



The Russian Federation

The War Over Open-Source

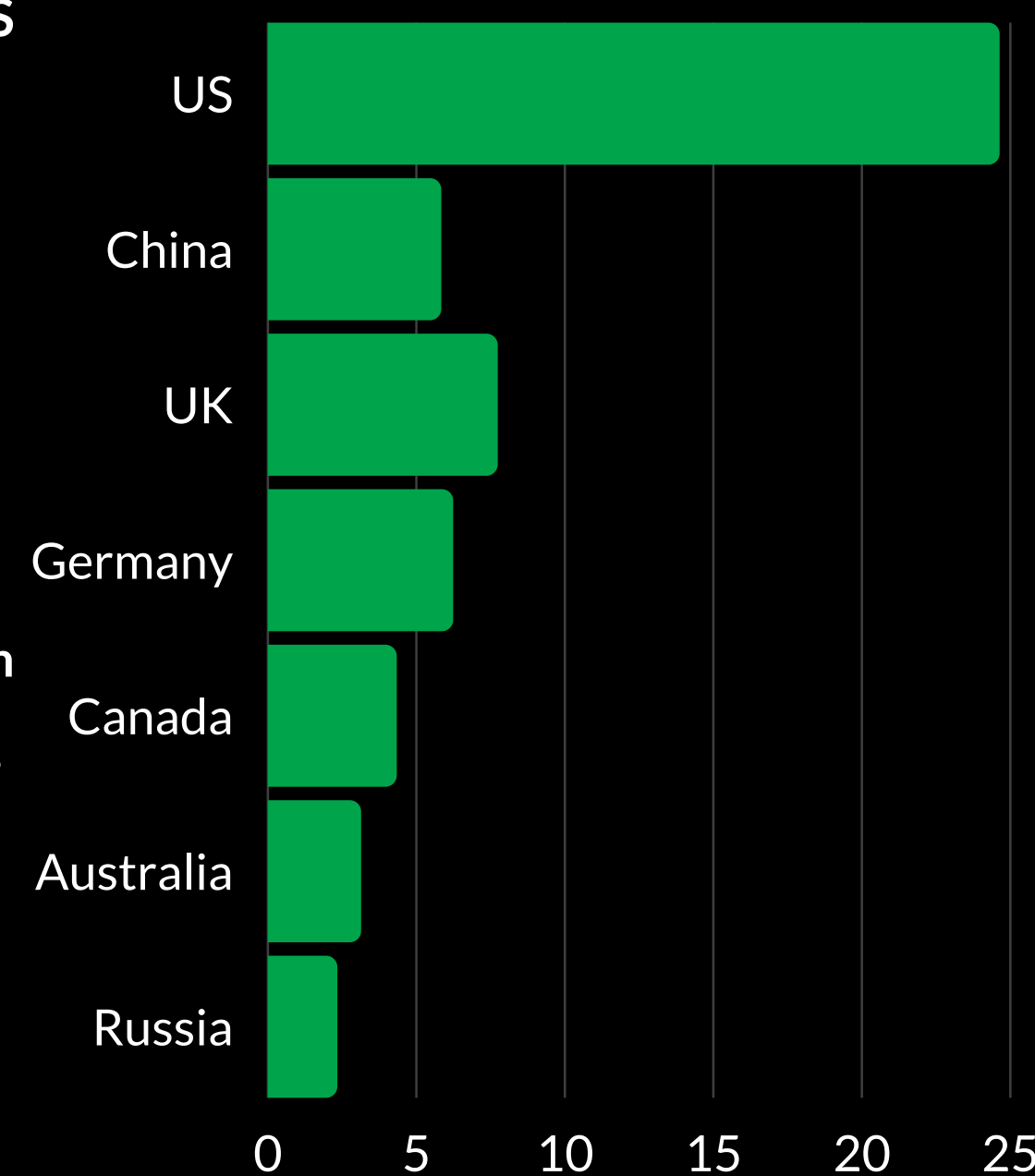
By: Nate Goldsborough
github.com/nathen418

