



## **SpiraTeam Release Report**

### **Appendix G**



## Release Detailed Report

This report is generated by SpiraTeam and displays all of the releases defined for the current project in the order they appear in the release hierarchy. The release's details are displayed, along with sub-tables containing the list of mapped Use Cases.

### Project: NBI DSS

#### 1.0.0.0 - NBI Release 1

NBI Release Cycle 1 has been divided into four minor releases, and the Use Cases that shall be addressed during Cycle 1 has been mapped to the minor (internal) releases (Release 0.0.1 – 0.0.4). Use Cases that are mapped directly to Release 1.0.0.0 does not require implementation (already exists). The mapping of the remaining use cases will indicate the order of which the planned functionality will be implemented. Three things were taken into consideration when planning the cycle:

- **Parallelisation:** Typically the developers will be divided in teams that specialises in different parts of the software functionality, and it must be possible to engage such teams throughout the entire major release. Hence, all functionality groups should, if possible, be represented in all minor releases.
- **Capacity:** Although only high level estimates has been made at this stage, it has been attempted to distribute the functionality such that the required number of developers remains relatively constant throughout the cycle. However, the volume and complexity of the functionality is slightly increasing throughout the cycle, which reflects an expected increase in team velocity throughout the cycle.
- **Implementation order:** The implementation of some use cases depend on other being implemented first. This has been taken into consideration when distributing the use cases among the minor releases.

**Version #:** 1.0.0.0      **Active:** Y  
**Creator:** HRS      **Creation Date:** 24-Nov-2009 10:47:07  
**Start Date:** 01-Mar-2010      **Planned Effort:** -  
**End Date:** 15-Sep-2010      **Available Effort:** -  
**# Resources:** -      **Task Est. Effort:** -  
**Non-Working Days:** -      **Actual Effort:** -

#### Requirements Added:

Req #	Name
RQ1869	<b>Use Cases</b>
RQ1878	<b>Generalized Use Cases</b>
RQ1892	UC011 Setup Mike Basin
RQ1906	<b>UC028 Calibrate Model</b>
RQ1893	UC013 Calibrate Mike Basin
RQ1948	UC082 Calibrate Mike 11
RQ1908	UC034 Setup Mike 11 Model



### 0.0.1.0 - Release 0.0.1

This release addresses the basic Time Series-, GIS- and Scenario Management functionality.

**Version #:** 0.0.1.0      **Active:** Y  
**Creator:** HRS      **Creation Date:** 24-Nov-2009 10:51:14  
**Start Date:** 01-Mar-2010      **Planned Effort:** -  
**End Date:** 23-Apr-2010      **Available Effort:** -  
**# Resources:** -      **Task Est. Effort:** -  
**Non-Working Days:** -      **Actual Effort:** -

#### Requirements Added:

Req #	Name
RQ1869	<b>Use Cases</b>
RQ1878	<b>Generalized Use Cases</b>
RQ1883	UC001 Import Time Series
RQ1884	UC003 Visualise Time Series
RQ1888	UC007 Inspect GIS Layers
RQ1890	UC009 Inspect Time Series
RQ1876	UC015 Create scenario
RQ1895	UC016 Run Scenario
RQ1899	UC021 Import GIS Data
RQ1900	UC022 Visualise GIS Data
RQ1922	UC053 Assess Data Availability

### 0.0.2.0 - Release 0.0.2

This release focuses on creation and editing GIS and Time Series data, as well as implementation of tools and Scenario Management.

**Version #:** 0.0.2.0      **Active:** Y  
**Creator:** HRS      **Creation Date:** 24-Nov-2009 10:52:20  
**Start Date:** 26-Apr-2010      **Planned Effort:** -  
**End Date:** 18-Jun-2010      **Available Effort:** -  
**# Resources:** -      **Task Est. Effort:** -  
**Non-Working Days:** -      **Actual Effort:** -

#### Requirements Added:

Req #	Name
RQ1869	<b>Use Cases</b>
RQ1878	<b>Generalized Use Cases</b>
RQ1879	UC002 Use Time Series Tool
RQ1889	UC008 Filter Time Series
RQ1901	UC023 Edit GIS Data



RQ1904	UC026 Use GIS Tool
RQ1917	UC047 Compare Scenarios
RQ1921	UC052 Edit Time Series
RQ1940	UC074 Create Time Series
RQ1943	UC077 Link Time Series to Feature

### **0.0.3.0 - Release 0.0.3**

Reporting is introduced in this release, but the major effort is related to Hydro-objects and Scenario Management.

