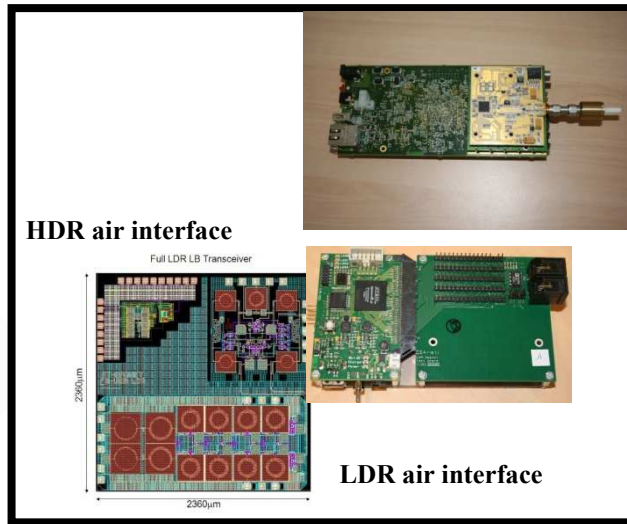


**MAGNET Beyond Towards
Next Generation
Communication Systems**

Personalised Services



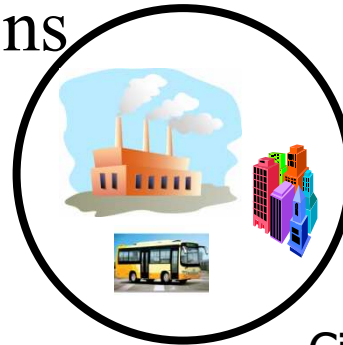
Emerging Technologies

Networks

Applications

Personalisation brought by MAGNET Beyond solutions as Enabler of Dynamic Global Communications

New and competitive services are delivered to new bigger markets beyond the boundaries of the existing communities, which will lead to new revenue streams and higher profit margins.



