Thesis on Open Sciene and data - Title WIP

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## Abstract

Lorum ipsum.

## 1 Introduction

## 2 Open Science and Science for Policy

### 2.1 Open Software/Hardware

### 2.2 Trustworthy/explainable AI

### 2.3 Woo/wob, Open Overheid

#### 2.3.1 Country comparison on E-gov standards and practices?

### 2.4 Inclusive participation

#### 2.4.1 Scope (what cases and respective stakeholders does/can this apply to) / Stakeholder analysis (requirements)

#### 2.4.2 Citizen science and participation

## 3 Robust Incident Handling

### 3.1 What is it / Context

### 3.2 Example: Air Safety Investigation

### 3.3 Example: Food and Drug Administration (w.r.t. restaurant hygiene inspections)

### 3.4 Example: Software development principles

## 4 Steps within a Data Science process and their biases

### 4.1 Data acquisition

### 4.2 Data filtering and selection

### 4.3 Algorithmic development/implementation

### 4.4 Algorithmic application

### 4.5 Results handling

## 5 Requirements (engineering)

### 5.1 What have you learned from [policy/open science], [social safety] and [data processes] that we can translate into a set of requirements (for what)?

### 5.2 What platform could facilitate the above-stated requirements? What would need to be made/adjusted/fine-tuned to be able to meet all/most requirements?

## 6 Application on existing processes’

### 6.1 TBD case

## 7 Proof of concept by example

### 7.1 Own process with sample data, own stakeholder. Try to cover as many requirements as possible. WIP0

## 8 Results and conclusion