<b>Version #:</b>	0.0.3.0	<b>Active:</b>	Y
<b>Creator:</b>	HRS	<b>Creation Date:</b>	24-Nov-2009 10:53:22
<b>Start Date:</b>	21-Jun-2010	<b>Planned Effort:</b>	-
<b>End Date:</b>	13-Aug-2010	<b>Available Effort:</b>	-
<b># Resources:</b>	-	<b>Task Est. Effort:</b>	-
<b>Non-Working Days:</b>	-	<b>Actual Effort:</b>	-

#### **Requirements Added:**

Req #	Name
RQ1869	<b>Use Cases</b>
RQ1878	<b>Generalized Use Cases</b>
RQ1886	UC005 Publish in Report
RQ1905	UC027 Create Linked Model
RQ1941	UC075 Create Hydro-objects
RQ1944	UC078 Edit Hydro-object
RQ1949	UC084 Modify DSS Scenario
RQ1950	UC085 Edit Model
RQ1952	UC088 Export Time Series Data
RQ1953	UC089 Export GIS Data

### **0.0.4.0 - Release 0.0.4**

The main focus will be on stabilisation and testing, but the continued work on the Scenario Manager will take up part of the capacity.

<b>Version #:</b>	0.0.4.0	<b>Active:</b>	Y
<b>Creator:</b>	HRS	<b>Creation Date:</b>	24-Nov-2009 11:17:58
<b>Start Date:</b>	16-Aug-2010	<b>Planned Effort:</b>	-
<b>End Date:</b>	15-Sep-2010	<b>Available Effort:</b>	-
<b># Resources:</b>	-	<b>Task Est. Effort:</b>	-
<b>Non-Working Days:</b>	-	<b>Actual Effort:</b>	-

#### **Requirements Added:**

Req #	Name
RQ1869	<b>Use Cases</b>



RQ1878	<b>Generalized Use Cases</b>
RQ1894	<b>UC014 Register Model</b>
RQ1909	UC036 Register Mike 11 Model
RQ1903	UC025 Register Mike Basin
RQ1914	<b>UC044 Clone and Modify Model and Scenario</b>
RQ1907	UC032 Clone and Modify MIKE Basin Model and Scenario

### **2.0.0.0 - NBI Release 2.0.0.0**

**Version #:** 2.0.0.0 **Active:** Y  
**Creator:** HRS **Creation Date:** 24-Nov-2009 14:26:18  
**Start Date:** - **Planned Effort:** -  
**End Date:** - **Available Effort:** -  
**# Resources:** - **Task Est. Effort:** -  
**Non-Working Days:** - **Actual Effort:** -

#### **Requirements Added:**

Req #	Name
RQ1869	<b>Use Cases</b>
RQ1878	<b>Generalized Use Cases</b>
RQ1887	UC004 Use Table Tool
RQ1891	UC010 Use Rainfall-Runoff Model
RQ1896	UC18 Visualise Tables
RQ1897	UC19 Create Study
RQ1898	UC020 Manage Studies
RQ1902	UC024 Setup Semi-distributed Rainfall-runoff Model (Mike SHE)
RQ1915	UC045 Setup Ensemble Scenario
RQ1916	UC046 Run Ensemble Scenario
RQ1918	UC048 Export Study
RQ1919	UC050 Import Study
RQ1920	UC051 Use GIS Catchment Delineation Tool
RQ1925	UC056 Define Optimization Scenario
RQ1926	UC057 Create Optimization Scenario
RQ1927	UC058 Run Optimization
RQ1939	UC073 Import Tables
RQ1942	UC076 Use Soil Erosion Tool
RQ1945	UC079 Use Demand Calculator
RQ1946	UC080 Use Ensemble Generator

### **3.0.0.0 - NBI Release 3.0.0.0**

**Version #:** 3.0.0.0 **Active:** Y  
**Creator:** HRS **Creation Date:** 24-Nov-2009 14:26:40



**Start Date:** -           **Planned Effort:** -  
**End Date:** -           **Available Effort:** -  
**# Resources:** -       **Task Est. Effort:** -  
**Non-Working Days:** -   **Actual Effort:** -

**Requirements Added:**

Req #	Name
RQ1869	<b>Use Cases</b>
RQ1878	<b>Generalized Use Cases</b>
RQ1910	UC038 Define Indicator
RQ1911	UC039 Use Indicator Tool
RQ1912	UC040 Run MCA
RQ1947	UC081 Setup MCA
RQ1951	UC086 Run CBA