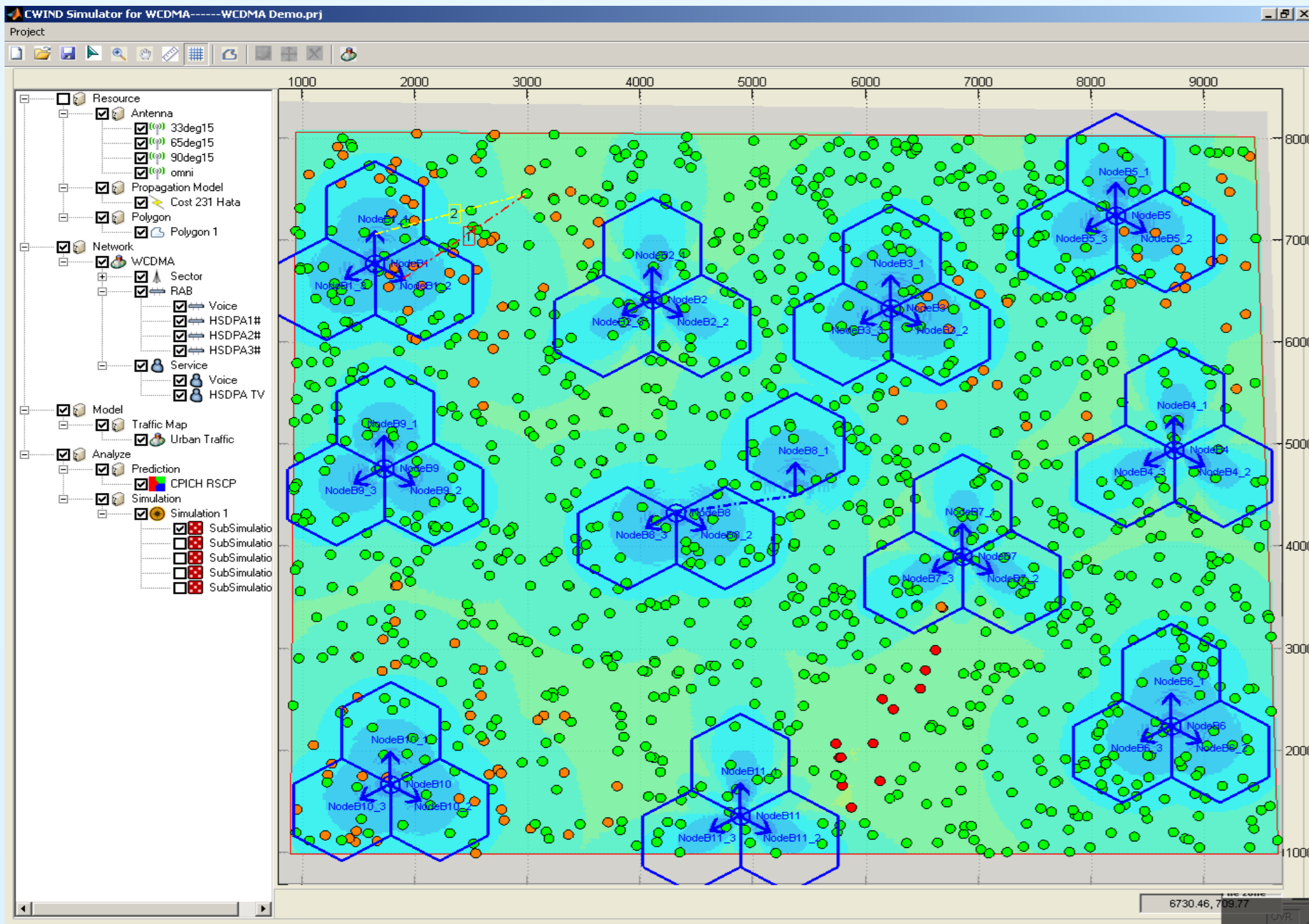


Research Interests

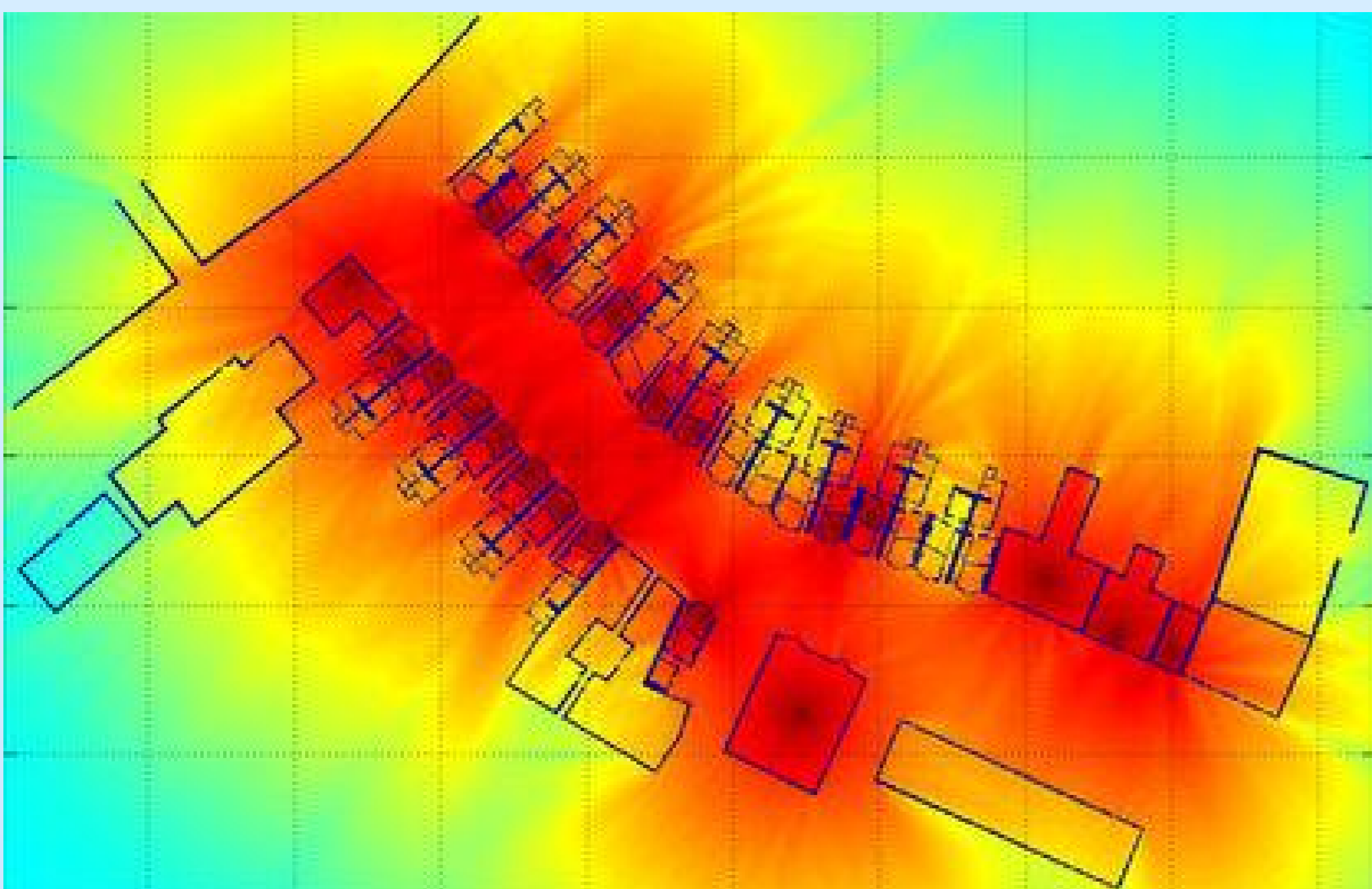
- Analysis of femtocells in macrocell networks and in-built self-organization algorithms.
- Network planning & optimisation for converged heterogeneous networks.
- Indoor deterministic propagation models.
- Application of radio and network measurements to network planning.
- Cross-layer cellular interference.



