

# Introduction to repositories

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## Let's recap

So far, you have learned about:

1. open data
2. research data management
3. introduction to GitHub
4. setting up a data repository (netcdf)

## In this session you will learn about

- ▶ Data repository and
- ▶ The OSF

# What is data repository

- ▶ Data repository is a warehouse for your data: a place where you can store your data safely
- ▶ With permanent/persistence link (or DOI)
- ▶ Accessible (depends on your authorization) and searchable by other (indexed by crawlers)

# Example of data repository

Here are some examples of popular repositories:

- ▶ GitHub would be one example, especially for storing codes.
- ▶ OSF: a free open repository by Center for Open Science.
- ▶ Zenodo: a free open repository by CERN.
- ▶ Figshare: a freemium open repository by Digital Science.
- ▶ Dataverse Project: a free open repository by Harvard University.
- ▶ Pangaea: a free open repository for earth and environmental science.
- ▶ and more of them that can be searched from OpenDOAR database.

# Why OSF?

We choose the OSF because:

- ▶ it could be used in the whole research cycle.
- ▶ it has a very flexible project folder: easy to create, manage, and preserve.
- ▶ it offers persistence link.
- ▶ it integrates multiple online services.

# Landing page

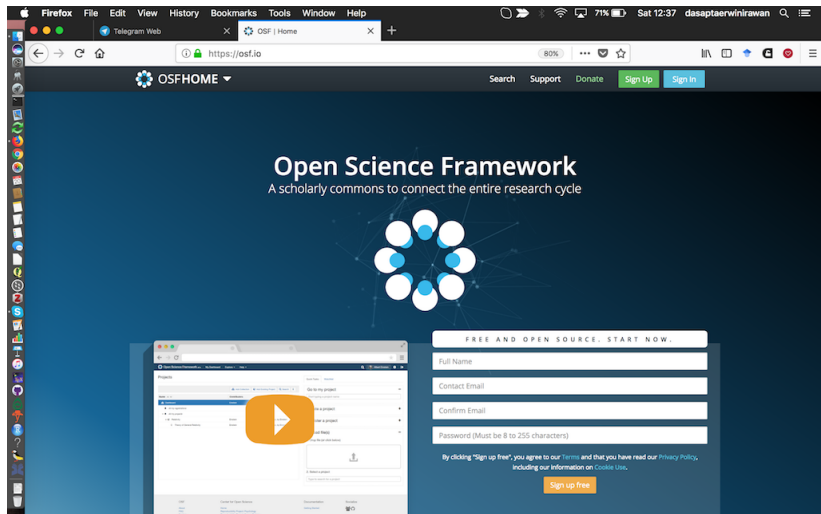
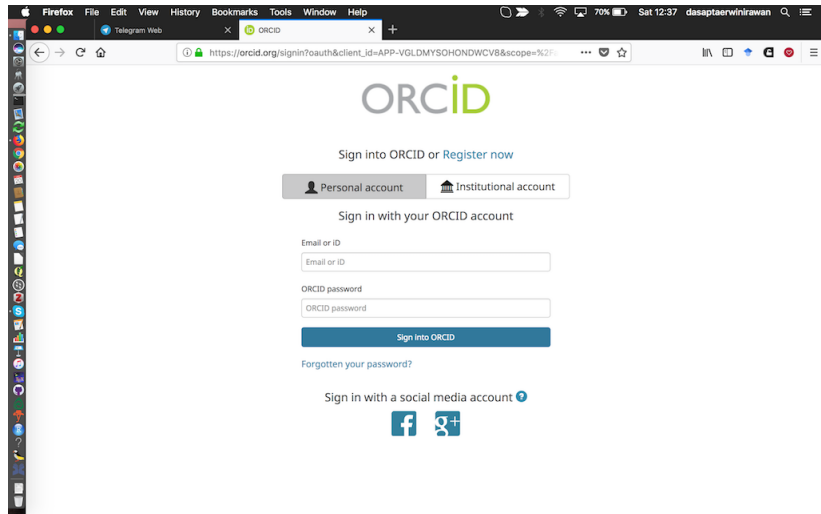


Figure 1: landing page

## Signup page

You can signup using plain email, but if you maintain an ORCID, then you should use it.



