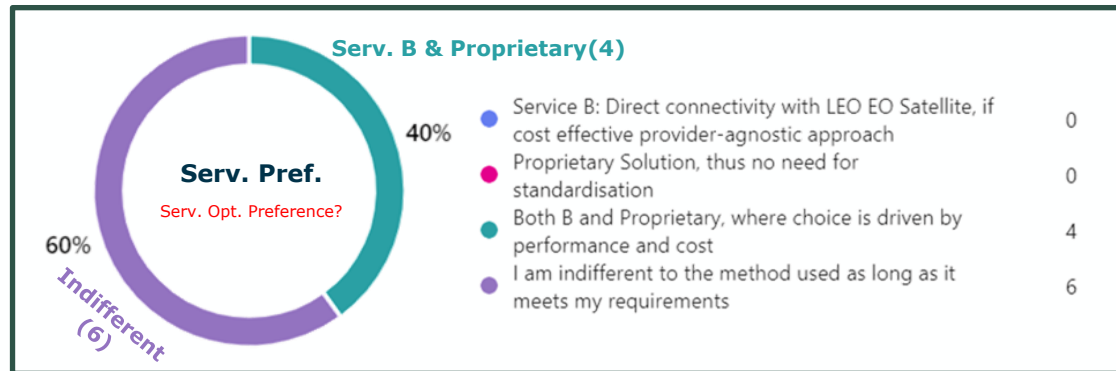
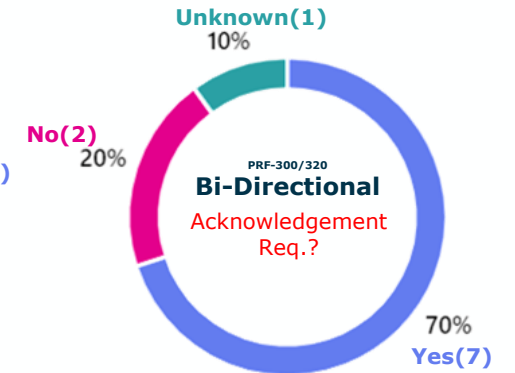
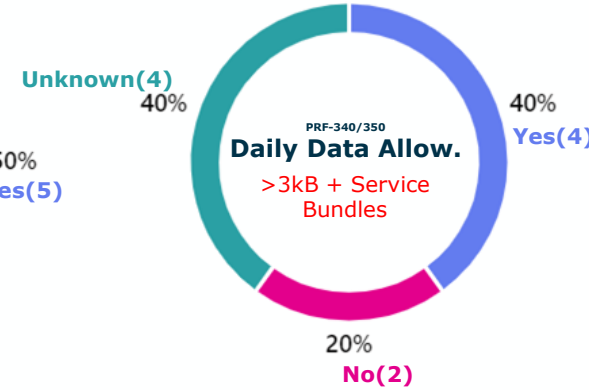
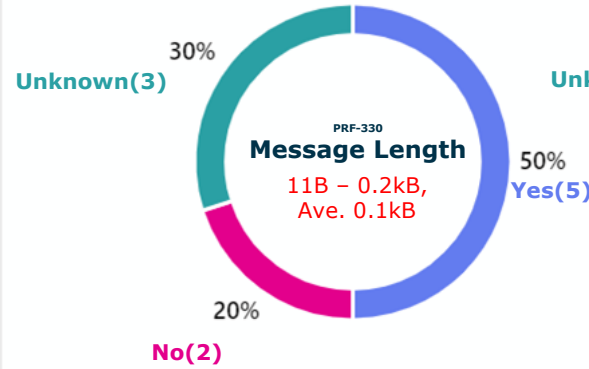
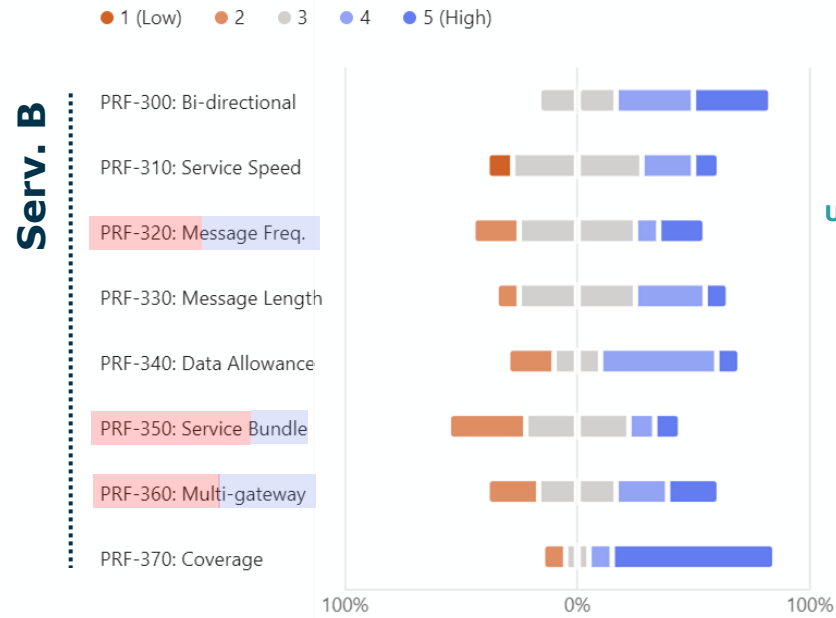
→ Rating of Importance

