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Mentimeter

Federated AuthN/Z Open Discussion



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Earth Observation Satellites

F. Marchesi, Solenix/ESA
Agenda Item 4.10
WGISS-61
16-20 March 2026
Dehradun, India

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Challenges and Strategic Solutions

Share informations and define potential CEOS joint objectives

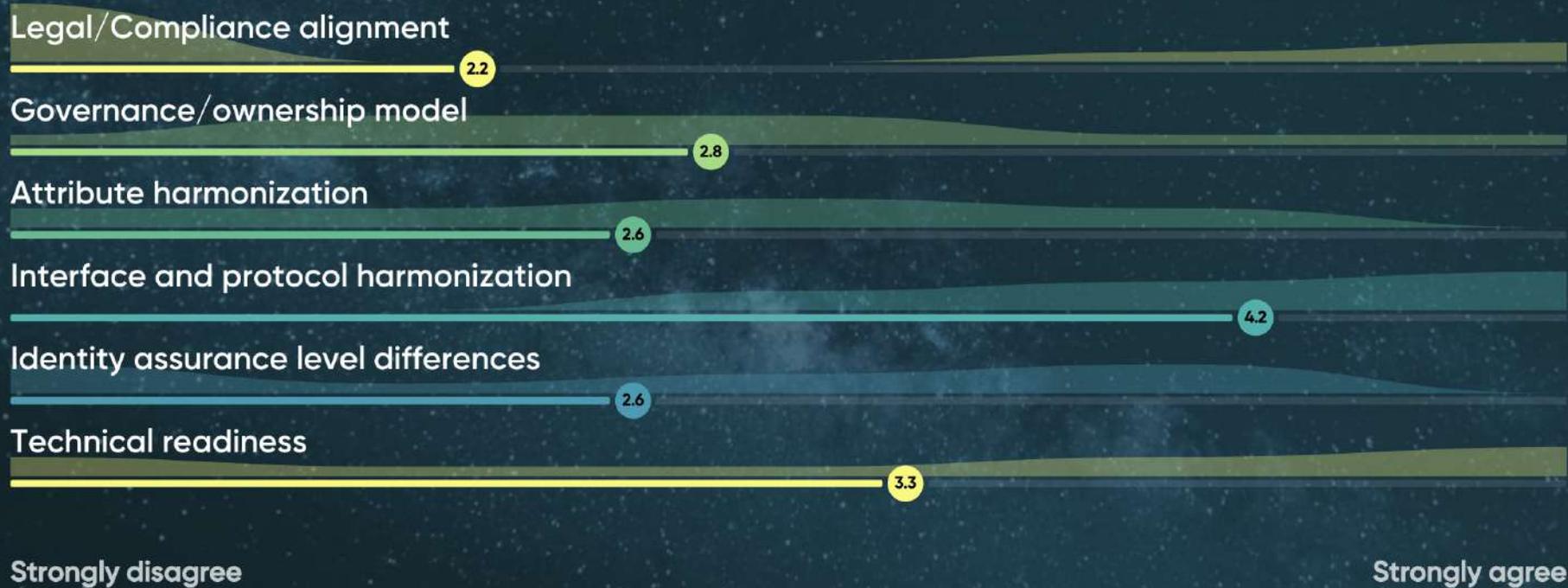


Discussion objectives:

Chapter 5 - Challenges & Strategic Solutions

1. Technical Complexities and Interoperability
2. Authorization Management and Governance
3. Policy, Legal and Compliance Considerations
4. Transformative Benefits for CEOS/EO Ecosystem
5. CEOS possible implementation

Among the known barriers on Fed AuthN/Z, which one requires CEOS intervention?



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Follow-up: Among the known barriers, which one requires CEOS intervention?

Standardization on protocols.

figure out or categorize the barriers to realize the federations.

Technical support Policy guidelines

How to deal with commercial sector

Test best

Analysis of options available, and recommendations on which and when to use



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5.1 Technical Complexities and Interoperability

