

Founded in 2012, the [Open Observatory Network Interference \(OOONI\)](#) is a free software project aimed at empowering decentralized efforts in increasing transparency of internet censorship around the world. For more than a decade, the OOONI community has contributed [more than a billion network measurements](#) from more than **241 countries and territories**, shedding light on [many cases of internet censorship](#) around the world. All these measurements were contributed through the use of OOONI Probe.

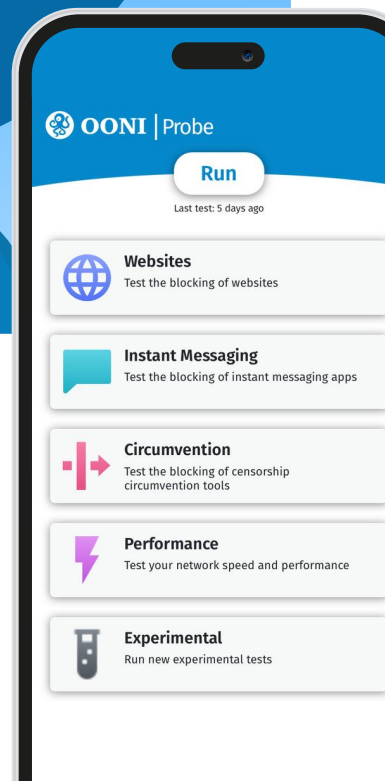
# Measuring Internet Censorship



**OOONI Probe** is free and open source software designed to measure internet censorship and other forms of network interference. OOONI Probe runs a variety of network measurement tests to check the following:

- 1** Blocking of [websites](#)
- 2** Blocking of instant messaging apps such as [WhatsApp](#), [Facebook Messenger](#), [Signal](#) and [Telegram](#)
- 3** Blocking of circumvention tools
- 4** [Speed and performance](#) of your network
- 5** Presence of [middleboxes](#)

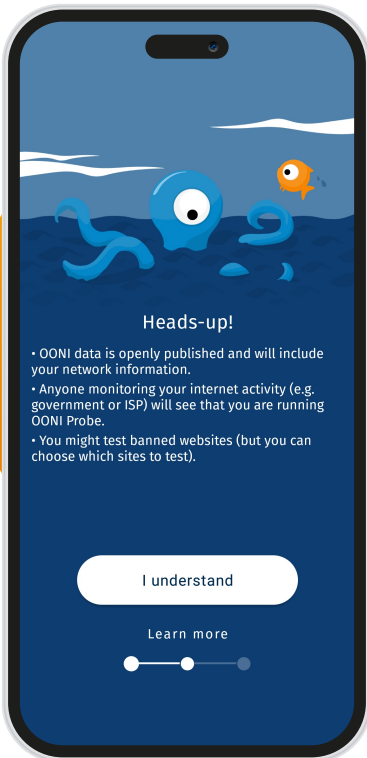
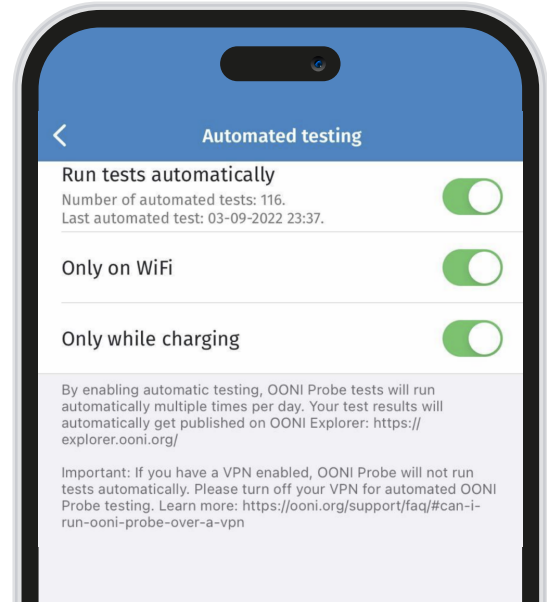
Get the OOONI Probe app on Mobile and Desktop:



# How to contribute?

To contribute measurements automatically every day, please enable **Automated testing** through the settings of your OONI Probe app.

This will help the internet freedom community to monitor and respond to emergent censorship events!



