

**DREAM project by Parcevaux - Pouliquen**



**POLITECNICO**  
MILANO 1863

# **Requirement Analysis and Specification Document**

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<b>Authors:</b>	Parcevaux & Pouliquen
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## Contents

<b>Table of Contents</b>	<b>3</b>
<b>List of Figures</b>	<b>4</b>
<b>List of Tables</b>	<b>4</b>
<b>1 Introduction</b>	<b>5</b>
1.1 Scope	5
1.1.1 World Phenomena	5
<b>2 Overall Description</b>	<b>6</b>
2.0.1 use cases	6
<b>3 Specific Requirements</b>	<b>11</b>
<b>4 Formal Analysis Using Alloy</b>	<b>12</b>
<b>5 Effort Spent</b>	<b>13</b>
<b>References</b>	<b>14</b>

## List of Figures

1	DICE DPIM metamodel. . . . .	7
2	DICE DPIM metamodel in portrait form. . . . .	8
3	Use case diagram for logged in farmer . . . . .	9
4	Use case diagram for logged in policy makers . . . . .	10

## List of Tables

# 1 Introduction

This document has been prepared to help you approaching Latex as a formatting tool for your Travlen-dar+ deliverables. This document suggests you a possible style and format for your deliverables and contains information about basic formatting commands in Latex. A good guide to Latex is available here <https://tobi.oetiker.ch/lshort/lshort.pdf>, but you can find many other good references on the web.

okk

Writing in Latex means writing textual files having a `.tex` extension and exploiting the Latex markup commands for formatting purposes. Your files then need to be compiled using the Latex compiler. Similarly to programming languages, you can find many editors that help you writing and compiling your latex code. Here <https://beebom.com/best-latex-editors/> you have a short overview of some of them. Feel free to choose the one you like.

Include a subsection for each of the following items<sup>1</sup>:

- Purpose: here we include the goals of the project
- Scope: here we include an analysis of the world and of the shared phenomena
- Definitions, Acronyms, Abbreviations
- Revision history
- Reference Documents
- Document Structure

Below you see how to define the header for a subsection.

## 1.1 Scope

... Here you see a subsubsection

### 1.1.1 World Phenomena

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<sup>1</sup>By the way, what follows is the structure of an itemized list in Latex.

## 2 Overall Description

Here you can see how to include an image in your document.

Here is the command to refer to another element (section, figure, table, ...) in the document: *As discussed in Section 1.1.1 and as shown in Figure 1, ....* Here is how to introduce a bibliographic citation [1]. Bibliographic references should be included in a .bib file.

Table generation is a bit complicated in Latex. You will soon become proficient, but to start you can rely on tools or external services. See for instance this <https://www.tablesgenerator.com>.

### 2.0.1 use cases

Here is the diagram for farmers. We suppose they are logged in the application. In case they are not they can simply log in or create an account and then log in.

