

Organization Profile

Website URL

<https://opendatakit.org>

Tagline (80 chars)

Open Data Kit is used to collect data for social good in difficult environments.

Logo

https://pbs.twimg.com/profile_images/969728091835650048/rcqT1UIb_400x400.jpg

Primary Open Source License

Apache License 2.0

Organization Category

End User Applications

Technology Tags

java, android

Topic Tags

mobile, global development, global health, social good

Ideas List

https://docs.google.com/document/d/1JHbF-ivs8MKe1_V2o_RiO3DnzYoeencMe5unxjGCWH0/edit

Short Description (180 chars)

Open Data Kit replaces paper surveys with smartphones. It has been used to collect millions of data points for social good in challenging environments around the world.

Long Description (2000 chars)

Data collection is a key component of social good efforts ranging from polio elimination to rainforest conservation and Open Data Kit (ODK) helps thousands of organizations collect data quickly, accurately, offline, and at scale. Users of ODK software include Red Cross, World Health Organization, Centers for Disease Control, Jane Goodall Institute, Gates Foundation, the Carter Center, and many others.

The ODK ecosystem has several interoperable tools that are used to collect data. For GSoC, we will accepting proposals on [ODK JavaRosa](<https://github.com/opendatakit/javarosa>), [ODK Share](<https://github.com/opendatakit/share>), and [ODK 2 Notifications](<https://github.com/opendatakit/skunkworks-parrot>)

****Contribute and make the world a better place!****

* Hutan Aceh in Indonesia is home to tigers, elephants, orangutans and rhinos. EIA International and local activists protect it by documenting forest crimes with ODK. The geo-tagged forms, rich with photos, provide the evidence needed to save habitat. [Watch video](<https://www.youtube.com/watch?v=f7rJCgwV3-g>).

* Evaluating global health programs involves collecting, organizing, cleaning, and analyzing data. Population Council, Marie Stopes Uganda, and Gobe Group use ODK to streamline the process. [Watch video](https://www.youtube.com/watch?v=0vw_5sVYj-A).

* The Jane Goodall Institute uses ODK to empower local communities to better manage and monitor their forests. ODK lets these communities connect directly with the global carbon marketplace and demonstrate the concrete benefits of their efforts to protect the forest. [Watch video](<https://youtube.com/watch?v=CNXv8EEs0P8>).

* The Carter Center uses ODK to get the real-time data needed to assess elections. Over the last six years, ODK has been used to monitor elections in Liberia, Egypt, Libya, Kenya, Nepal, the Democratic Republic of Congo, Mozambique, and Tunisia. [Watch video](<https://www.youtube.com/watch?v=O-CGzo3m4PA>).

* For governments working to end polio, access to accurate and timely information makes a world of difference. ODK is used in Jordan, Afghanistan, Pakistan, Somalia, and South Sudan as a key tool in mass polio vaccination campaign quality control. [Watch video](<https://www.youtube.com/watch?v=zROyrvvt-zk>).

Application Instructions

Before completing your application, please complete a small feature or bug fix for the [repo](<https://github.com/opendatakit/>) your proposal relates to. You may want to start by looking at the “quick win” and “contributor friendly” labels in the issue trackers. Be sure to include your GitHub username in your submission.

We also highly encourage you to introduce yourself and to discuss your project idea in the #internships channel on our [Slack](<http://slack.opendatakit.org>).

Proposal Tags

javarosa share notifications

Chat, Mailing List, or Email

<http://slack.opendatakit.org>

<https://forum.opendatakit.org>

opendatakit.org@gmail.com

Links

<https://twitter.com/opendatakit>

<https://opendatakit.org/blog>

Application

Why does your org want to participate in Google Summer of Code?

The Open Data Kit project is used around the world for data collection for social good (e.g., public health, global development, climate monitoring). We know that such an applied project can be very appealing to students traditionally underrepresented in computer science and we are eager to share our passion for technology that can change the world.

ODK was started by University of Washington Ph.D. students and their advisor while he was on sabbatical at Google. It has received many student contributions in the past so we know that it is approachable for students of all levels. We also know that investing in students is a great way to get long-term contributors to the ODK ecosystem.

Finally, our experience with Google Summer of Code over the last two years was very positive and we would like to continue building on that success.

How many potential mentors have agreed to mentor this year?

1-5

How will you keep mentors engaged with their students?

Our mentors have volunteered because they actively want to mentor students. They have looked over the GSoC Mentor Manual and are ready to provide support for their projects.

We will require that students and mentors use public channels whenever possible so there can be shared learning and support across all projects. Public communication also allows administrators to provide support through the GSoC period.

How will you help your students stay on schedule to complete their projects?

Before students can submit a proposal, they will be asked to fix a relevant and easy issue on the ODK project. This will give students a chance to get started (often the hardest step!) and give mentors and administrators an initial look at their strengths and weaknesses.

Once selected, we will require students and mentors to communicate via Slack, GitHub, and email every few days. This communication should be public whenever possible so the community can participate as appropriate. GSoC administrators will watch these

public venues to ensure that steady progress is being made. We will also require that students share weekly updates with the community outlining where they are blocked, what they have accomplished and what they plan to do in the next week.

How will you get your students involved in your community during GSoC?

Community interaction happens in our Slack channel (<http://slack.opendatakit.org>), our forum (<https://forum.opendatakit.org>) and on GitHub issues. We will make sure that the students are periodically pulled into technical discussions and that their opinions are listened to. We also have monthly developer calls open to all contributors and we will encourage the students to participate in these.

Because the ODK project has contributors and implementation partners across the world, it is likely that students will be located close to one. We will optionally help arrange in-person meetings as appropriate.

How will you keep students involved with your community after GSoC?

To ensure we are sensitive to the needs of each specific student, at the start, middle, and end of GSoC, we'll encourage mentors to schedule 1 on 1 chats with students about their post-GSoC plans. We will ask both mentors and students to let GSoC administrators know how best we can help support those plans.

We believe that a good mentor/student match can be beneficial to both mentors and students and we do not want to see these relationships end simply because GSoC is over. If there is a desire by mentors or students to extend the existing project or to start a new project, we'll facilitate this work with the necessary infrastructure. For students who are interested in work for hire, we will also connect them with available opportunities within the community.

We did our second GSoC last year and our GSoC student alumnus continues to be active in the community and joined our Technical Steering Committee.

Has your org been accepted as a mentor org in Google Summer of Code before?

Yes

For each year, provide the counts of successful and total students.

2017 - 1 student. All students successful.

2018 - 2 students. All students successful.

What year was your project started?

2008

Where does your source code live?

Our repositories are all at <https://github.com/opendatakit>

Anything else we should know?

We are a participating member project of the DIAL Open Source Center. If we are not accepted as a GSoC organization, we have a fallback plan to be a sub-org under DIAL's GSoC umbrella org application this year.