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AI and Open Source vs. 6G Standardisation and Regulation: Can There Be Chaos in Order?

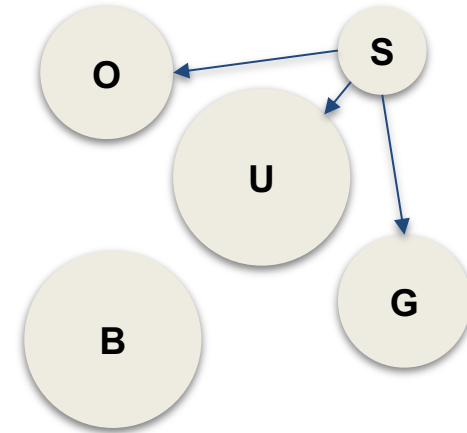
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Disclaimer: I am, by no means, an expert in 6G or standardization!

1. Conventional Standardization for 6G?

- What are the incentives?
 - From the perspective of companies?
 - From the perspective of governments?
 - From the perspective of end-users?
- What is the system dynamic?
 - Big players (B) in wireless?
 - Smaller players (S) in wireless?
 - Other companies (O) using wireless?
 - End-Users (U) using wireless?
 - Governments (G)?



**What kind of game is this?
Is there a Nash equilibrium?**

2. Role of AI in Wireless Standards?

- Probably anything that can be optimized, can be learned, and has some kind of pattern, will be optimized by AI:
 - For spectrum allocation and sharing
 - For achieving high data throughput
 - For reducing latency for real-time applications
 - For supporting massive connectivity
 - For maintaining high-quality user experiences
 - For efficient handover & seamless connectivity
 - For improving energy-efficiency & sustainability
- Or for less obvious use-cases, e.g., for automatic protocol design for wireless communication.

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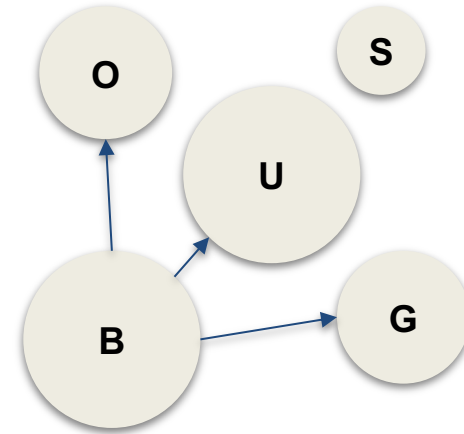
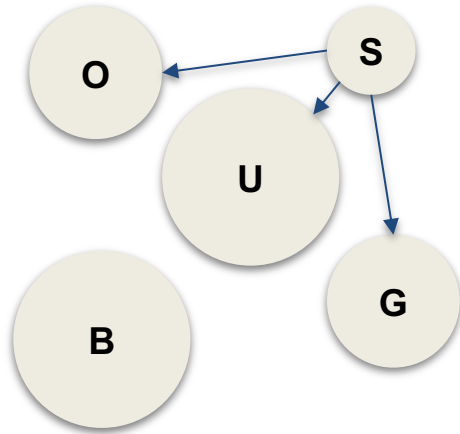
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3. Open Source: Opportunity or Threat for our Industry?



Could open source be an opportunity for our bigger players?

4. Benefit of Open Source & AI in Wireless for End-Users?

- Well perhaps, at least short term!
- The darkside of AI...

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Would we gain more than we lose with AI?

Looking Forward to Listening to the Discussion!

A wide-angle photograph of the main building of Lund University, a grand white neoclassical structure with a central portico and statues on the roof. In the foreground, a large, ornate fountain with a central tiered basin and water spraying upwards is surrounded by a circular garden bed with colorful flowers. The scene is set on a bright, sunny day with a clear blue sky and scattered white clouds. Lush green trees frame the building on both sides.

Thank you!