

UW group's brainstorming:

Proposals for field experiments using the DESERT Underwater libraries

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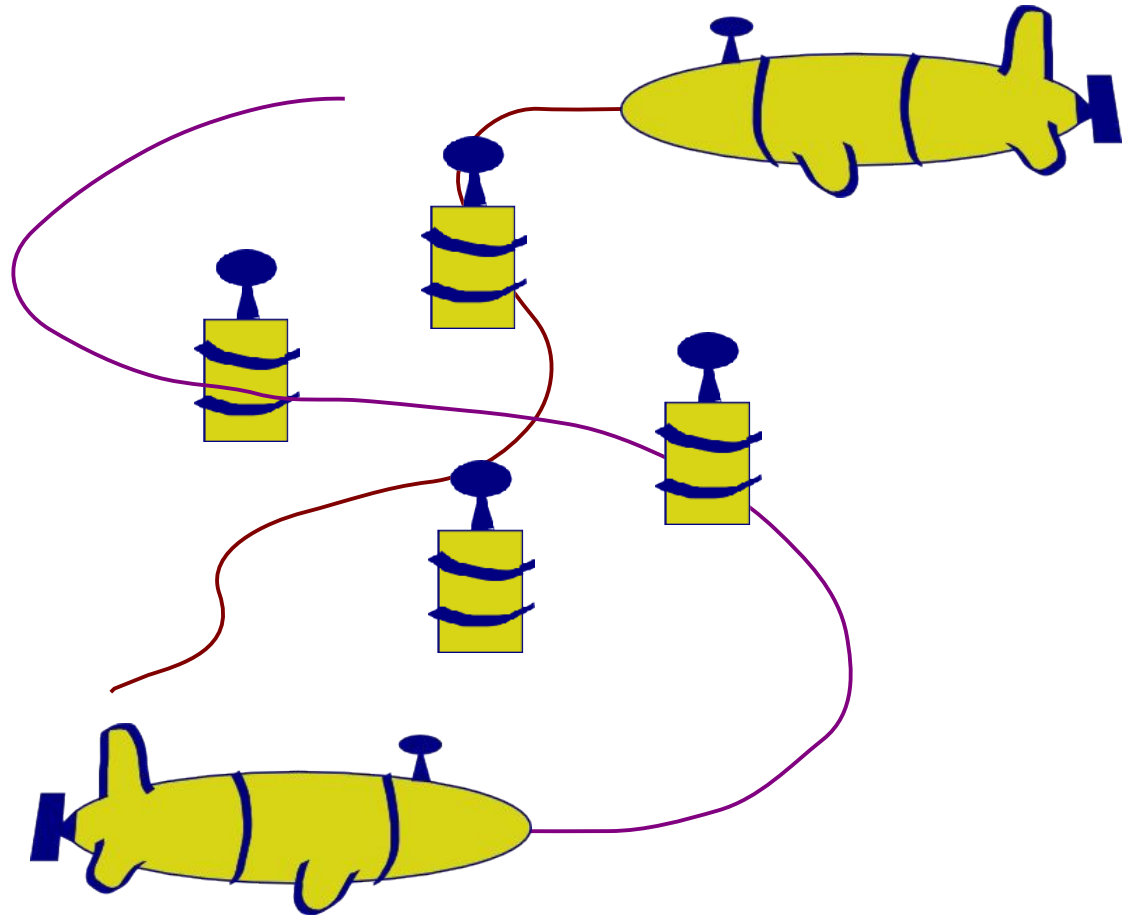
1st proposal

Mission scheduler:

- Hybrid network
- New APP layer
- Basic payload (e.g.,
mission: 1,2,3
command: DO/ABORT)

Application oriented:

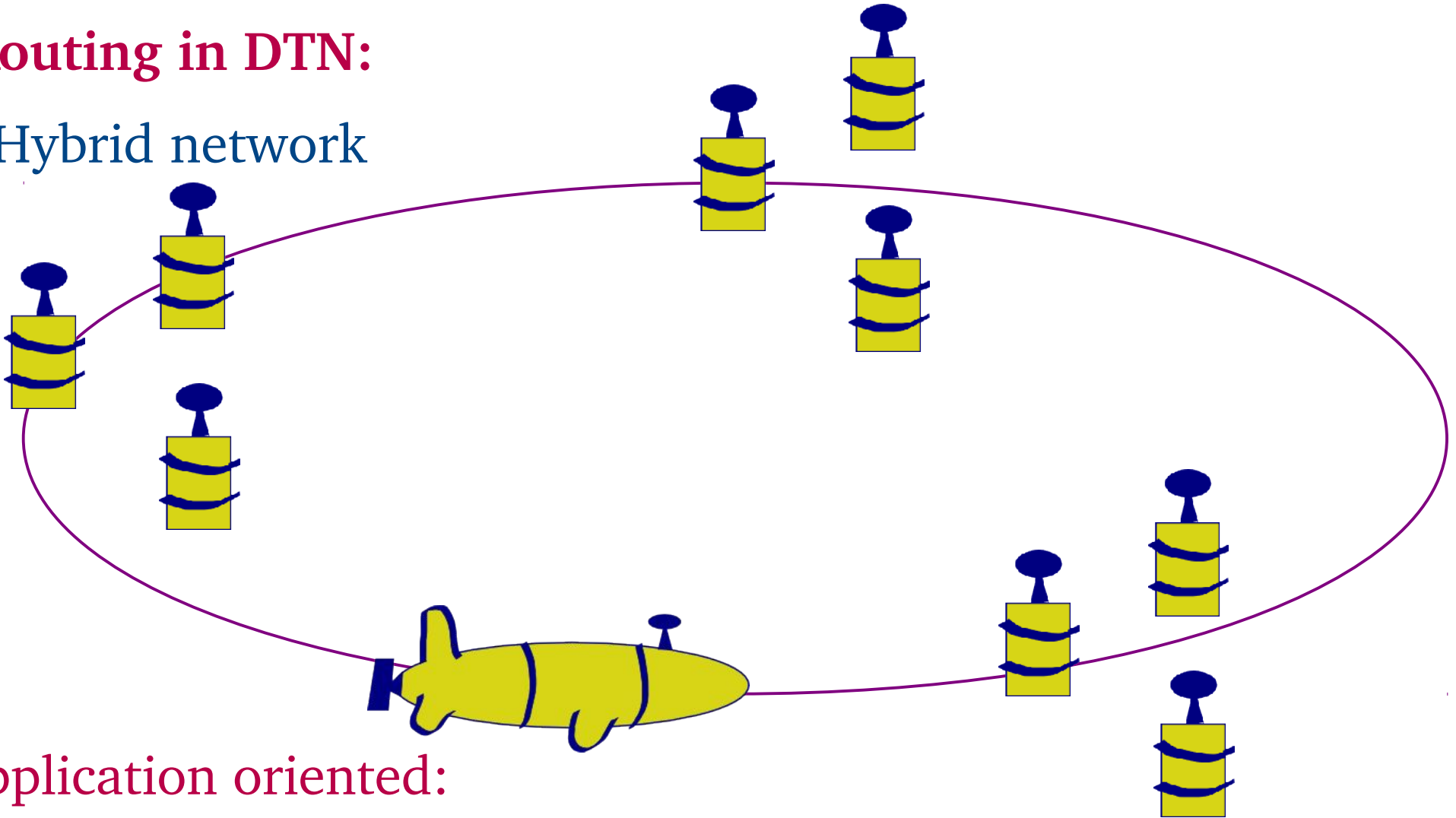
- Fixed nodes schedule
and/or command missions
- AUVs send heartbeat-like
pkts to notify their IDs, the
current mission and its status



2nd proposal

Routing in DTN:

- Hybrid network



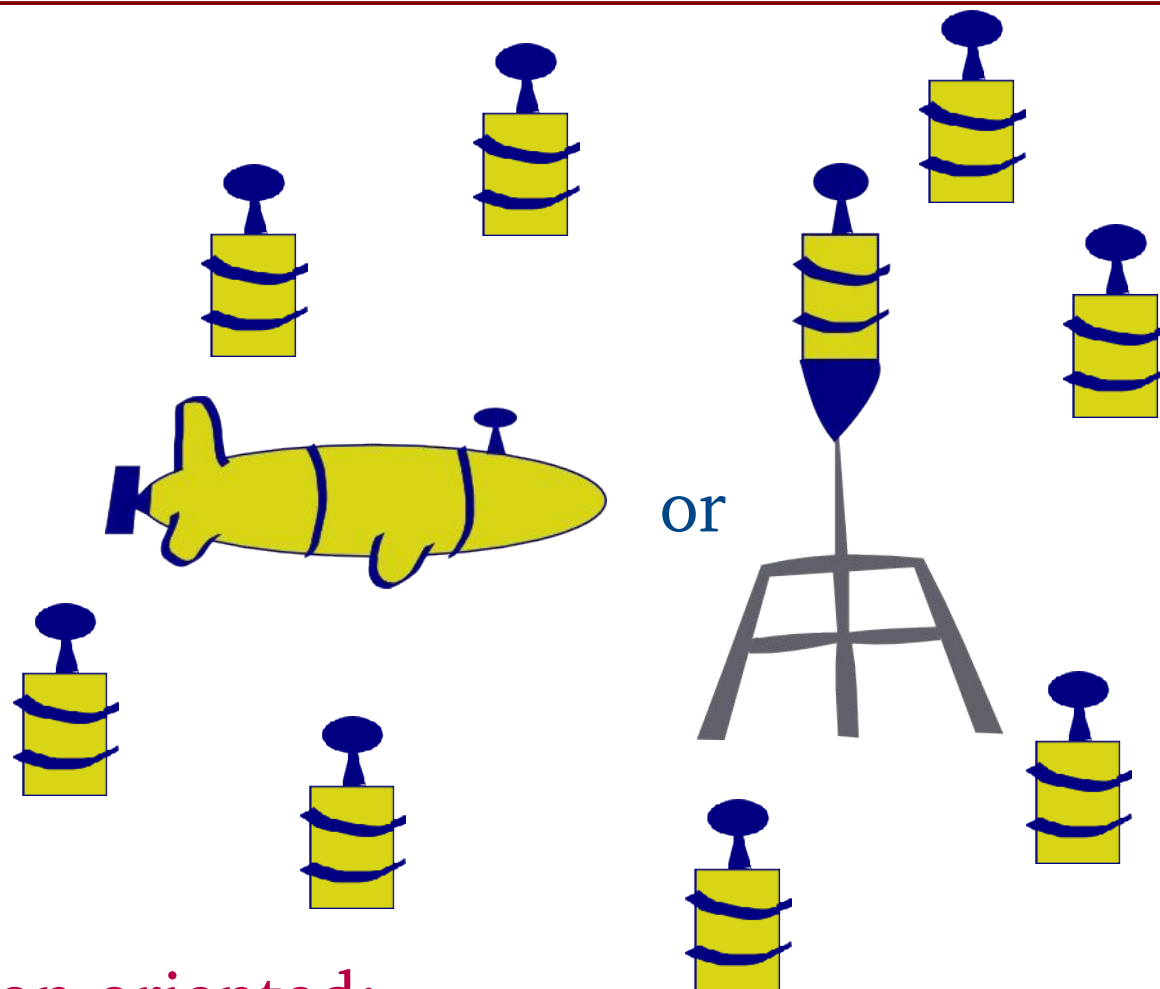
Application oriented:

- Islands of sensor nodes connected by a mobile device (AUV)

3th proposal

Cross-layer competition:

- Hybrid or Fixed network
- Collection of data from sensors using both AUV polling and SUN



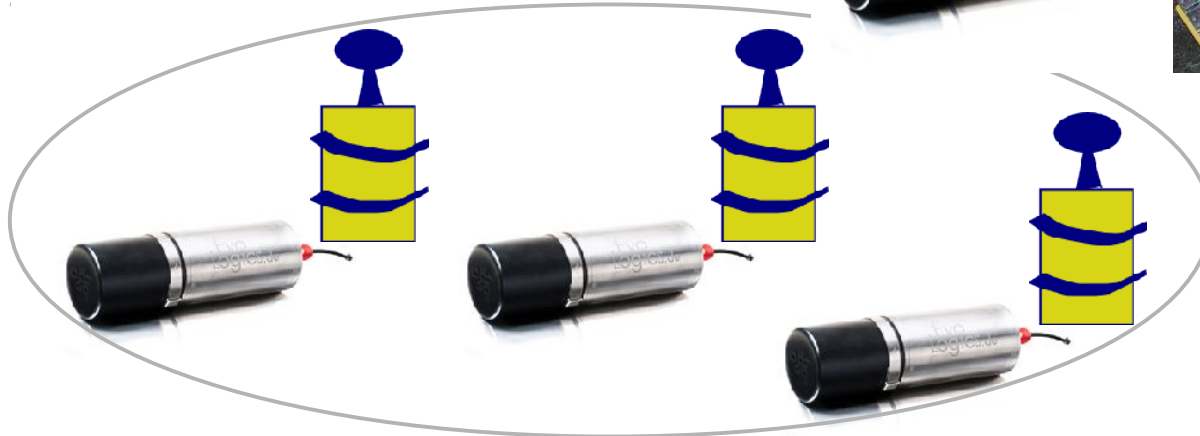
Protocol analysis/comparison oriented:

- All sensor nodes have a pkts to be sent to the sink
- AUV polling vs SUN

4th proposal

Heterogeneous network:

- Fixed network
- Need to create a gateway and handle a double PHY layer (as in T-Lohi?)



Application oriented:

- Cluster of WHOI MMs communicating to a cluster of EvoLogics modems