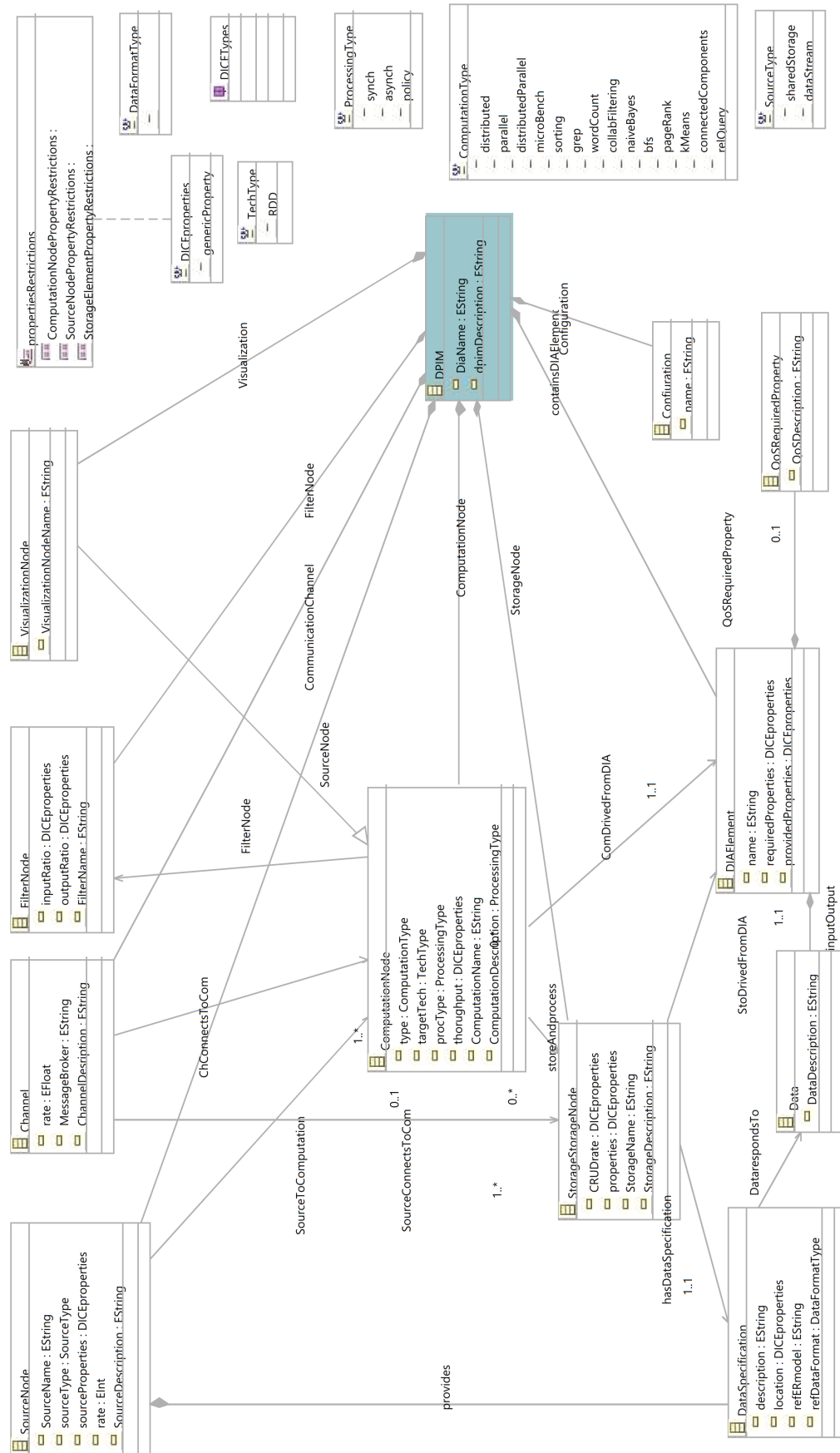


Figure 1: DICE DPIM metamodel.

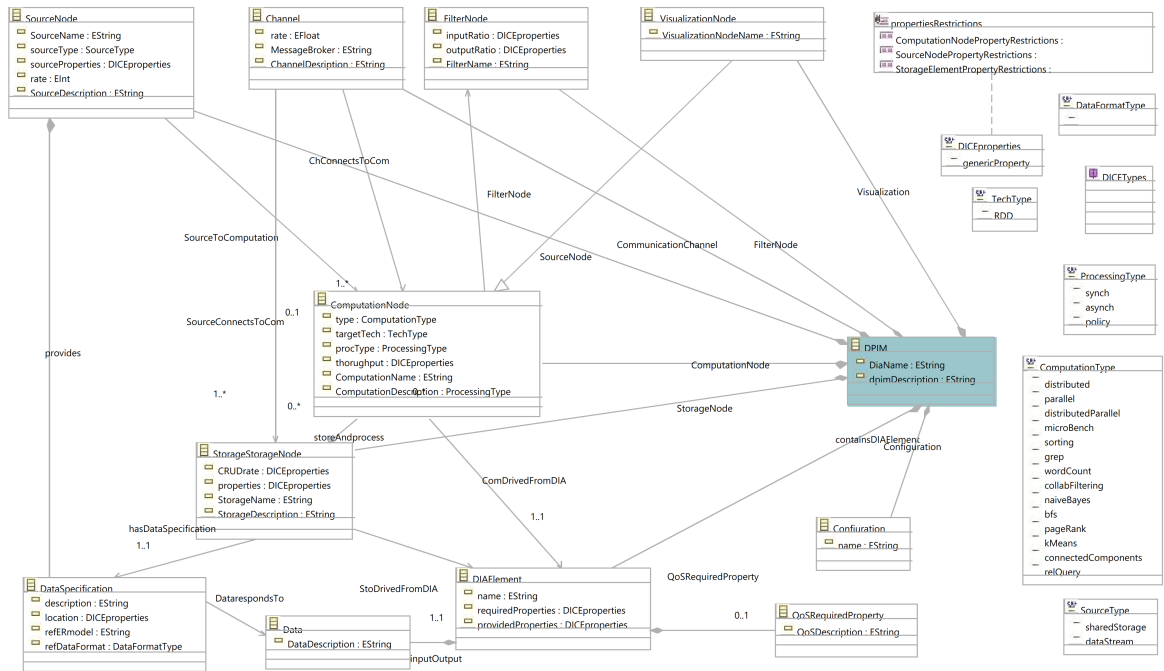


Figure 2: DICE DPIM metamodel in portrait form.