LOCATION SPLIT OF GITHUB USERS BY COUNTRY

THIS CHART ACCOUNTS FOR

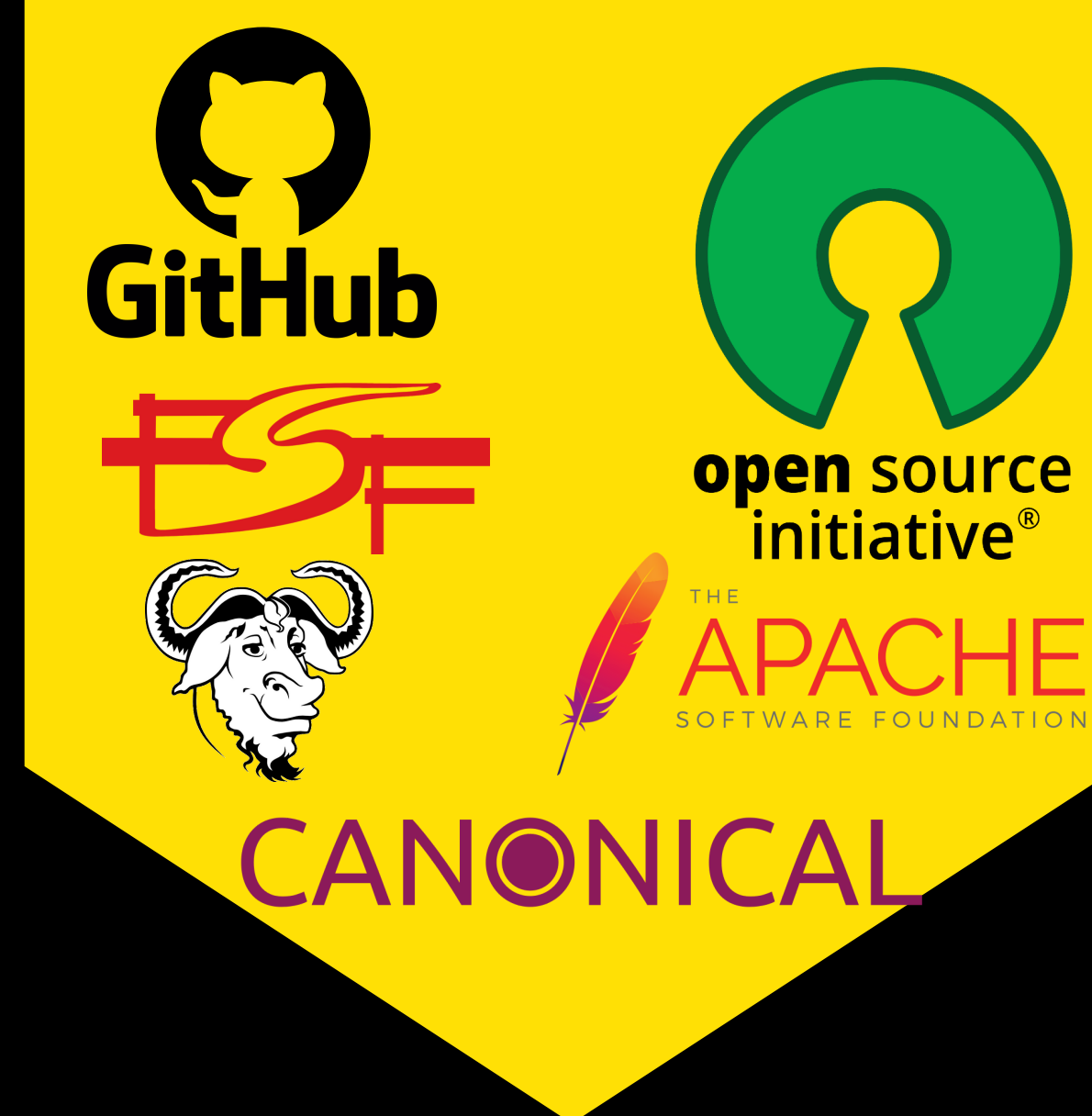
54%

of all open source developers in the world in 2020. Russia holds 4.3% of the FOSS market. This seems like its not too much, however those developers are invaluable to the success of many FOSS projects. (Frederickson, 2018)



There were over **73 Million** Developers on Github in **2021** **1.89M** of whom live in **Russia** (Github,2022)