The screenshot shows the ORCID.org website in a Firefox browser window. The address bar displays the URL: `https://orcid.org/signin?oauth&client_id=APP-VGLDMYSOHONDWCVB&scope=%2F`. The page features the ORCID logo at the top, followed by the text "Sign into ORCID or [Register now](#)". Below this, there are two tabs: "Personal account" (selected) and "Institutional account". The main heading is "Sign in with your ORCID account". There are two input fields: "Email or ID" and "ORCID password". A blue button labeled "Sign into ORCID" is positioned below the password field. A link for "Forgotten your password?" is located below the button. At the bottom, the text "Sign in with a social media account" is followed by Facebook and Google+ icons.

Firefox File Edit View History Bookmarks Tools Window Help

Telegram Web ORCID

[https://orcid.org/signin?oauth&client\\_id=APP-VGLDMYSOHONDWCVB&scope=%2F](https://orcid.org/signin?oauth&client_id=APP-VGLDMYSOHONDWCVB&scope=%2F)

ORCID

Sign into ORCID or [Register now](#)

Personal account Institutional account

Sign in with your ORCID account

Email or ID

Email or ID

ORCID password

ORCID password

Sign into ORCID

[Forgotten your password?](#)

Sign in with a social media account

f g+



# Profil page

You should do this to amplify your profile.

The screenshot shows a web browser window displaying the OSFHOME profile page for Dasapta Erwin Irawan. The browser's address bar shows the URL <https://osf.io/profile/>. The page header includes the OSFHOME logo and navigation links: My Projects, Search, Support, and Donate. The user's name, Dasapta Erwin Irawan, is prominently displayed next to their profile picture. Below the name, it indicates the user has 2138 activity points and 113 projects, 69 public. The page is divided into several sections: a 'Public projects' section featuring a project titled 'GEOWISATA SEBAGAI MODEL PEMANFAATAN KEKAYAAN GEOLOGI YANG BERWAWASAN LINGKUNGAN', and a 'Public components' section featuring 'Slide Decks' by COS Ambassadors. A 'Social' tab is active, showing a list of links and identifiers including Personal websites, ORCID, Twitter, GitHub, ImpactStory, and Google Scholar.

Firefox File Edit View History Bookmarks Tools Window Help

Telegram Web x OSF | Dasapta Erwin Irawan x +

https://osf.io/profile/ 80% ... ☆

OSFHOME My Projects Search Support Donate Dasapta Erwin Irawan

Dasapta Erwin Irawan [Edit your profile](#)

Member Since 2016-09-01  
Public Profile osf.io/he3j7

2138 activity points  
113 projects, 69 public

**Public projects**

**GEOWISATA SEBAGAI MODEL PEMANFAATAN KEKAYAAN GEOLOGI YANG BERWAWASAN LINGKUNGAN**

**Public components**

**Slide Decks**  
COS Ambassadors / Slide Decks  
Bowman, Nosek, Sallans & 226 more

**Social** Employment Education

Personal websites <http://dasaptaerwin.net>  
<http://derwinirawan.wordpress.com>  
<https://medium.com/open-science-indonesia>

ORCID 0000-0002-1526-0863

Twitter dasaptaerwin

GitHub dasaptaerwin

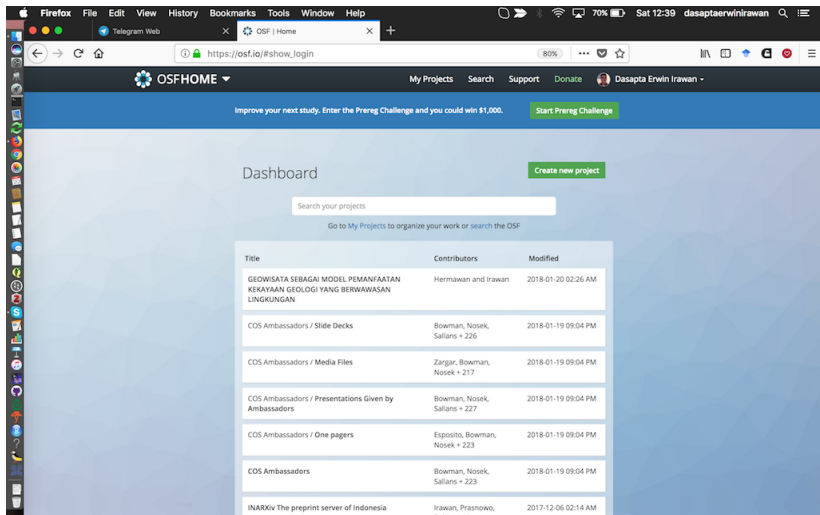
ImpactStory u/0000-0002-1526-0863/

Google Scholar Myvc78MAAAJ&view\_op=list\_works&authuser=1&sortby=pubdate&cstart=20&pagesize=20