## Heads-up!

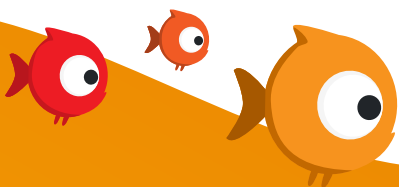
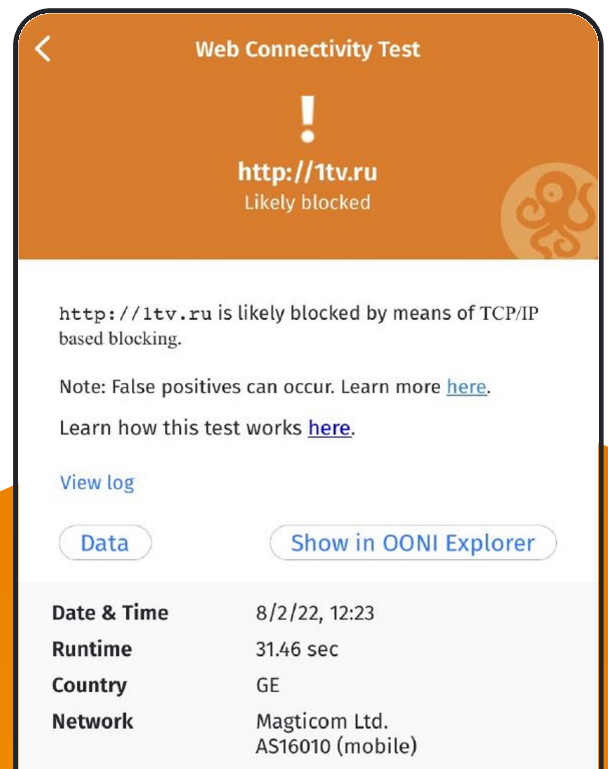
Please **turn your VPN off** when running OONI Probe to help ensure more accurate test results.

Learn more through our user guides for [OOONI Probe Mobile](#), [OOONI Probe Desktop](#), and [OOONI Probe CLI](#).

### Disclaimer:

Running OONI Probe **can potentially be risky** in certain countries. Learn more about [potential risks](#).

As soon as you run OONI Probe, you will immediately have access to the test results in the app. Along with an overview of the test result (for example, a tested website is blocked), you will have access to the raw network measurement data. Your test result will be [published](#) as open data in real-time.



# Localizing OONI tools

Thanks to the [Localization Lab](#) community, OONI tools are **translated into multiple languages**. If you would like to review and/or contribute an OONI tools translation, please sign up with Transifex:

<https://explore.transifex.com/otf/>



The screenshot shows a project page for localizing OONI tools. On the left, a table lists 47 languages with their respective completion percentages and progress bars. On the right, project details are provided, including the source language (English), creation date (April 6, 2016), number of contributors (306), total words to translate (3.08K), and last activity (5 days ago). A 'JOIN THIS PROJECT' button is visible, along with a note about localisation projects.

Language	Percentage
Russian	100%
German	100%
Turkish	100%
Chinese (China)	100%
French	99%
Persian	99%
Spanish	99%
Vietnamese	99%
Portuguese (Brazil)	99%
Icelandic	99%
Burmese	99%

Project Details:

- Source language: English
- Date created: April 6, 2016
- Number of contributors: 306
- Total words to translate: 3.08K
- Last activity: 5 days ago

JOIN THIS PROJECT

Got a localisation project? Do it with Transifex, free forever.

# Contributing websites for censorship testing

OONI Probe tests a wide range of websites included in public “test lists”, hosted by the [Citizen Lab](#) on [GitHub](#). We encourage you to review and contribute to these lists to help ensure that relevant websites are tested for censorship.

You can contribute websites for censorship testing through OONI’s [Test Lists Editor](#), or on [GitHub](#).

Learn how to use the Test Lists Editor through our user guide:

<https://ooni.org/support/test-lists-editor>



The screenshot shows the 'Test List' editor for Afghanistan. It includes a dropdown menu for the country, an 'Add new URL' section with fields for URL, Category, and Notes, and a table of existing test list entries.

URL	Category	Date Added	Source	Notes
<a href="http://www.bbcpashto.com/">http://www.bbcpashto.com/</a>	News Media <sup>1</sup>	19 Jul 2017	BBC	
<a href="http://www.bbc.com/persian">http://www.bbc.com/persian</a>	News Media <sup>2</sup>	19 Jul 2017	BBC	
<a href="http://www.bbcpersian.com/">http://www.bbcpersian.com/</a>	News Media <sup>3</sup>	19 Jul 2017	BBC	
<a href="http://afghanistantimes.af/">http://afghanistantimes.af/</a>	News Media <sup>4</sup>	18 Aug 2017	OONI	
<a href="https://www.pajhwok.com/">https://www.pajhwok.com/</a>	News Media <sup>5</sup>	18 Aug 2017	OONI	
<a href="http://www.aonnews.com/">http://www.aonnews.com/</a>	News Media <sup>6</sup>	18 Aug 2017	OONI	

