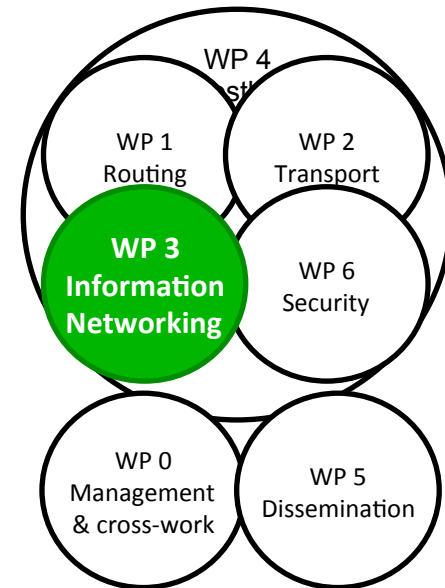
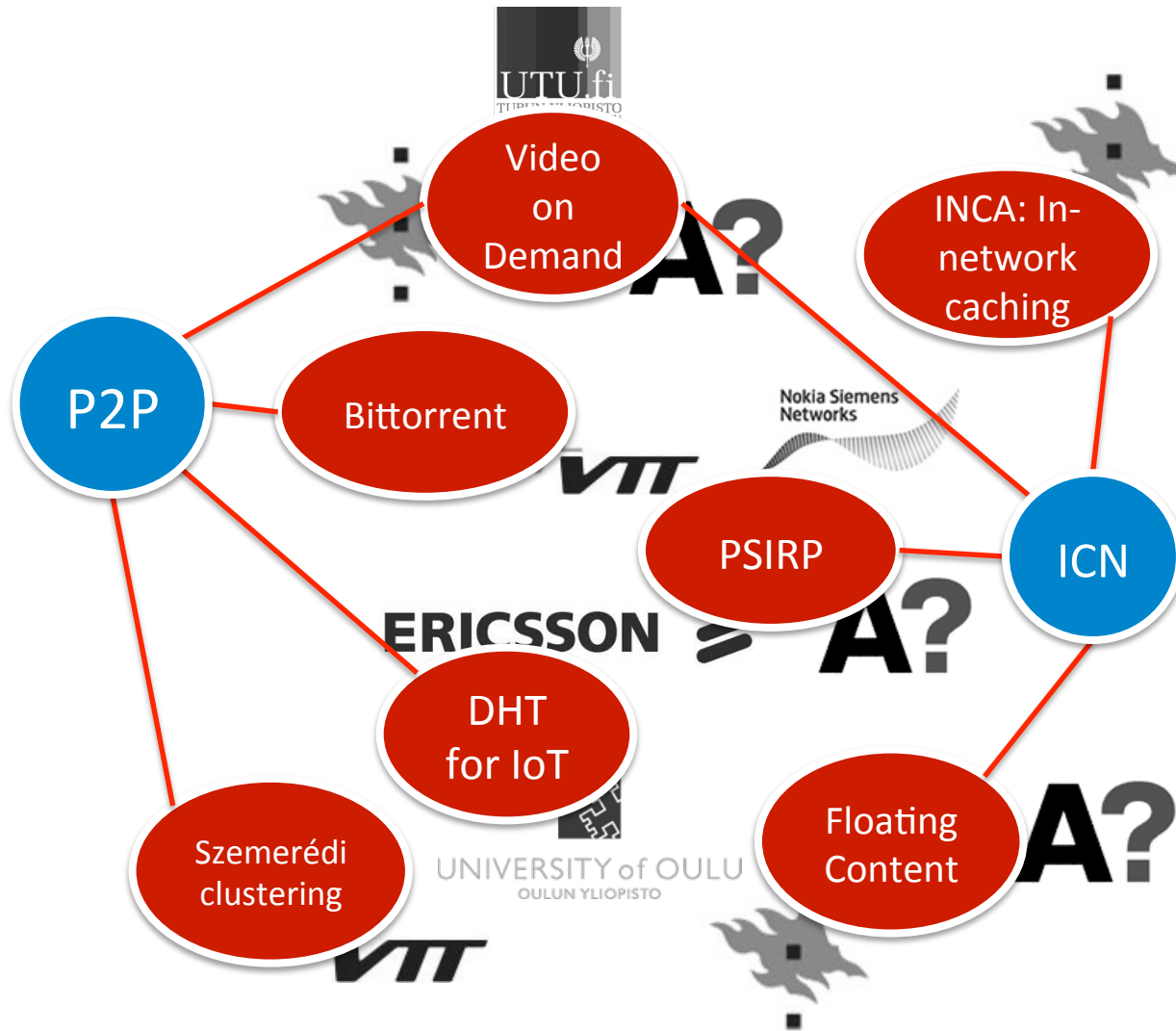




**Future Internet WP3:  
Revisiting Information Networks**

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# General Areas



## Three Revolutions

- First revolution: **Connecting wires**
  - Telephone network
- Second revolution: **Connecting hosts**
  - Original Internet
- Third revolution: **Connecting information**
  - Information-centric networking, a.k.a. information networking, a.k.a. data-oriented networking, ...
  - Not just end-to-end data delivery anymore.

## Information Networking Vision

- Global information dissemination architecture

Content providers:

- Commercial
- Users
- Other

Content consumers:

- Humans
- Machines

**Remember:**  
Beneficial for both  
content providers  
AND users

## Initial Key Challenges

- Storage:
  - How should information be represented?
- Dissemination:
  - How should content move around the network?
- Access:
  - How do users express what they want?

## WP3 Highlights



- Inter-domain economics and scalability
- P2P Video-on-Demand
- BitTorrent streaming
- P2PSIP and DHTs
- P2P for M2M
- Floating content
- PSIRP
- Prototypes for information-centric networking

## Results Summary

- Publications Accepted 43
- PhD Thesis 4
- MSc Thesis 11
- BSc Thesis 1
- Conferences/Workshops 37
- Standardization (IETF), posters and lectures.
- Prototypes.
- Influence (PSIRP/PURSUIT, IoT SHOK and MAMMOTH)



Thank you!

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