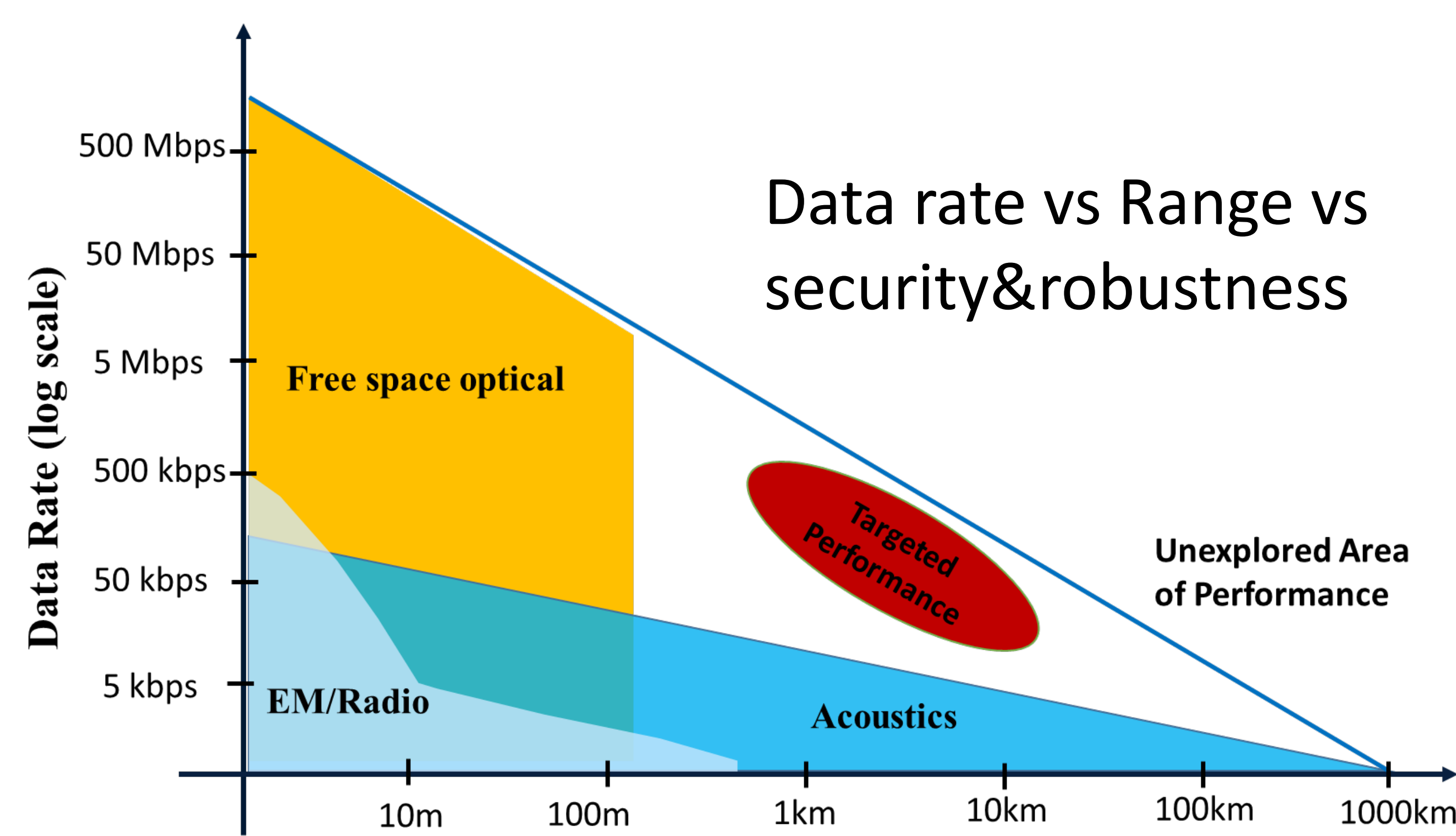


DEUS: Distributed, Efficient, Ubiquitous and Secure Data Delivery Using Autonomous Underwater Vehicles

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Challenge:

- Underwater wireless comm – a huge bottleneck for data delivery from ocean sensing platforms to the internet

