WISDOM OF THE CROWDS
CAN CROWD-SOURCING COEXIST WITH TODAY'S DATA SECURITY REGULATIONS?

Pascal Gerig (16-104-721)[1]   Lorenzo Wipfli (13-933-262)[2]
Marcel Zauder (16-124-836)[3]

SUPERVISOR:

Prof. Edy Portmann

ASSISTANT(S):

Moreno Colombo   Jhonny Pincay

OCTOBER 4, 2021

HUMAN SMART CITIES SEMINAR - PROPOSAL

---

[1] pascal.gerig@students.unibe.ch, University of Bern
[2] lorenzo.wipfli@students.unibe.ch, University of Bern
[3] marcel.zauder@students.unibe.ch, University of Bern

HUMAN SMART CITIES
Proposal

Pascal Gerig 16-104-721
Lorenzo Wipfli 13-933-262
Marcel Zauder 16-124-836

1   Background and Motivation

The concept of smart cities is booming and therefore collecting data from citizen becomes more and more important. Due to the entry into force of the new *General Data Protection Regulations* in 2018 these crowd-sourcing methods need to be revised in order to conform with these regulations - especially after the law enforcement nowadays imposes hefty fines against non-compliers, i.e. Amazon was fined nearly 750 million Euros on the 16. July 2021 for non-compliance with general data processing principles [Enf]. Therefore (smart) cities would be interested to know if the methods for crowd-sourcing conform to the rules and restrictions of GDPR.

2   Problem Statement and Research Question

The report will address the following two questions:

1. What methods do exist in order to gather information from citizen?

2. Do these methods comply with the newly enforced General Data Protection and other Privacy Regulations?

The first part is needed, so an enumeration of the used methods is present in order to discuss those proceedings in terms of Data and Privacy Security. The second question is relevant because the personal privacy concern is increasing and large fines are imposed if one does not comply with the new regulations. To answer these questions corresponding literature is discussed and both parts are merged in order to give advice on what to watch out for when developing or establishing a crowd-sourcing method and which methods do or do not comply with current regulations.

3   Objectives

The goal of the report is to find out to what extent today's methods for crowd-sourcing do comply with current privacy regulations and whether these can be revised or completely new methods need to be developed.

4   Methodology

Explore literature regarding wisdom of the crowds in smart cities and its methods for crowd-sourcing and a review of current data privacy literature, i.e. GDPR. The findings of the first search will then be discussed with regards to the second.

References

[Enf] *Enforcement Tracker.* `https://www.enforcementtracker.com/`