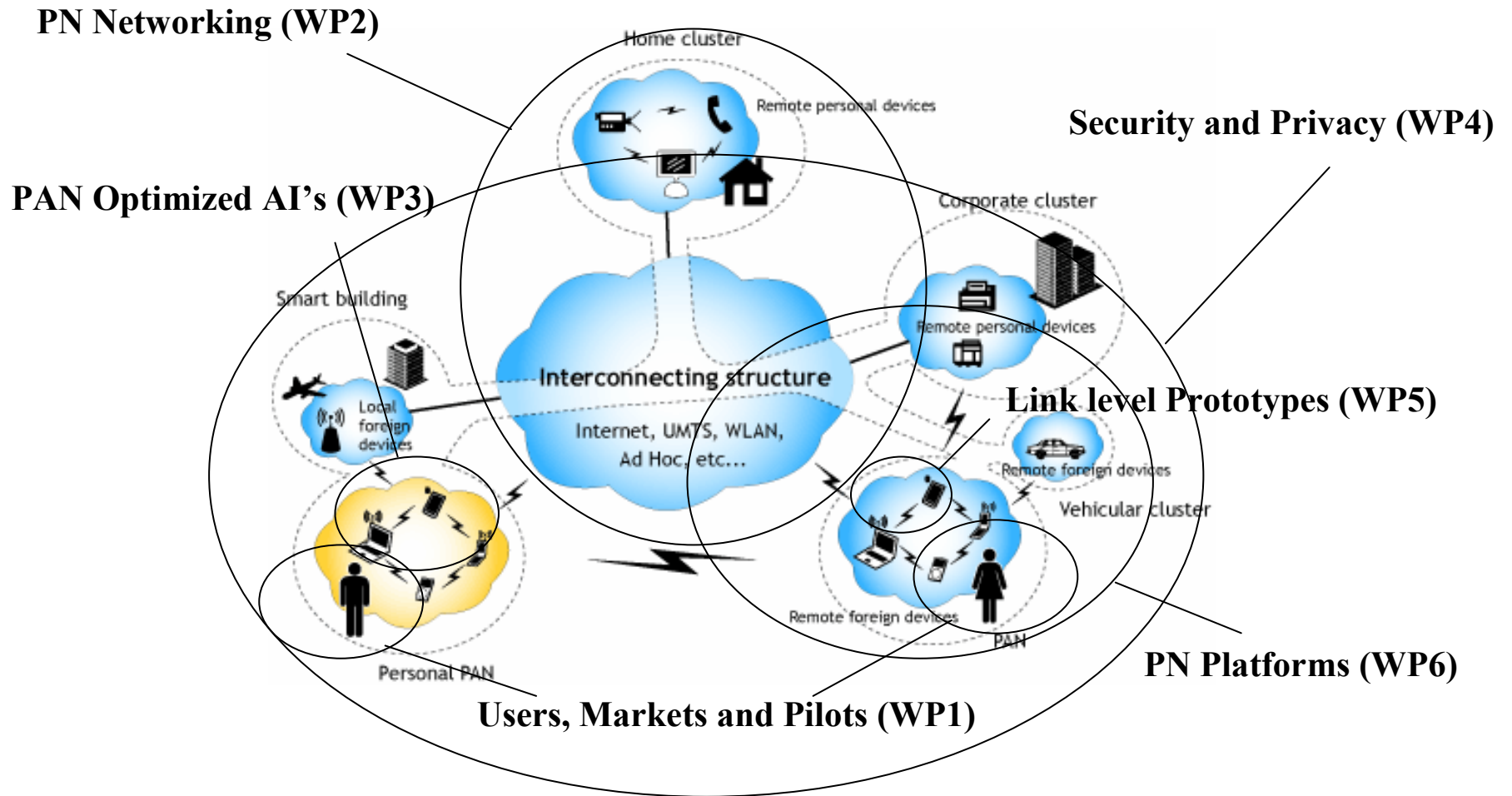
Cities

Countries

Continents

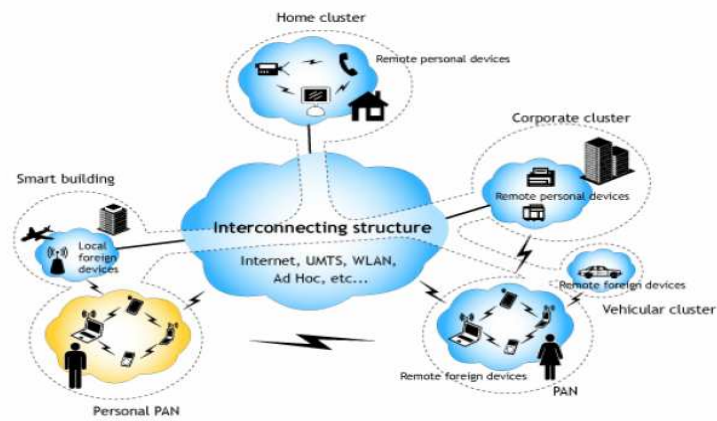
World

Project Structure and Interdependencies



MAGNET Book

My Personal Adaptive Global Net





Innovation & knowledge

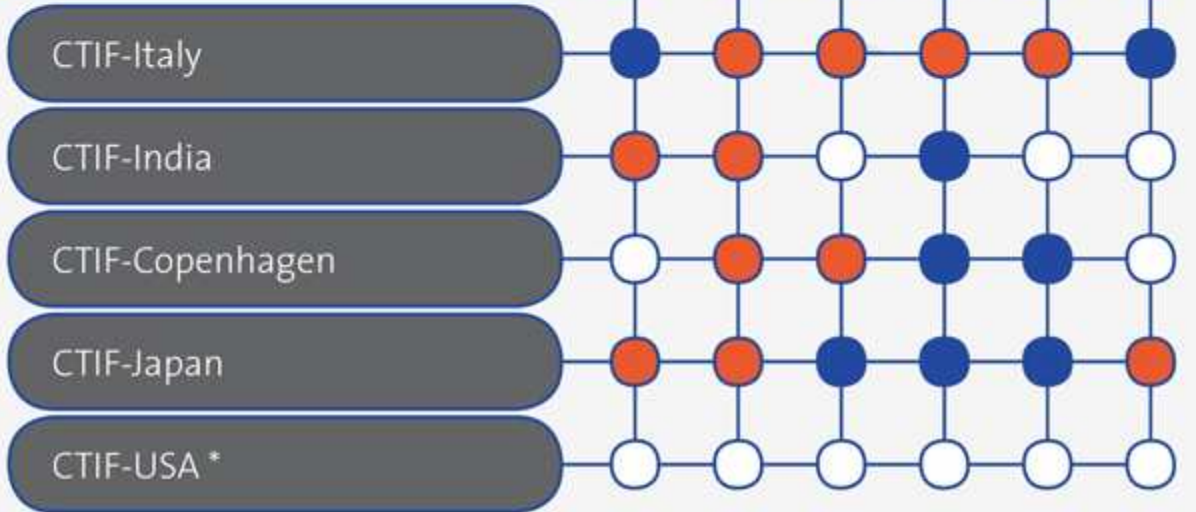
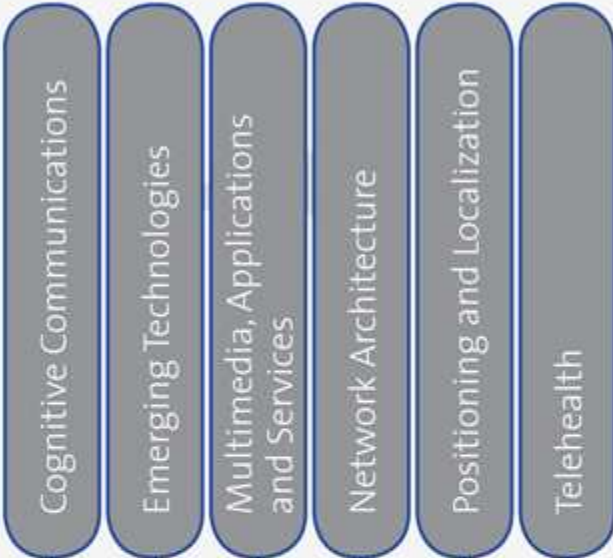


CTIF Aalborg Headquarter - Aalborg University

- [Aalborg University](#)
- [Management](#)
- [Contact](#)
- [Competencies](#)
- [Location](#)

CTIF Global Competencies

CTIF
Research,
Educational &
Innovative Programmes



The research focus of CTIF can be summarized in the 6 thematic areas listed below with a number of dynamic subheadings. Each thematic area involves researchers from different backgrounds and departments according to interests and needs.

<p>Cognitive Communications Coordinator Elisabeth de Carvalho & Hiroyuki Yomo</p> <ul style="list-style-type: none"> • Cognitive Radio • Cognitive Wireless Networks • Dynamic Spectrum Access Techniques • Software Defined Radio • Reconfigurability • Personal Computing • Human - Computer Interfaces (HCI) • Access techniques • Smart systems • ... 	