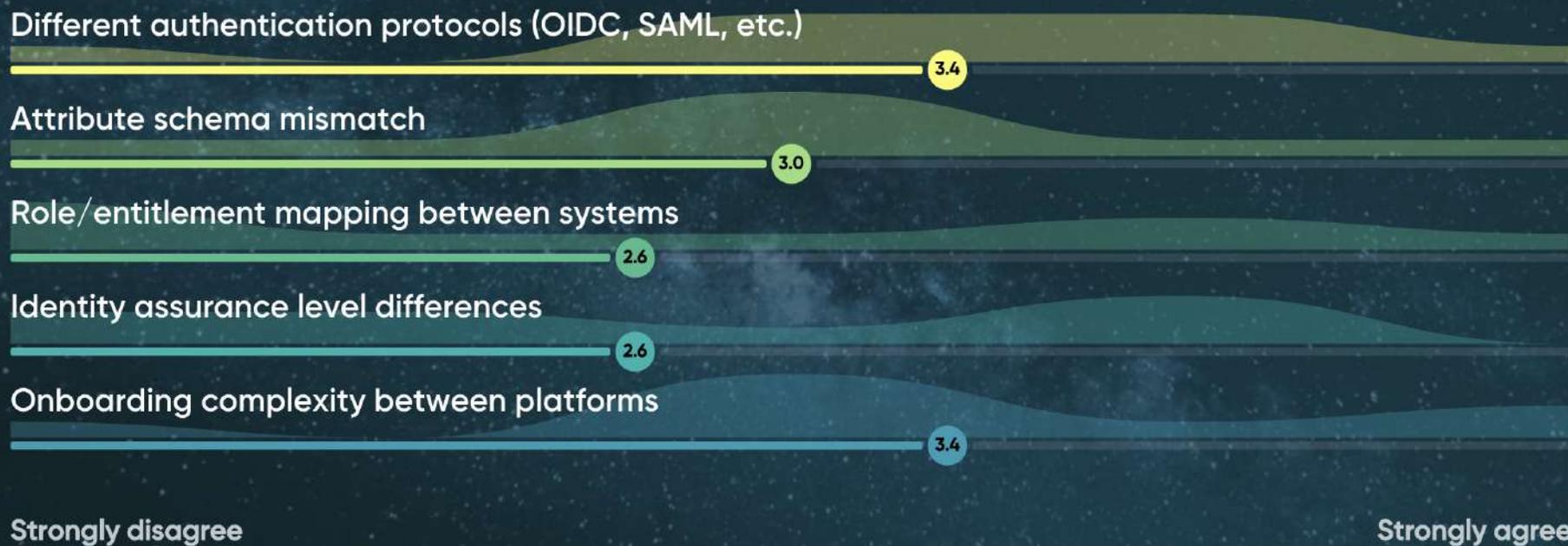
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Technical Complexities and Interoperability

What is currently the biggest technical obstacle to interoperable federated access between CEOS agencies?



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Follow-up: What is currently the biggest technical obstacle to interoperable federated access between CEOS agencies?

Different data policy

Not technical but Trust may be an obstacle



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5.2 Authorization Management & Governance

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What is the most probable AuthZ Attribute management you foresee?



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5.3 Policy, Legal and Compliance Considerations

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Policy, Legal and Compliance Considerations

What policy or legal barrier most complicates federated identity across agencies?



- 1 GDPR / Privacy compliance
- 0 Identity assurance liability
- 2 Data access policy difference
- 0 Cross-border trust agreements
- 5 Institutional identity policies

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Follow-up: What policy or legal barrier most complicates federated identity across agencies?

Probably varies per country/agency
i.e. local rules



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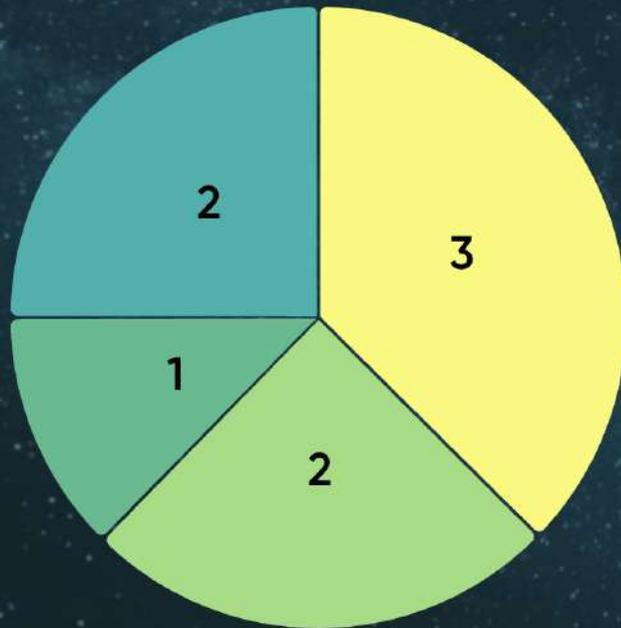


5.4 Transformative Benefits for the CEOS/EO Ecosystem



Transformative Benefits for the CEOS / EO Ecosystem

What is the most valuable outcome CEOS could achieve through interoperable federated identity?



