

Welcome to MULTI-BASE

MULTI-BASE Scalable Multi-tasking Baseband for Mobile Communications In order to strengthen Europe's leading position in high-speed, end-to-end, mobile network systems technology, the MULTI-BASE consortium has identified three main areas where research will have a major impact on the advancement of state-of-the-art technology and the emergence of a sound competitive and innovative environment for the European communications and services industry:

- multi-tasking radio
 - scalable and reconfigurable multi processor technology
 - algorithm/architecture co-design for maximum energy efficiency.
- The MULTI-BASE project objectives target the elimination of key technical and commercial barriers to ubiquitous broadband access by enabling efficient and sustainable disposition of operation and production factors as spectrum, power engineering cost and silicon process technology.

Drawing on project research in these three areas, the MULTI-BASE consortium will demonstrate new handset baseband architectures that enable end-to-end interconnection of humans and devices, with ability to support tenfold scaling in the number of interoperating connectivity links at the same cost and power consumption as today's technology. About MULTI-BASE MULTI-BASE is a Framework Programme 7 project funded by the European Commission. The project was launched in January 2008 and is going to run for three years. The consortium consists of three universities and four contributors from industries.