Need refinement – we were asking 1 or 2 Orders of Magnitude to be answered with Yes /No



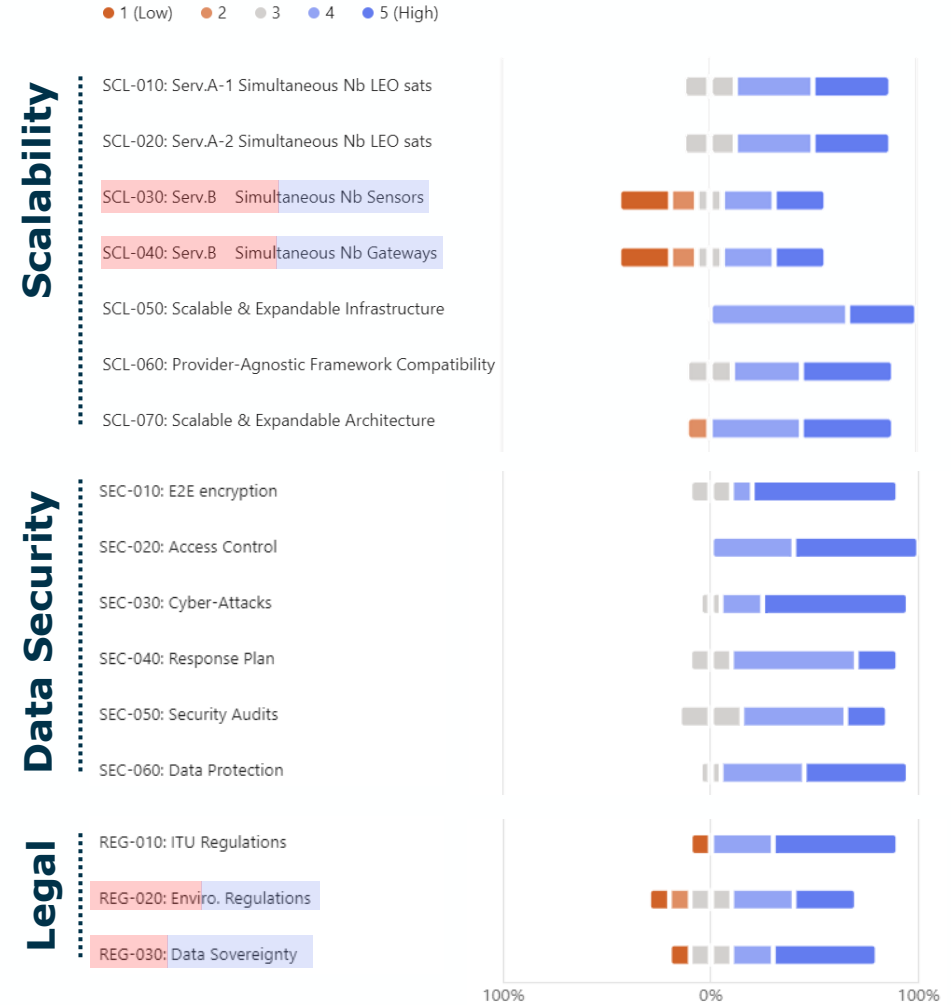
