

- (Gbps) throughput: innovation on radio and optical front-ends, coding and other PHY/MAC improvements.
- Heterogeneous wireless Network (HetNet)

Wortecs project: Wireless terabyte communication with Virtual Reality use case...

investigations with new access technology architectures and protocols for routing, latency and caching.

Last but not least, the customer views will be taken into account through interviews, questionnaires and field tests. The purpose is to provide a Virtual Reality user-friendly interface with a homogeneous solution including several Gbps data rate, reduced latency and multi-user environment associated with an accurate tracking.

With a 3 million euro budget, WORTECS consortium brings together several European industrial and institute players in this market

Next step

WORTECS was launched in September 2017 for a three years period. The aim is to propose scientific and technological enablers for new spectrum bandwidth availability, especially at frequencies above 90 GHz up to THz allowing communications backed by innovative usage scenarios; for instance, Virtual Reality (VR). It will also address visible light communications and develop radically new approaches for spectrum efficiency.



(Orange, Oledcomm and B-Com from France, IHP Microelectronics from Germany, pureLiFi from UK) as well as universities recognized in this area (University of Oxford from United Kingdom and University of Las Palmas from Spain).

WORTECS project website: <u>https://wortecs.cms.orange-labs.fr/</u>

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