



**Tokes, the Finnish Funding Agency for Technology and Innovation**

Tokes is the main public funding organisation for research and development (R&D) in Finland. Tokes funds industrial projects as well as projects in research organisations, and especially promotes innovative, risk-intensive projects. Tokes offers partners from abroad a gateway to the key technology players in Finland.

**Tokes programmes - part of the innovation chain**

Tokes programmes are an essential part of the Finnish innovation system. These programmes have proved to be an effective form of cooperation and networking for companies, universities and research institutes for developing innovative products, processes and services. Tokes programmes boost development in specific sectors of technology or industry, and the results of the research work are passed on to business systematically. The programmes also serve as excellent frameworks for international R&D cooperation.

For more information:

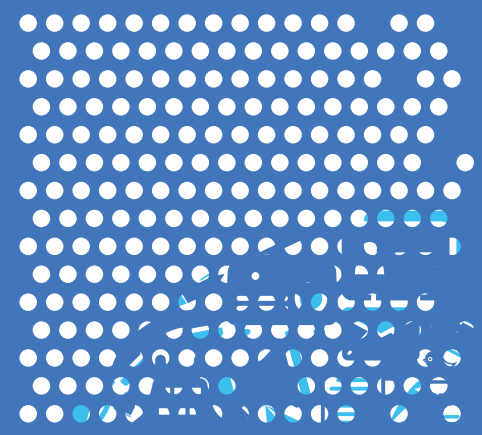
[www.tekes.fi/ohjelmat/trial](http://www.tekes.fi/ohjelmat/trial)

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Tokes



Trial Environment for Cognitive Radio and Networks

Trial

Tokes programme 2011-2014



# Trial Environment for Cognitive Radio and Networks

The volume of wireless data transfer is expanding at an explosive rate. The current wireless networks are struggling to carry the data traffic generated by smart phones and other mobile devices. Cognitive radio is expected to provide a significant boost for wireless communications and introduce new business opportunities.

The aim of Tekes' Trial Environment for Cognitive Radio and Networks programme is to transform Finland into a globally attractive cluster of expertise and unique trial environment for cognitive radio and networks. The trial environment enables the research and development of products, services and applications associated with cognitive radio.

The total budget of the programme is estimated at EUR 30 million, of which the share of Tekes funding would be approximately EUR 14.5 million.

## What is cognitive radio?

Cognitive radio is an intelligent, adaptive radio and network technology that automatically seeks a vacant radio frequency. To the end user, this delivers a smooth and seamless wireless data transfer.

## Benefits to participants

The programme offers funding, expertise, market research and seminars. In addition, it provides a networking environment to companies and research organisations both in Finland and internationally.

## International cooperation

Trial offers international partners an opportunity to cooperate with the key players in Finland. The Finnish programme participants are expected to establish collaboration with advanced research in Europe and overseas. The programme is looking for corresponding trial environments and test beds to cooperate with.