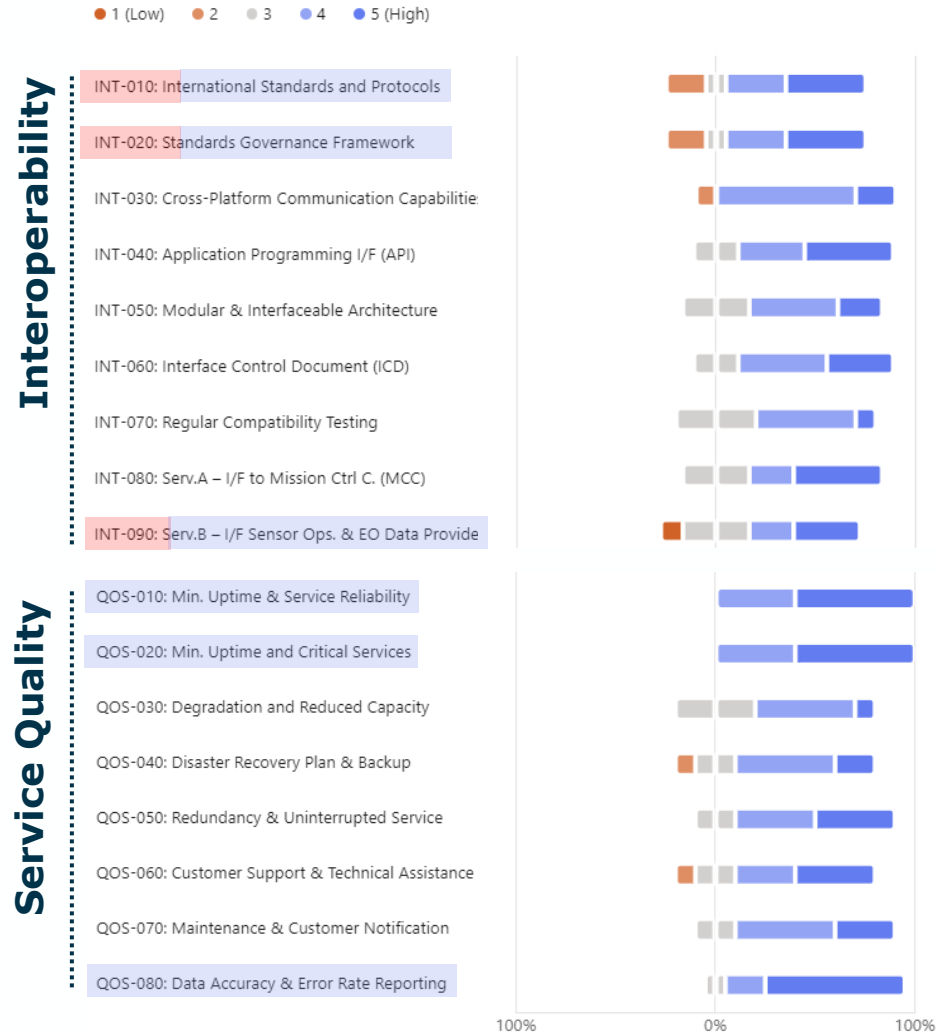
USER Survey Results – Serv. B Performance & Requirements