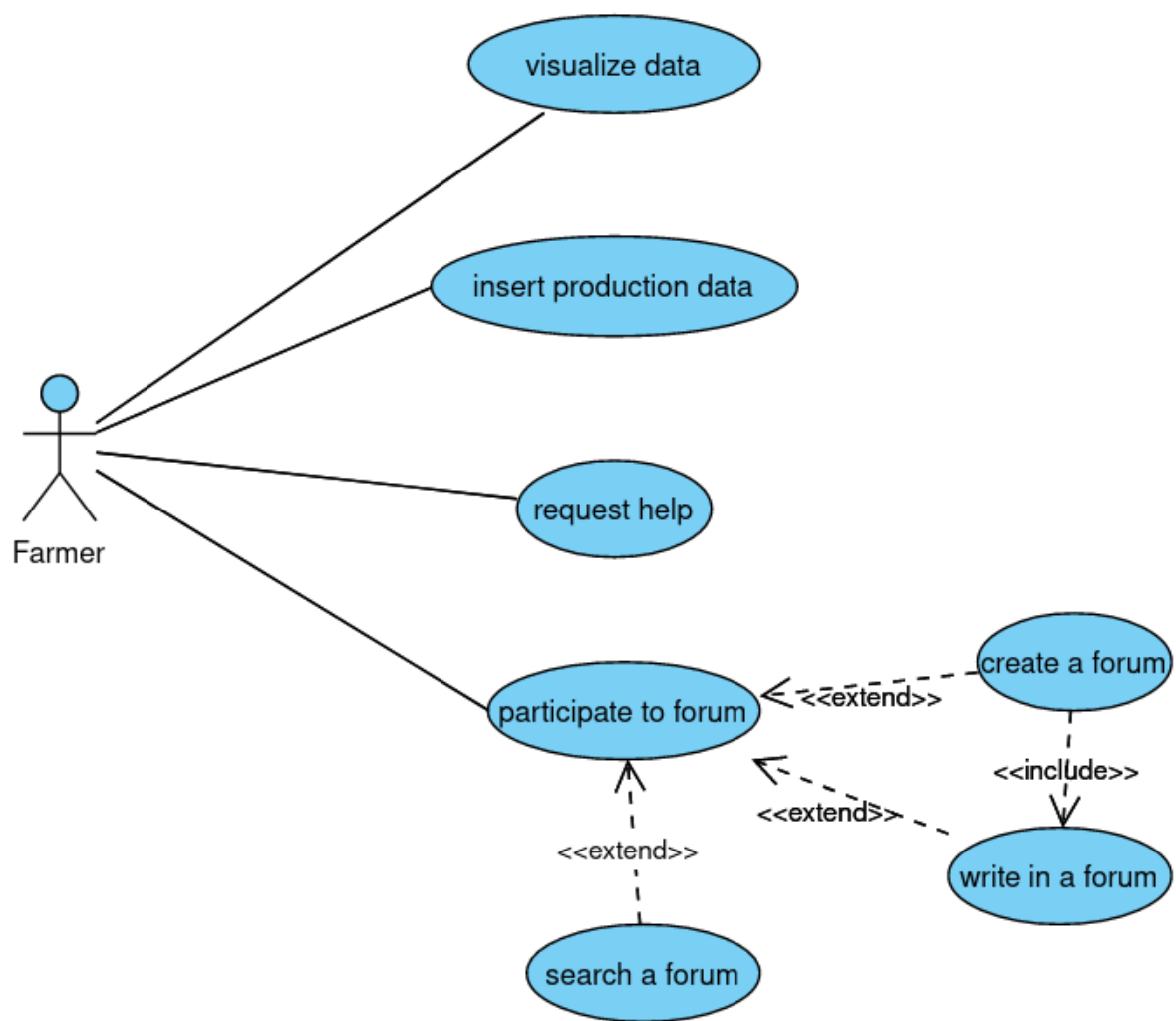


Figure 3: Use case diagram for logged in farmer



Figure 4: Use case diagram for logged in policy makers

### **3 Specific Requirements**

Organize this section according to the rules defined in the project description.

## **4 Formal Analysis Using Alloy**

Organize this section according to the rules defined in the project description.

## **5 Effort Spent**

Provide here information about how much effort each group member spent in working at this document.  
We would appreciate details here.

## References

- [1] S. Bernardi, J. Merseguer, and D. C. Petriu. A dependability profile within MARTE. *Software and Systems Modeling*, 10(3):313–336, 2011.