Some of the most important FOSS organizations



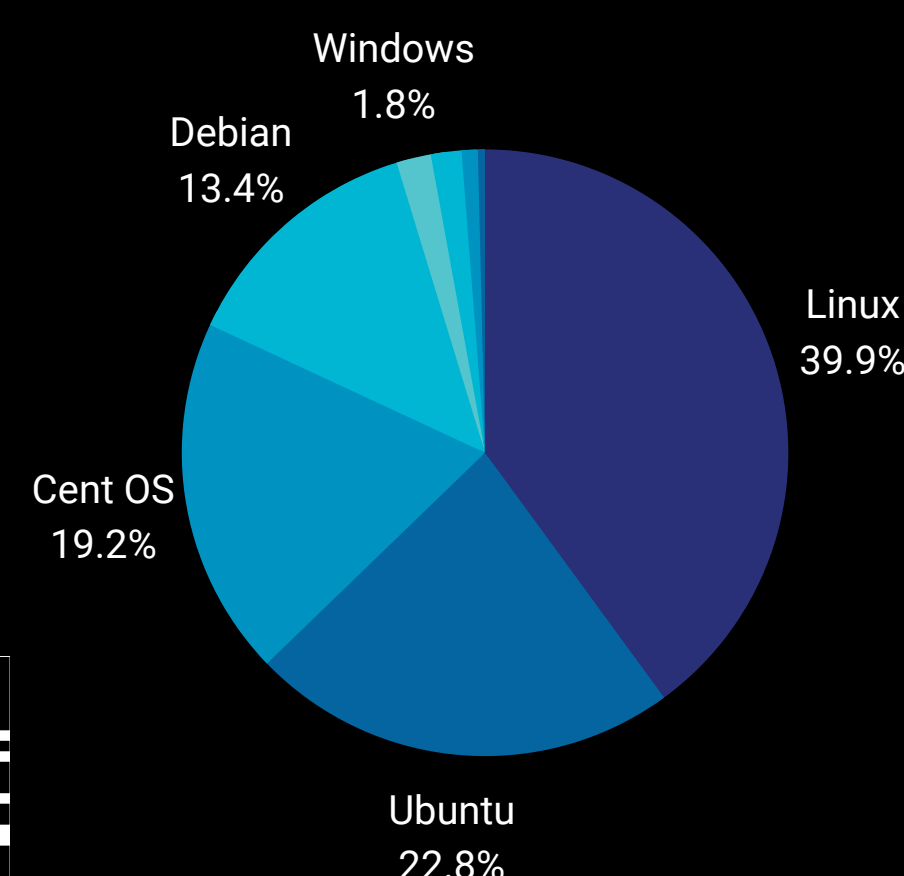
Many organizations like **GitHub**, the **Open-Source Initiative (OSI)**, and the **Free Software Foundation (FSF)**, Explicitly state that the goal of **FOSS** is to be **100% free** for **ANYONE** to use. This is a core tenant of the **FOSS** model.

If we loose **trust** in **FOSS** we risk irreparable **damage** to the rest of the world, including the immediate and immense **threat** to **billions** of pieces of software to **sabotage** and abandonment.

We must reaffirm a **commitment** to keeping **FOSS** alive and well.

70%

Roughly **70%** or webhosting software runs using open source code and according to **W3Cook's** analysis in **2016**, roughly **90%** of servers run **linux**, an open source operating system. This chart shows operating system market share in the **server space** (W3Cook, 2016)



February 24, 2022

Russia launches their offensive into **Ukraine**

March 2, 2022

GitHub reaffirms their support for **Ukraine**, but does not pull out of **Russia** citing the harm t o the **FOSS** community and global security that move would cause. (Dohmke)

April 16, 2022

BleepingComputer starts reporting russian **GitHub** accounts being deleted en masse. **GitHub** citing **US** export laws starts banning any **Russian** account associated with sanctioned entities such as **Sberbank Technology**, or the **Russian Government**. (Toulas, 2022)

THE TIMELINE



Follow the Timeline

FOSS is a **crucial** part of the **digital world** we live in and needs to be **protected**.

This fight between the **US** **government** and **FOSS** developers in sanctioned countries

will only get stronger as **cyber-warfare** becomes more and more

common. **Russian**

developers account for **1.89M** users on the platform,

with those users pumping out valuable code every day. (Github, 2022)

On March 18th 2022, A maintainer who sabotaged a popular **NPM** package in protest at **Russia's** invasion of **Ukraine** has been criticised for embedding malware in a major **Node.JS** package's release.

If developers download the **poisoned package** and are geo-located in either **Russia** or **Belarus**, the malware wipes file contents and replaces them with a heart emoji.

Adapted from an article by Bannister (Bannister, 2022)