Figure 3: landing page

# Project page

Here's the list of your projects



The screenshot shows the OSFHOME dashboard in a Firefox browser window. The browser's address bar displays `https://osf.io/#show_login`. The OSFHOME header includes navigation links for 'My Projects', 'Search', 'Support', and 'Donate', along with the user's name 'Dasapta Erwin Irawan'. A blue banner promotes the 'Prereg Challenge' with a 'Start Prereg Challenge' button. The main content area is titled 'Dashboard' and features a 'Create new project' button and a search bar labeled 'Search your projects'. Below the search bar, a message states 'Go to My Projects to organize your work or search the OSF'. A table lists several projects with their titles, contributors, and modification dates.

Title	Contributors	Modified
GEOVISATA SEBAGAI MODEL PEMANFAATAN KEKAYAAN GEOLOGI YANG BERWAWASAN LINGKUNGAN	Hermawan and Irawan	2018-01-20 02:26 AM
COS Ambassadors / Slide Decks	Bowman, Nosek, Sallans + 226	2018-01-19 09:04 PM
COS Ambassadors / Media Files	Zargar, Bowman, Nosek + 217	2018-01-19 09:04 PM
COS Ambassadors / Presentations Given by Ambassadors	Bowman, Nosek, Sallans + 227	2018-01-19 09:04 PM
COS Ambassadors / One pagers	Esposito, Bowman, Nosek + 223	2018-01-19 09:04 PM
COS Ambassadors	Bowman, Nosek, Sallans + 223	2018-01-19 09:04 PM
INARKiv The preprint server of Indonesia	Irawan, Prasnowo, <small>Prasnowo + 11</small>	2017-12-06 02:14 AM

Figure 4: landing page

## Creating project

- ▶ It's worth the time to complete all the box, because it creates the metadata of your project.
- ▶ You may choose to make it public or private.
- ▶ You also may set a DOI for your project.

# Creating project (2)

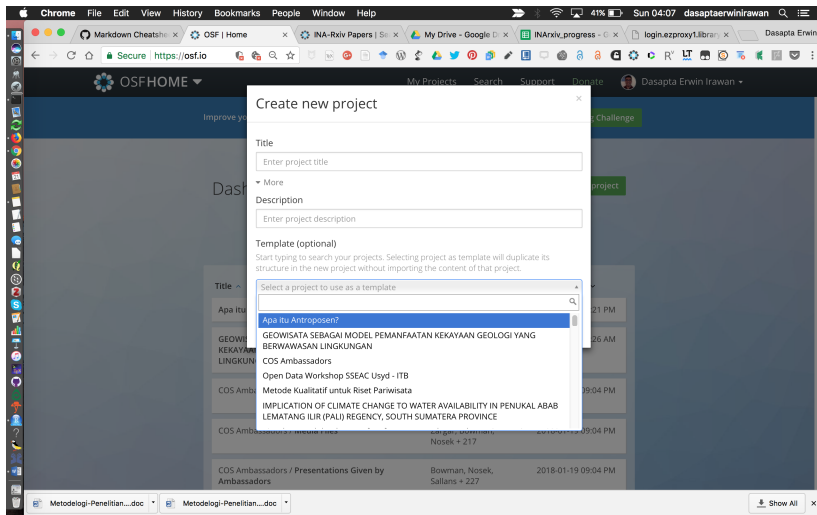


Figure 5: creating\_project

# Repository page

The screenshot shows a web browser window with the address bar displaying `https://osf.io/9jqxy/`. The page title is "OSFHOME" and the subtitle is "INARXiv The preprint server of Indonesia". The page is organized into several sections:

