

## The OSD Citizen App



The OSD App provides the opportunity to enter environmental parameters plus an illustrative photo in an electronic “log sheet” which are send to the OSD server. It is available for Android and iPhone.

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## 1. Installation and first time set-up

Download the OSD Citizen App for free in the Google Play Store or App Store.

Google Play Store

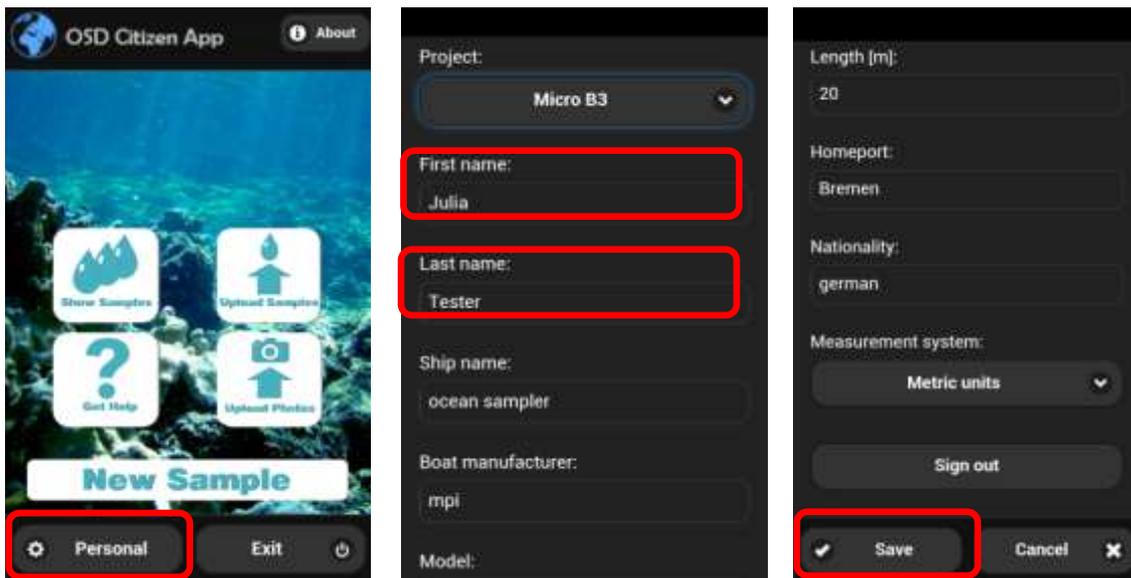


App Store



After installation, please open the App while you still have internet connection as the App itself needs to download basic settings before you can create a new sample. This is only necessary once at the first start-up. Afterwards you don't need a network connection to use the App as it stores all the data offline until you next get internet access and click 'Upload Samples'.

Next, click on the "Personal" button on the left corner at the bottom - here it is mandatory to enter your first and last name. You can change this information as often as you like just do not forget to click the "Save" button at the bottom of the screen.



Please remember: your name (first and last name) will be publicly displayed on the OSD server website. If you do NOT want this please choose a nickname.

Sign in to the megx.net site via your [megx.net](http://megx.net) username and password or using your Google, Twitter or Facebook account.



We recommend to generate your Micro B3-IS user account using your PC or Mac at <https://mb3is.megx.net/register>.



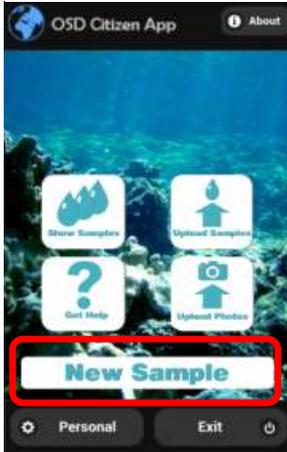
For more information about the OSD Citizen App and MyOSD sampling watch the OSD Sampling Tutorial:



<https://youtu.be/Mtmp4Ltr4xol>

## 2. Sampling

Create a new sample by clicking on the "New Sample" Button and fill in as much information as you have.



Mandatory fields are Time, Longitude, Latitude, GPS Accuracy (data will be automatically provided by your Smartphone if you have GPS enabled), Sampling depths and Sample name. If you took surface water, the sampling depth would be "0 meters".

Please enter a name for your sample in the field Sample name or use the automatically generated name.



Time 1  
2014-08-01 17:06:00

Latitude 1  
53.06935180909932

Longitude 1  
8.791906144469976

Accuracy (m) 1  
15.00

Sampling depth (m) 1  
1

Get GPS Location



New Sample (2/5)

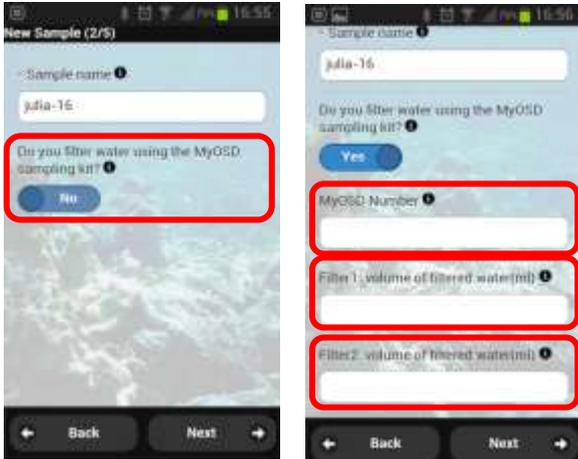
Sample name 1  
Julia-16

Do you filter water using the MyOSD sampling kit? 1

No

Back Next

If you use the MyOSD sample kit to filtrate water slide the switch to the right and new fields will appear. If you do not use the sample kit leave it to "No". Enter your MyOSD number which is the number on the stickers which are stuck to the sterivex filters. Enter the volume of water you filtered through the two sterivex filters.