Heterogeneous networks simulator

Resources

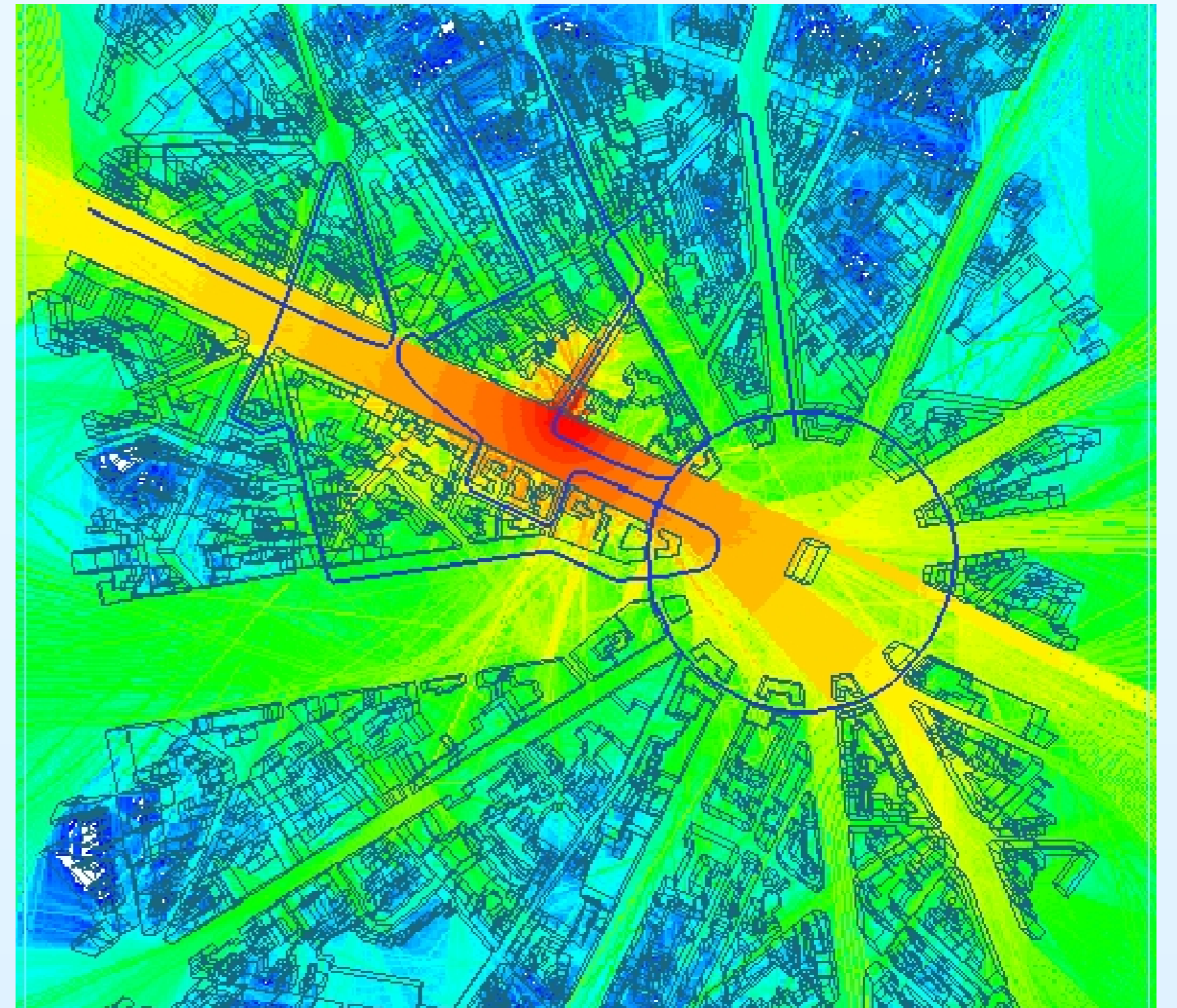
- 3 million euros of EPSRC and EU funding.
- Investigator of the first research project funded by EPSRC on Femtocells.
- 18 full time researchers on wireless networks planning and optimization.



Radio coverage of femtocells

Applications

- Automated planning tools for femtocells-aware WiMAX networks.
- 3G/4G network optimisation methods.
- Cost-effective network design by using a hybrid femto/macro approach.



Macrocell radio coverage prediction

Strengths

- Commercial propagation, planning and simulation tools.
- Development of Outdoor to Indoor and Indoor to Outdoor planning tools.
- Femto and Macro cell channel measurements.
- Strong expertise in operations research and network optimization.
- Our Book: "Femtocells: Technologies and Deployment", to be published by Wiley, end 2009.

Contact

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