Ontology building with ROC+
How to make your computer applications as smart as you are

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Too much data  Ontologies  ROC+  Smart software

The problem: Too much data
Making correct decisions is difficult:
• finding the right data
• understanding where it came from
• combining it with other data correctly

The answer: Ontologies
Ontologies make valuable background knowledge explicit. Software based on an ontology is smarter.

Search tools find more relevant results, and apps can combine knowledge from different sources to give a complete answer.

Unfortunately, ontology construction is difficult and time-consuming, leading to a shortage of good ontologies.

The method: ROC+
• Quick and easy ontology creation by domain experts
• Inspiration from existing ontologies and documents
• An easy-to-use web application for structuring terms
• Support for multiple languages

The result: smart software
We have applied the ROC+ method in many smart software tools. For example, ask-Valerie.eu allows agriculture practitioners to easily access scientific knowledge about innovations.

We believe that ROC+ will greatly improve the range and quality of ontologies, leading to far more smart software applications in the future.