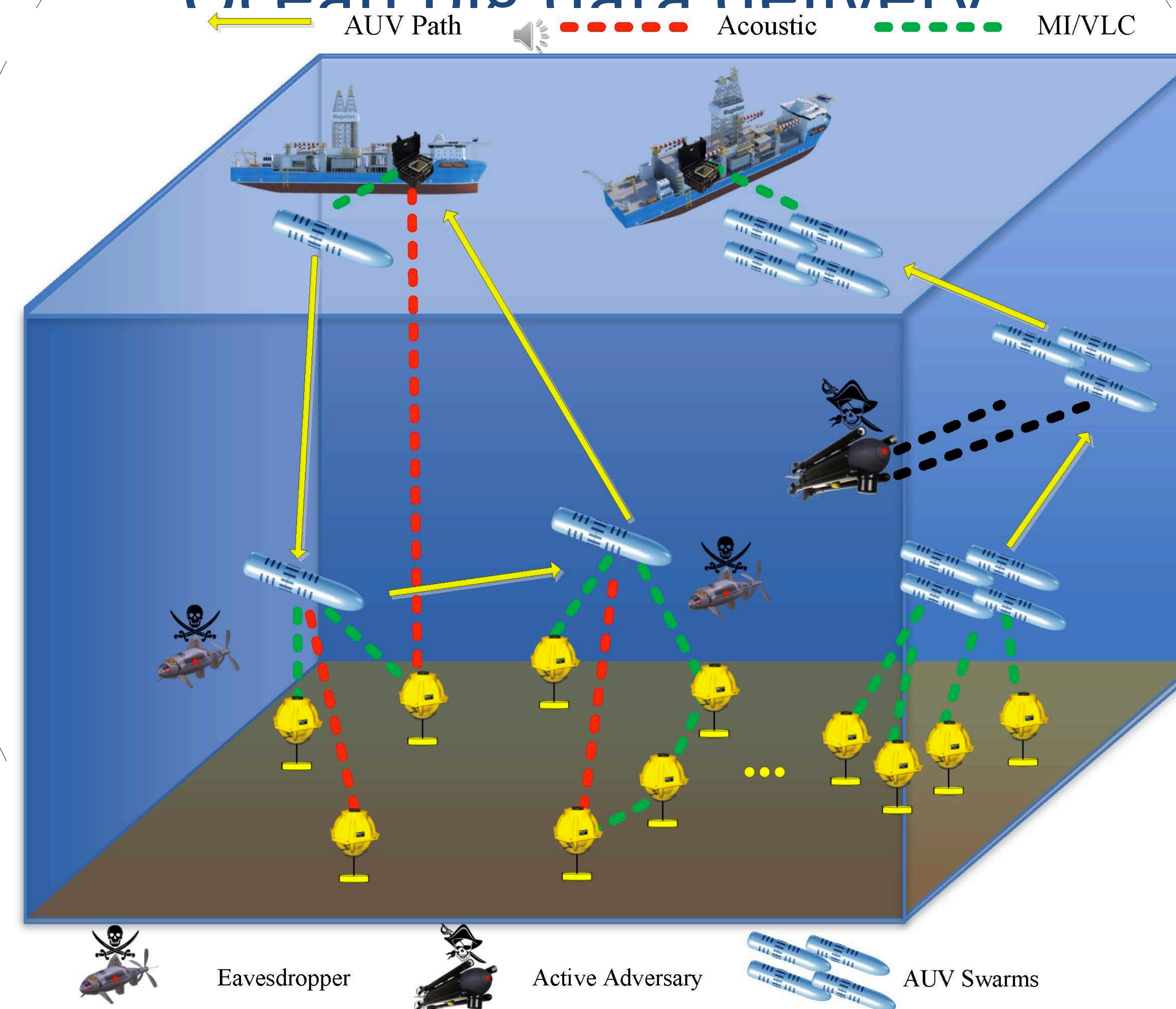


Solution:

- Short-range wireless comm
- + Autonomous underwater vehicles
- Secure Comm & Networks

CNS-1853257, Co-PIs: Drs. Miao Pan, Aaron T. Becker, Jiefu Chen, and Zhu Han of the University of Houston

Underwater sensing Ocean big data delivery



Data rate, communication range, security

Scientific Impact:

- Underwater Wireless Comm
- AUV control and communication
- Secure data delivery

Broader Impact:

- Customers: Ocean big data
→ Blue economy
- Education and Outreach:
 - Course development and student training
 - Minority student recruitment & retention