→ Rating of Importance



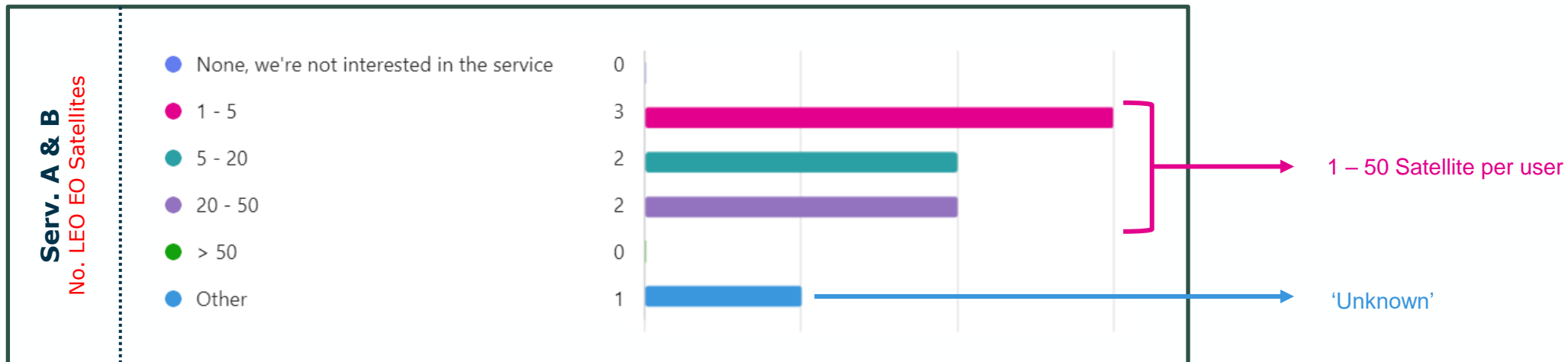
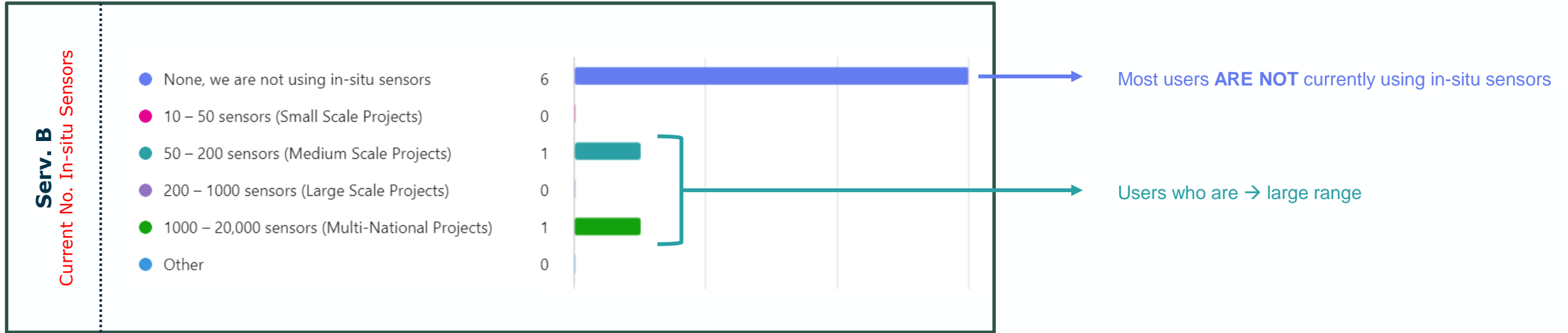
USER Survey Results – Service Requirements

