

Thesis/Project proposal

Name	TinyGIS 2.0
Contacts	Luigi Pomante <luigi.pomante@univaq.it> Walter Tiberti Paolino Di Felice
Type	Implementation, Research
Keywords	WSN, GIS
Description	<p>The work focuses on the (1) porting and (2) the extension of TinyGIS_1.0 to the TOS_2.x platform (i.e., TinyGIS_2.0).</p> <p>(1) The porting of TinyGIS_1.0 probably implies to port to TOS_2.x also an old TOS_1.x application called TinyDB (some works already exist).</p> <p>(2) The extension of TinyGIS_1.0/ TinyGIS_2.0 implies also to analyze current state-of-the-art and a possible redesign of TinyGIS_1.0.</p>
Expected Duration	(1) Porting: 2-3 months (2) Extension: 2-3 months
References (Online)	<p>P. Di Felice, M. Ianni and L. Pomante, "A spatial extension of TinyDB for wireless sensor networks," <i>2008 IEEE Symposium on Computers and Communications</i>, Marrakech, 2008, pp. 1076-1082.</p> <p>L. Pomante, P. Di Felice, M. Ianni. "Design and evaluation of a spatial extension of TinyDB for wireless sensor networks", <i>International Journal of Computers and Their Applications (IJCA)</i>, ISCA, September 2010.</p>
References (Attached)	