



“Promote, Mobilize, Reinforce and Integrate  
Wireless Sensor Networking Research and Researchers:  
Towards Pervasive Networking  
of West Balkan Countries and the EU”

(March 2008 – February 2010)



THEME Cooperation  
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# Overall Aim

- WBC research centres in Belgrade, Skopje:
  - Improve their research potential
  - Develop them into wireless networking centers of excellence
- Beneficial use cases for the WBC region:
  - Personal health monitoring
  - Emergency/disaster recovery applications

# Objectives (1/2)

- Improve the wireless sensor networking research capacity and capability of two selected WBC centres of excellence (Belgrade, Skopje) to enable them to drive and actively contribute to this research field.
- Promote and reinforce researchers and research institutions from the EU's convergence regions.
- Build a sustainable framework to support continuous collaboration in the wireless sensor networking research field between research institutions in the WBC, the EU's convergence regions and Member States.

# Objectives (2/2)

- Establish means for closer collaborations of the WBC research centres and researchers from the WBC region that have left the region, to prevent brain drain and support brain gain.
- Disseminate economic and social benefits of potential key applications for the region and identify newly accessible market niches within the EU and WB countries to generate interest and opportunities for the local industry and particularly SMEs.

# The Partners

- Ericsson Ireland Research Centre-  
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(coordinator)  
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**Leader:** Prof. Roman Trobec

# Mechanisms

- Workshops (in Dublin, Santorini, Belgrade, Skopje)
- Research Seminars (in Nice, Ljubljana)
- “Senzations” Summer Schools (in Ljubljana, Ohrid)
- Special Sessions (at DCOSS '08, Telfor '08)
- WSN Awards
- Joint PhDs
- Equipment/Labs/Testbeds

# Sensor Networks Deployment

- Sensor Network Implementation in the WBC centre in Skopje
  - emergency/disaster recovery use case
- Sensor Network Implementation in the WBC centre in Belgrade
  - personal health monitoring and elderly care applications
- Interconnection of sensor networks via an overlay network
- Demonstration Activities
  - Presentation to the local research and industrial community and general public

# Expected Impact

- Accelerated set up of sustainable partnerships between RTD centres of EU's convergence and outermost regions, Member States and Western Balkan Countries.
- Boosting regional cooperation contributing to socioeconomic needs.
- Reinforce the research centres established in the EU's convergence and outermost regions
  - international co-operation networking
  - integrating exchange of scientific know-how
  - exploitation of RTD results.
- Improving and/or enlarging the RTD capacity of Western Balkan centres of competence.

# Events so far

- The third Research Workshop will be held during March 31 to April 4, 2009 in Belgrade.
- The second ProSense Research Workshop was held September 27 to October 1, 2008, in Santorini, Greece.
- The PhD-NOW '08 Workshop was held in Nice, France, together with the Ad Hoc-NOW '08 Conference, September 10-12, 2008.
- The first Summer School was held in Ljubljana during 01/09/08 - 05/09/08.
- The first ProSense Special Session colocated with DCOSS '08 on June 14.
- The first Research Workshop (along with the kick-off meeting) was held in Dublin, March 10-14, 2008.