<p>Emerging Technologies Coordinator Liljana Gavrilovska</p> <ul style="list-style-type: none"> • Personalisation • Mega communication (1 Tb/s) • Dynamic Adaptive Communication • Low Power Design and Energy Harvesting • Reconfigurable and Heterogeneous Architectures • ... 	<p>Multimedia, Applications and Services Coordinator Peter Lindgren</p> <ul style="list-style-type: none"> • Techno-social systems, e.g. digital identity • Socio-techno economic impact and regulatory framework • Standardization and interoperability • Item-level tagging/object naming systems • Multimedia home networking • ...
<p>Network Architecture Coordinator Neeli Rashmi Prasad</p> <ul style="list-style-type: none"> • Mesh networks, self-organizing cognitive networks • Network planning • Management & Governance • Security trust & Privacy • ... 	<p>Positioning and Localization Coordinator Per Høeg</p> <ul style="list-style-type: none"> • Navigation systems, GNSS receiver technology • Ubiquitous and cooperative localization, plug-in buildings/cities • Geo-tagging, navigation-ID systems, precision farming • Robotics • ... 	<p>Telehealth Coordinator Ole K. Hejlesen</p> <ul style="list-style-type: none"> • Bio Informatics • Multi sensor networks • Body sensors • Assisted living • Data protection and ethical guidelines • ...