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Version 0.7-web

Application to **my-D Foundation, Geneva** to grant funds for the project

water-fountains.org

An interactive web application for discovering Zurich's (and later the World's) fountains, promoting (with a showcase app) and supporting both Open Data and open source. It should allow for feedback loops to keep the public utility alive and possibly extend it and in the best case even foster the creation of a "community" around the topic. Generalized, it will be a system to aggregate heterogeneous data of public interest in an efficient and user-friendly way. This document presents the long-term vision for water-fountains.org and proposes work packages to implement the first steps up to version 1.0 of the project.

GOALS

Two main goals are pursued: both goals hold for the final product, goal 2 holds for the whole process as well.

Goal 1: make an amazing app for discovering fountains

- The app should be tailored to the broad public (both citizens and tourists). The following features should be sought after: intuitive interface, multilingual, mobile-friendly¹.
- The app should be conceptualized in a scalable way. This means:
 - Scalable or flexible implementation solutions.
 - Choice of features that are relevant on a global scale, not just for a specific city.

Goal 2: showcase and promote Open Data

1. The project deliverable should encourage the development of the "Open" ecosystem (data, tools, policies...) by being **a showcase** and **providing code that is reusable**.
2. Data quality and quantity should be improved through the project.
3. The app should **excite and motivate users** to become involved in similar endeavours in their home town. This is done by providing an attractive Open Data-based app that does not conceal missing data but rather calls the user to action/contribution.

¹ Offline access would be nice but is hard to do properly in a map-based app.

SPECIFICATIONS

Open principles

The data, tools, and work methods must be coherent with the [open definition](#), when possible. The software written will be released with an open-source license.

Credit to funders

1. The software release includes a notice/amendment/contributors agreement from my-D.
2. The code must appear (mirrored or hosted) on the my-D git repository, a publicly accessible issue tracker must be employed (on GIT or bugs.my-d.org)
3. The license must oblige the users to publish their data under an open license as well²

Domain names

- zurich.water-fountains.org or water-fountains.org/zurich
- Zurich.water-fountains.opendata.ch, zurich.fountains.opendata.ch, and other C-Names are possible

Security

- HTTPS encryption with Let'sEncrypt

² E.g. Under <https://creativecommons.org/licenses/by-sa/4.0/> and <http://opendefinition.org/licenses/odc-odbl>

ROADMAP

Anticipated releases

See Work Packages for full feature lists

Version 0.1
Transposition
 November 2017 - January 2018

An open version of [Fountains of Zurich](#).

- ✓ Iron out usability issues
- ✓ Open-source license
- ✓ MY-D amendment

WP1

Version 1.0
Data in focus
 February - July 2018

A new design with high-impact features.

- Improve design/ interaction
- Display Wiki content
- Advanced search
- ...

WP2, WP3

Version 2.0
Community project
 2018-2019

Let users take ownership of the data.

- Allow direct contributions to Wikidata
- Allow stations to be added

WP4, WP5

Version 3.0
Geographical generalization
 2019

Enable app to be used globally.

WP6

Version 4.0
Topical generalization
 2019-2020

Generalize the app to different themes (e.g. toilets accessible for the handicapped).

To be defined at a later stage.
 E.g. with an overarching domain "closest.org"

WP7

Work packages

#	Name
WP1	Project transposition
WP2	Multi-source data consolidation
WP3	Modern expandable front-end architecture
WP4	Users can contribute to existing fountains
WP5	Users can create new fountains
WP6	Expand app to other cities
WP7	Expand to app to other services