# HLA Haplotype Frequency data and software is a community project

The HLA Haplotype Frequency Community is defined as: all parties that contribute data and software to the global HLA haplotype frequency database and all parties that use this data and software.

Open source projects, products, or initiatives are those that embrace and celebrate open exchange, collaborative participation, rapid prototyping, transparency, meritocracy, and community development.

Open Source Software (OSS) is appropriate for HLA Haplotype Frequency data and software (OpenHF).

<https://en.wikipedia.org/wiki/Open-source_software#Advantages_and_disadvantages>: The top four reasons individuals or organizations choose open source software are:

1. lower cost,
2. security,
3. no vendor 'lock in', and
4. better quality.

OpenHF means: transparent, equal, (partly) open source, community based, free of charge for all users, ...

Models are well-known open-source community projects (Linux, Firefox (by Mozilla), etc.) but also EMDIS, where a required service was built and is maintained by the community without a substantial infrastructure or funding. We do it together because we need it (Necessity is the mother of invention).

## Vision statements

OpenHF provides the single globally comprehensive, up-to-date repository for HLA haplotype frequencies. Publication of data to and subscription to data from the repository is easy and equal.

OpenHF is the tool that maps all operations on all HLA haplotype frequencies worldwide to a standardized, secure protocol.

## Mission statements

OpenHF’s mission is to build, provide, maintain, optimize a repository with centralized data on HLA haplotype frequencies and other relevant data that might be subject of interest and fit for the framework. OpenHF uses a simple protocol to build and provide the repository.

# Getting Started[[1]](#footnote-1)

## Starting From What We Have

Choose a Good Name

Have a Clear Mission Statement

State That the Project is Free

Features and Requirements List

Development Status

Downloads

Version Control and Bug Tracker Access

Communications Channels

Developer Guidelines

Documentation

Demos, Screenshots, Videos, and Example Output

Hosting

## Choosing a License and Applying It

## Opening a Formerly Closed Project

## Announcing

# Technical Infrastructure

What a Project Needs

Web Site

Mailing Lists / Message Forums

Version Control

Bug Tracker

Interaction

Translation Infrastructure

Social Networking Services

# Social and Political Infrastructure

Benevolent Dictators

Consensus-based Democracy

Writing It All Down

Joining or Creating a Non-Profit Organization

# Organizations, Money, and Business

The Economics of Open Source

Types of Corporate Involvement

Appear as Many, Not as One

Be Open About Your Motivations

Money Can't Buy You Love

Contracting

Funding Non-Programming Activities

Marketing

Open Source and the Organization

Hiring Open Source Developers

Crowdfunding and Bounties

# Communications

You Are What You Write

Handling Growth

Publicity

# Packaging, Releasing, and Daily Development

Release Numbering

Release Branches

Stabilizing a Release

Packaging

Testing and Releasing

Maintaining Multiple Release Lines

Releases and Daily Development

# Managing Participants

Community and Motivation

Share Management Tasks as Well as Technical Tasks

Transitions

Committers

Credit

Forks

# Legal Matters: Licenses, Copyrights, Trademarks and Patents

Terminology

Aspects of Licenses

The GPL and License Compatibility

Choosing a License

Contributor Agreements

Proprietary Relicensing

Trademarks, Patents

# Revision history

|  |  |  |  |
| --- | --- | --- | --- |
| Version 0.1 | 2016-10-19 | First draft | hpe |

1. Based on: Producing Open Source Software, http://producingoss.com [↑](#footnote-ref-1)