



Baseⁿ

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EW2, Easy Wireless 2

**WP2, QOS in Wireless
Networks**

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The Finnish Consortium



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WP2, QoS in Wireless Networks

- VTT, Technical Research Center of Finland (Consortium Leader and WP Leader)
Finland's largest R&D institute
- Nethawk
Core competency in wireless network measurement probes
- BaseN
Core competency in large scale communication infrastructure monitoring
- Elisa
- Digita

The Finnish consortium is focussed on WP2 and has the competency to deliver end-to-end QoS measurement, assurance and management solutions for wireless networks.

In addition two large Finnish operators provide their networks for monitoring and testing

WP2 R&D Goals



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WP2, QoS in Wireless Networks

The R&D goals of WP2 serve the purpose to provide better monitoring solutions for QoS assurance at a lower costs and improved correlation and visualization.

Monitoring:

- Enable real-time, maximum granularity end-to-end monitoring in heterogenous networks
- Integration with existing and new wireless protocols: WiMAX, 3G HSPA, 3G LTE, Flash-OFDM
- Creation of light and virtual measurement agents to reduce deployment costs

Correlation and Visualization:

- Enabling dynamic, adaptive, real-time load balancing
- Advanced NOC views for proactive QoS management

WP2 Exploitation Plan



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Creation of new Services

The results of WP2 are exploited to create new services for both operators as well as individual consumers.

New operator services and benefits:

- Services for QoS based billing models
- Faster rollout of new services and reduced monitoring costs
- Enabling dynamic real-time QoS based load balancing

New consumer services and benefits:

- Personal QoS and SLA information
- Increased billing transparency