Please take a photo and upload it to the server. This will create a nice visual impression of the MyOSD campaign from all around the world.



Continue to the last page and click "Done" to save the sample data on your phone. Upload the sample data and pictures to the OSD Server as soon as you have Internet connection.



Please fill out our MyOSD survey after sample upload so we can improve the MyOSD campaign for next year. It only takes about 1 min.



More information as well as a video tutorial for the App can be found at [www.microb3.eu/myosd](http://www.microb3.eu/myosd)

## Troubleshooting

Problem	Suggestion
I can not install the App	Try to download it again
GPS does not work	Make sure that you have enabled GPS on your phone and that the App is allowed to access it.
I can not upload my sample(s) and picture(s)	Go to “Personal” and sign out and sign in again Make sure that you have allowed the App to use the resources on Megx

**When you have finished these steps you are ready to go!**

### IMPORTANT

Besides the measurements illustrated in the MyOSD handbook, you can take additional data during your sampling activity. To learn how you can measure additional environmental parameters (e.g., salinity, nitrate and phosphate concentration) please check out the MyOSD Sampling tutorial for instructions:

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<http://youtu.be/1lhDdPbzuTs>

## Annex: EyeOnWater-Colour App

Water colour is a result of substances that are either suspended or dissolved in the water column. Green colouration of the water is usually caused by microorganisms which carry out photosynthesis and are hence responsible for oxygen-production. In estuaries, the inflow of rivers to the sea with a lot of sediment and can be observed by brown colours. You can determine water colour in a rapid and easy way with the EyeOnWater-Colour App.

The App is freely available for Android Smartphones and iPhones.

<https://play.google.com/store/apps/details?id=nl.maris.citclops.crosswalk>

<https://itunes.apple.com/us/app/eyeonwater-colour/id1021542366?mt=8>.



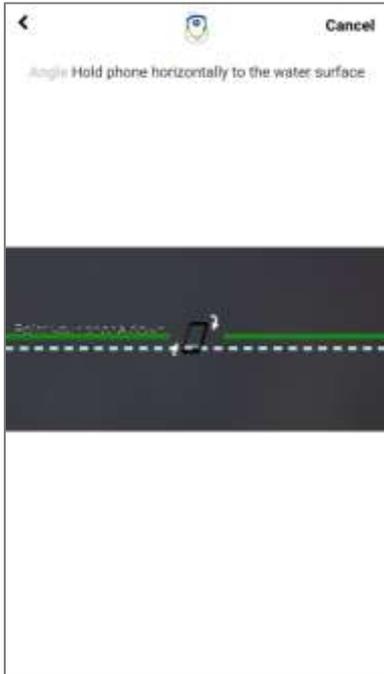
Upload the EyeOnWater-Colour App

- You can immediately start to use the App.
- It is important to activate and receive a GPS signal during measurements.
- As soon as you have internet connection, data will be automatically uploaded to the server. You can conduct measurements without an internet connection.
- You can conduct measurements anonymously, or create a user account and log in for a more personalised experience. You can (but not need to) use your MyOSD nickname or MyOSD number.
- The App is available in English only.



User instructions are integrated into the App (How to use the App).

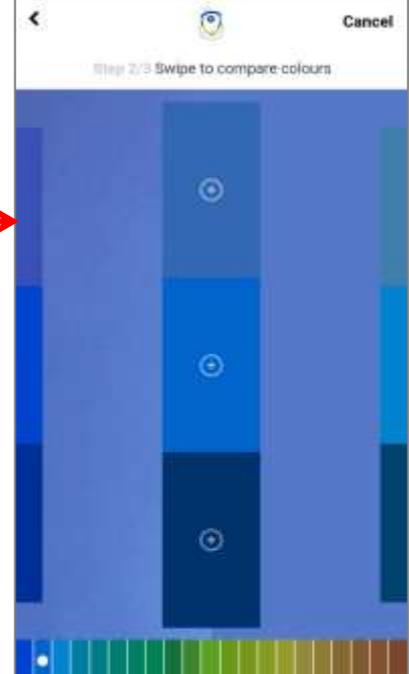
- You can measure water colour only if the bottom is not visible (otherwise colour will be determined by the substrate).
- In case the sun is shining, please try to have it in your back or side, to prevent sun-glint on your picture.
- You will get a good judgement on a good visibility of colour, soon, so do not worry.
- Please use the App on 21. June.
- In addition, you can use the App anytime before and/or after the 21 June.



Keep your smartphone in a flat angle to take a photo of the water surface.



Take a photo of the water surface. Zoom into the part of the image, in which the water colour is represented best.



Choose the colour bar, which comes closest to the water colour on your image fraction. You can also directly compare the colour with the water surface.



Please answer three questions, press send and receive an automated feedback.



As soon as you connect your device to the internet, your measurement will be uploaded to the EyeOnWater server.

- You can view your measurement immediately on: [www.EyeOnWater.org/color](http://www.EyeOnWater.org/color).
- Images from 21 June will be presented also on the MyOSD website.



*The EyeOnWater concept was developed within the EU FP7 project Citclops (citizens' observatories for coast and ocean optical monitoring).*