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Flexible Early Warning Systems with Workflows and Decision Tables

Decision Tables

Decision Tables are a tabular representation of a set of if-then rules. They first became popular in the 1960s and since then proved to be an easy-to-use representation for complex rule sets.

Nowadays, few developers are familiar with them or they have forgotten about this simple but powerful technique. Though, recent studies showed that they are still the best representation with regard to **comprehensibility** and ease of use.

We integrate decision tables into workflows in order to allow end-users to adapt the **behaviour** of the system.

Workflows

Workflows and workflow engines are commonly used to automate processes and structure human collaboration. They can also be used in earlywarning systems. The advantages of workflows are:

- Comprehensibility Non-IT personell can follow the flow of information
- Logging & Auditing Standard mechanism to provide auditable execution histories
- Monitoring Running workflows can be inspected and their status can be monitored

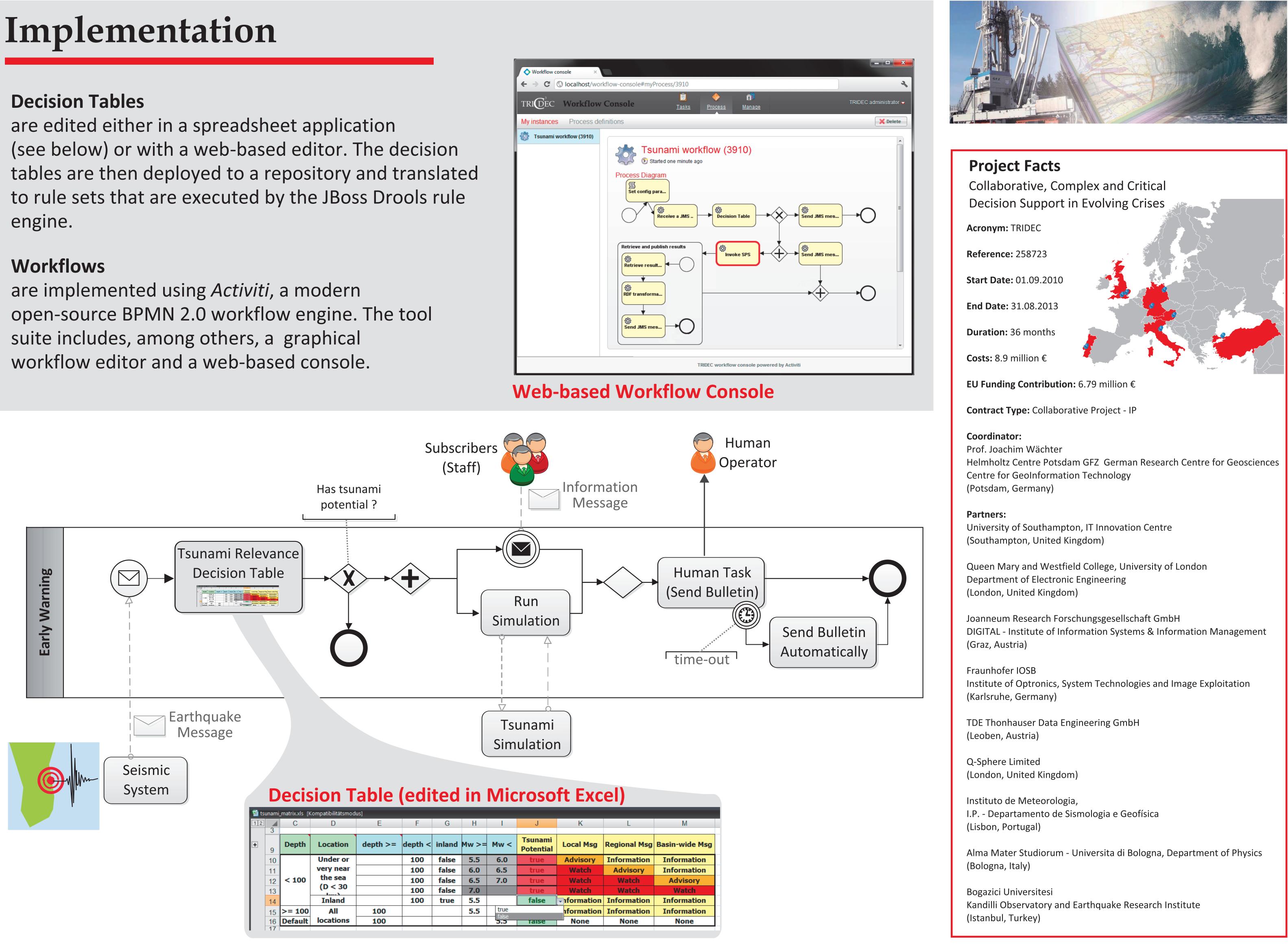


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