- 3 Cross-agency workflows
- 2 Simplified user experience
- 1 Reduced data duplication
- 2 Increase research collaboration

Follow-up: What is the most valuable outcome CEOS could achieve through interoperable federated identity?

Simplified access for users

Cross data analysis

Interoperability

I think what's achieved already is pretty amazing!

Best usage of resources/data

Data distribution might be simple.

Collaboration

Sharing outcome

Interoperability and new user engagement

Democratization of data

interoperable federated identity!

This could be a starting point for more collaboration and data utilization

Press **SPACE** to show groups

Follow-up: What is the most valuable outcome CEOS could achieve through interoperable federated identity?

✦ 5 groups found



Data Sharing

7 responses

"Interoperability", "Democratization of data", ...



Collaboration

2 responses

"Collaboration", "I think what's achieved alre...



User Access

1 response

"Simplified access for users"



Resource Optimization

1 response

"Best usage of resources/data"



New responses

✦ Press **SPACE** to hide groups

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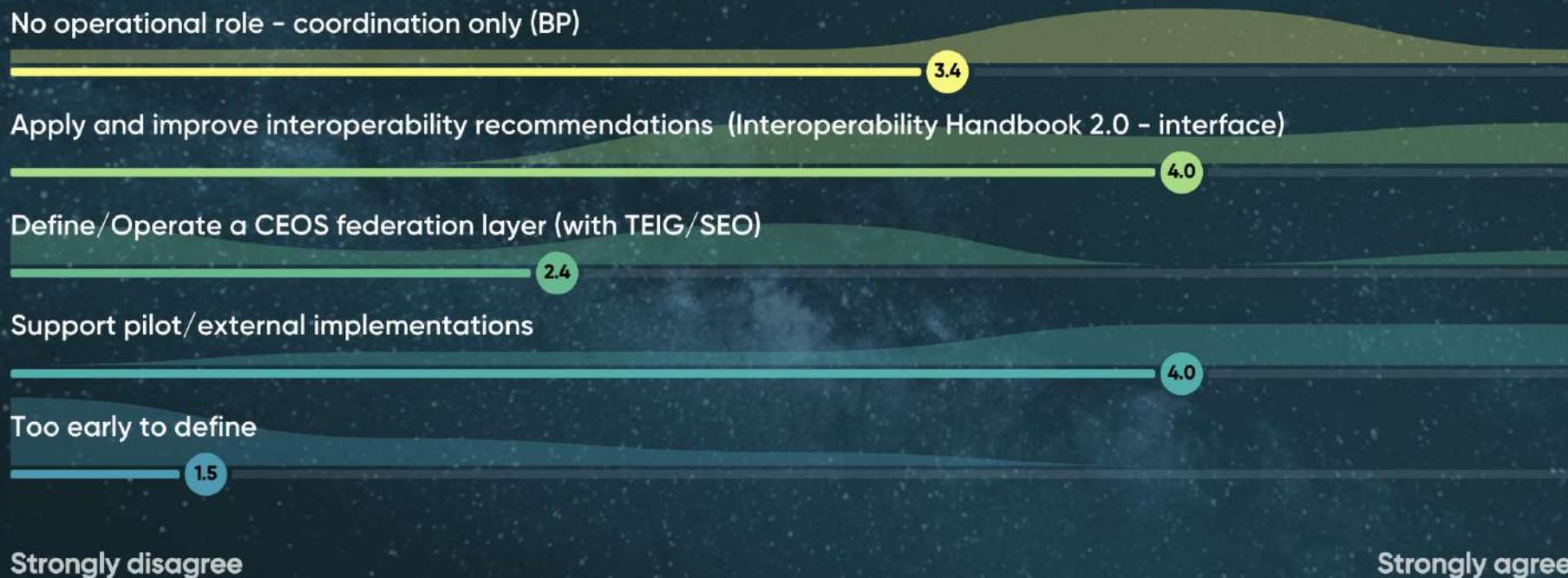
Conclusions: Way Forward

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What type of action should CEOS realistically pursue following this White Paper?



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Any questions?

No questions from the audience!

Incoming questions will show up here so that you can answer them one by one.

Navigation bar containing: a back arrow, a lightbulb icon, a button labeled "End presentation", a row of 18 small national flags, a speaker icon, a user profile icon with a "18" notification bubble, and the text "THE EUROPEAN SPACE AGENCY" on the right.