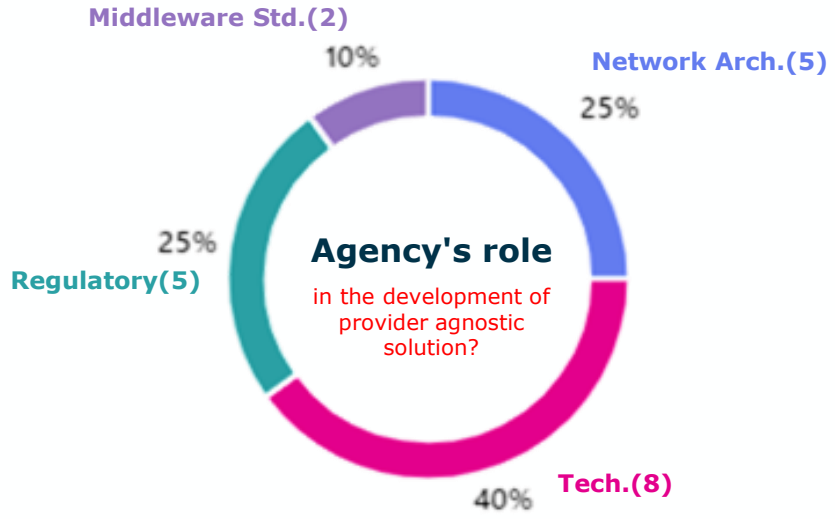
→ **Rating of Importance:** Interoperability, Service Quality, Scalability, Data Security, Legal & Regulation



USER Survey Results – Scalability

How many sensors do you currently use, or would you use for a specific project or use case?





User Demographics

- Demographics → Many multiple selections (Bias?)
- General Knowledge → Basic to Moderate
- Impact → Moderate to High
- Current use → Roughly even split
- Current satisfaction → Neutral to Satisfied

User Interest

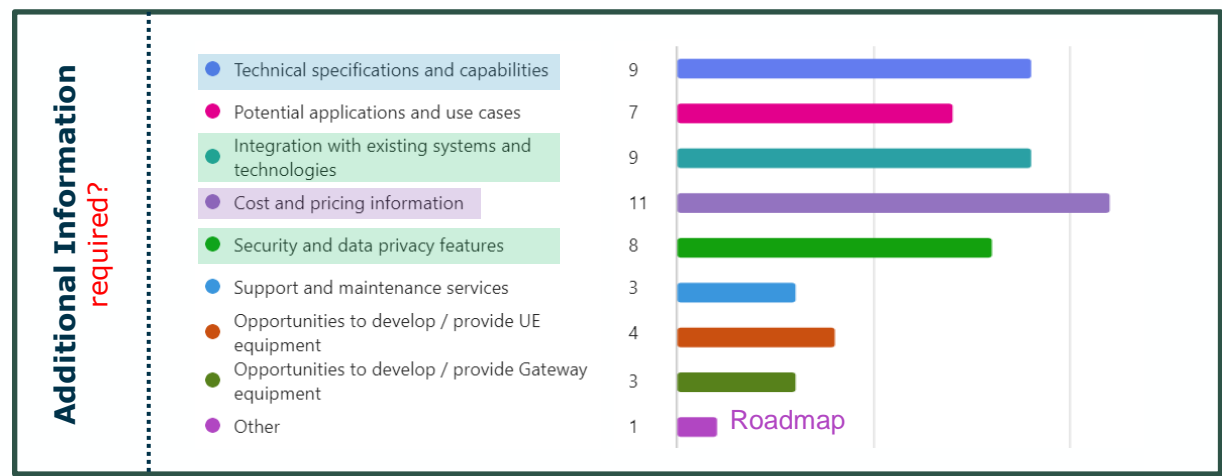
- TT&C → Highest added-value (demo. bias?)
- Data Allowance → Low Score (not important?)

Needs, Usage & Scale

- In-situ sensors → Most **ARE NOT** using
- No. LEO Sats → Most 1 – 50 Satellite per user
- TT&C Types → Telemetry, Commands, Dynamic Tasking
- In-situ Types → Environ, Metadata, Alerts / Notifications

Serv. Performance

- Majority 'yes' → Users feel represented
- Many 'Unknowns' → How do we reduce this uncertainty?
- Serv. Pref → Majority of users are indifferent



IoT4EO Workshop #2

Open Floor (Questions)

Feedback on services from users

15 - 20 mins