

Internship description

Title	Design and implementation of a web-based decision making tool.
Context	<p>In the face of ever-increasing streams of data, decision makers need tools to help them gather, store, analyse, visualise and exploit information. General-purpose tools are usually very complex, which makes the creation of more specific, focused tools viable.</p> <p>During this internship, the student will, under the supervision of one of the co-founders of EURA NOVA, design and implement such a tool. For practical reasons, the tool should be web-based. This will give the student the opportunity to work on an end-to-end web application, including server-side data storage, mining and analysis, security, and business logic, as well as client-side interactions and visualisations.</p> <p>Some notions of interaction design, web visualisation, natural language processing and machine learning would give the student a head start, but a motivated student can learn the necessary skills during the internship.</p>
Milestones	<p>The objectives of the internship can be divided into four milestones :</p> <ul style="list-style-type: none">• Implementation of an interactive prototype to help the future users refine their requirements.• Familiarisation with the field of machine learning.• Design of an extensible architecture for the real implementation of the systems.• Implementation of a system where not all features are implemented, but the overall architecture is respected and the real software can be tested end-to-end.• As time permits, completion of the missing features.
Deliverables	<ul style="list-style-type: none">• An interactive prototype of the final product.• Design documents for the architecture of the application.• A feature-incomplete but useable system
Organisation	This master thesis is organised in collaboration with EURA NOVA. The student will be supervised by the EURA NOVA team