

Panel 3 – 6G Resilience: The Foundation of Future Connectivity

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Resilience Aspects

Threats

- Technology failures by malfunction
- Technology failures by design – AI...
- Active attacks on infrastructure
- Cyberattacks
- Active attacks on enabling infrastructure
- Active attacks on human resources
- Natural disasters
- ...

Level of resilience

- Service
- Networks of networks
- Network
- Site
- Network equipment
- Suppliers
- Infrastructure
- Operators
- ...

Dual use:

- Reuse standards
- Reuse design/IPR
- Reuse HW/SW components
- Reuse equipment
- Reuse sites
- Reuse spectrum
- Reuse networks
- Full or complementary reuse
- ...

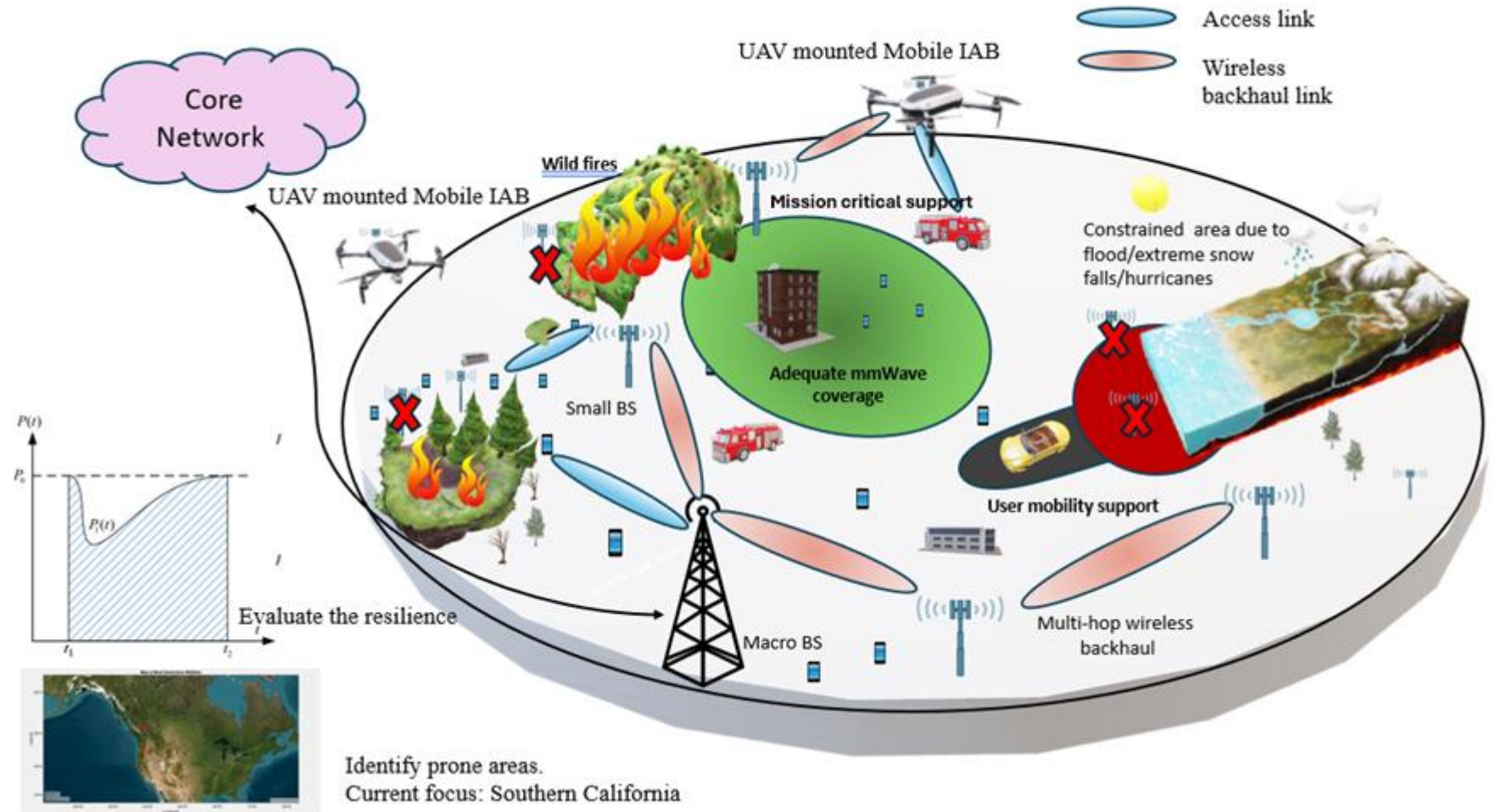
Resilience – Situational Awareness

Enablers:

- Situational awareness
- Multi-modal sensing
- Dynamic network elements
- Network of Networks

Trade-offs:

- Energy and resource efficiency
- Cost
- ...



Source: Charitha Madapatha, Chalmers