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Faculty of Engineering, Built Environment and
Information Technology

Release of QRap software as Open Source under the GPL version 3.

The University of Pretoria is pleased to announce the release of the QRap software under the General Public License version 3. QRap (www.QRap.org.za) is a Radio Planning Plug-in to Quantum GIS (www.qgis.org).

We thank the Radio Technical Services at the South African Police Services, for initiating and financially enabling this project. Our thanks also goes to the Meraka-Institute, that made the core propagation prediction classes available for the project.

We trust that the researchers, students, radio regulators, radio amateurs and the industry will find the tool of great benefit to them and that the user-community will continue to built on this tool and plough back some of what they gained.

Kind Regards

Prof R. Sandenbergh
Dean: Faculty of Engineering, Built Environment and Information Technology
University of Pretoria

2010-05-18



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Professor R. Sandenbergh
Faculty of Engineering, Built Environment and Information Technology
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Lynnwood Road
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cc: Magdaleen Ballot, University of Pretoria

RE: Radiowave propagation prediction software

Dear Prof Sandenbergh,

Following the discussions and collaboration with Mrs Ballot on the above, we are pleased to give permission to University of Pretoria for the release of the radio propagation prediction algorithm software modules under the GPL version 3.0 license. The CSIR retains copyright in these modules.

Mrs Ballot, in her capacity as employee of the University of Pretoria, has been developing the radio planning software package called QRap for research purposes and for use by the South Africa Police Services. This software package has potential use for anyone interested in outdoor radio networks and specifically the radiowave propagation aspects thereof. The core propagation prediction algorithms used in the software originates from research done and implemented in the GISRAP tool developed by the Meraka Institute, then Mikomtek at the CSIR. The copyright of five classes re-used in the QRap code hence belong to the CSIR Meraka Institute.

We value the collaboration with the University of Pretoria, and look forward to seeing the software developed by Mrs Ballot being taken up and improved by academics and industry alike for advancing the quality of research in this field and for improving on the planning and evaluation of radio networks and systems.

Regards,

Kagiso Chikane
Centre Manager
CSIR Meraka Institute