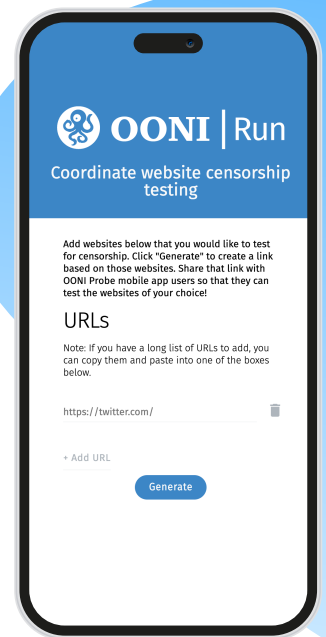


## Coordinating with other OONI Probe users on website censorship testing

You may be interested in having websites tested for censorship in *different* countries or networks. In this case, you can use the [OOONI Run](#) platform to generate a link for the testing of websites that you care about, and share that link with other [OOONI Probe Mobile App](#) users who can perform the testing.

Learn how to use the OONI Run platform through our user guide:

<https://ooni.org/support/ooni-run>



## Investigating Internet Censorship With OONI Data

In real-time, all OONI Probe test results are automatically [published as open data](#) on [OOONI Explorer](#): the world's largest open dataset on Internet censorship.

Spanning from 2012 to date, OONI data consists of **more than a billion network measurements collected from 241 countries**. Every minute, new measurements are published from around the world, shedding light on Internet censorship.

### OONI | Explorer

**OOONI Explorer** is a web platform through which you can explore OONI measurements collected from around the world: <https://explorer.ooni.org/>



The OONI Explorer [Search Tool](#) enables you to easily discover automatically **confirmed blocked websites** around the world, and to filter the data based on multiple parameters (e.g. date range, country, network, OONI Probe test, domain, website category).



# Measurement Aggregation Toolkit (MAT)

OONI Explorer also includes a Measurement Aggregation Toolkit (MAT), which enables you to **create charts** based on aggregate views of real-time OONI data collected from around the world:

<https://explorer.ooni.org/chart/mat>

Use the MAT to track and visualize Internet censorship worldwide!



## Performing your own analysis

If you would like to perform your own analysis, you can download raw OONI data in JSON format from the **OONI API**: <https://api.ooni.io/>

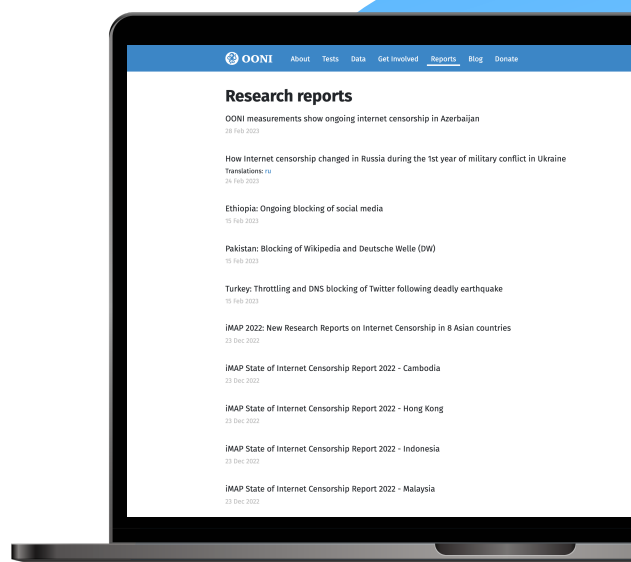
For batch analysis, you can fetch the whole OONI dataset from our [Amazon S3 bucket](#).



## Research on Internet censorship

Since 2012, OONI published more than 75 reports documenting Internet censorship worldwide: <https://ooni.org/reports/>

Almost all of these reports involve the analysis of [OONI data](#), while many were produced in collaboration with our [partners](#).



**Join our community**, there are many ways to get involved!

Since 2016, OONI has established partnerships with 41 digital rights organizations: <https://ooni.org/partners>

Participate in community discussions on Slack, follow us on Twitter, and run OONI Probe to help increase transparency of internet censorship!

## Contacting OONI

If you have questions, please feel encouraged to reach the OONI team by sending an email to [contact@openobservatory.org](mailto:contact@openobservatory.org).

You can also reach the OONI team (and global OONI community) on Slack: <https://slack.ooni.org/>

