

Title
Optoelectronics Research Center ORC as a cluster of projects
Thematic Area
<ul style="list-style-type: none"> ▪ Transferring new technological innovations into industrial use i.e. spreading of excellence. ▪ Paving the way for new enterprises
Main Aspects of Interests
<ul style="list-style-type: none"> ▪ Using several financing opportunities and projects for the realization of the ORC as one of the leading regional development objective
Duration
2000 – 2003
Total Budget
€ 4 365 260 altogether (three Objective 2 projects)
Context
<p>Optoelectronics alongside with biotechnology has been considered one of the most important fields of potential business and growth in Tampere Region. ORC was founded in 1999 as a subsidiary unit operating under the Council of Tampere University of Technology. One of the obstacles for the successful international competition on optoelectronics field was out-of-date research equipment. Now, ORC is one of the best equipped academic research units in Finland and the largest university-based research centre in Europe in the molecular beam epitaxy (MBE) crystal growth technique. ORC houses app. 60 workers and it has generated several companies directly or indirectly spun from ORC.</p>
Lessons Learned
<p>ORC has presented itself as one the leading development projects in Tampere region. It is a result of strategical cooperation of which operations have been generated and expanded through several separate development projects. Three of those have been structural fund projects (Establishment of ORC, Development of ORC's Operational Environment and Development of ORC's infrastructure). ORC can be seen as an example of bigger regional development effort with national influence, where the network of regional institutions and officials as well as several international and domestic funding mechanisms and financiers are brought together and where the EU's structural funds have been utilized as a one tool in volymizing the process.</p>
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