- Header:** Includes navigation links like "My Projects", "Search", "Support", and "Donate".
- Project Information:** Lists contributors (Dasapta Erwin Irawan, M Adhi Prasnowo, Robbi Rahim, Andri Prasno, Nuning Kurniasih, Lusi Dwi Putri, Imas Sritana Wardani, Juneman Abraham, Heri Nurdianto, Eko Susanto, Tantowi Eko Prayogi), creation date (2017-10-28 04:52 AM), last update (2017-12-06 02:14 AM), and identifiers (DOI 10.17605/OSF.IO/9JQXY, ARK C7625/osf.io/9jqxy).
- Description:** A brief overview of the repository's purpose and license (CC-BY Attribution 4.0 International).
- Wiki:** A section for project documentation, listing folders like "slide presentasi", "poster", "leaflet", "video", and "di yg berkaitan dengan INARXiv dan OSF".
- Files:** A table listing files stored in Google Drive, including "INARXiv.gsheet", "INARXIV\_TAQ.gsheet", "INARXiv\_Panduan aktivasi DOI.gslides", "INARXiv\_Panduan mengunggah makalah.gslides", and "INARXiv\_progress.gsheet".
- Citation:** A section for citing the project, with a citation string "osf.io/9jqxy".
- Components:** A section for adding components to the project.
- Tags:** A section for adding tags to the project, with tags like "INARXIV", "open access", "open data", "open science", "preprint server of Indonesia", and "add a tag".
- Recent Activity:** A list of recent updates, including adding contributors, files, and panduan (guides) to the repository.

Figure 6: repository\_page

## Project description (wiki)

- ▶ You can add description or a set of description in you project, in Markdown.
- ▶ In fact, you could write the whole report directly in you project page.

# Project description (wiki) (2)

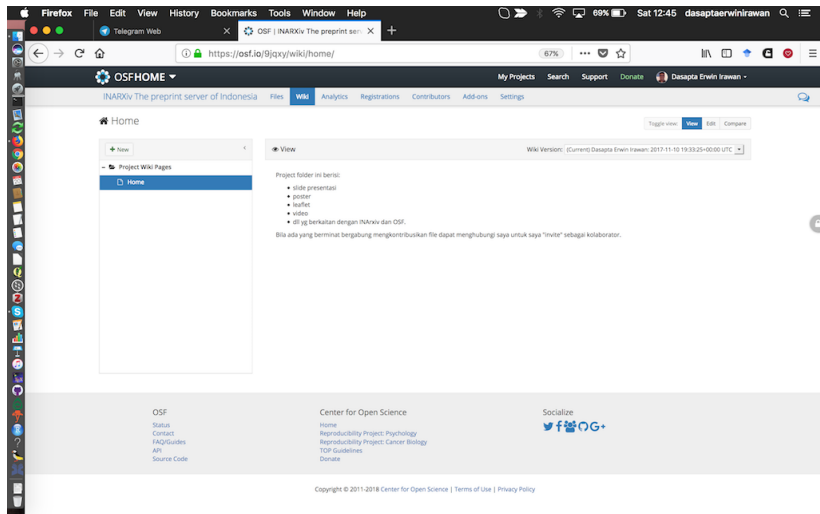


Figure 7: project\_wiki

## Integrate other services (if you have one)

- ▶ If you maintain other service previously, you can add it to your project repository.
- ▶ You can choose which folder to correspond to your project.



# Integrate other services (if you have one) (2)

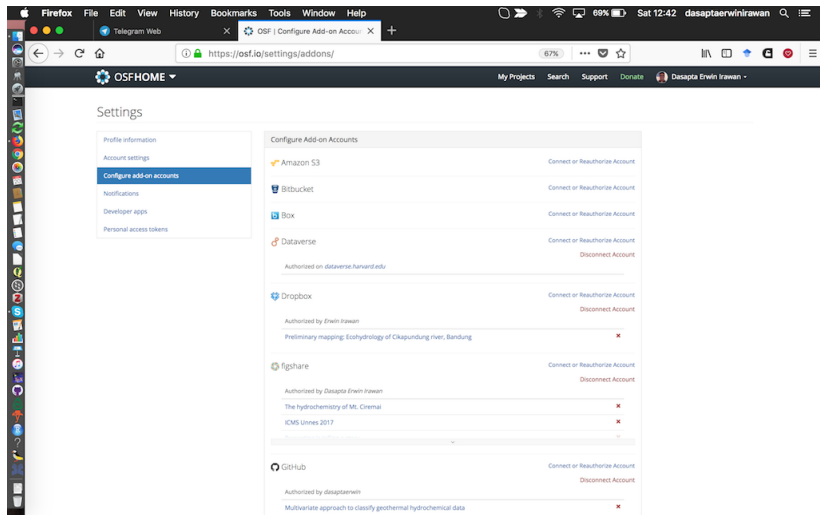


Figure 8: add\_ons

# Measuring visitors

- ▶ You can observe your visitors and how you can amplify your impact to the society.
- ▶ The sum of your visitor, what platform that drive them to visit, etc.

# Measuring visitors (2)

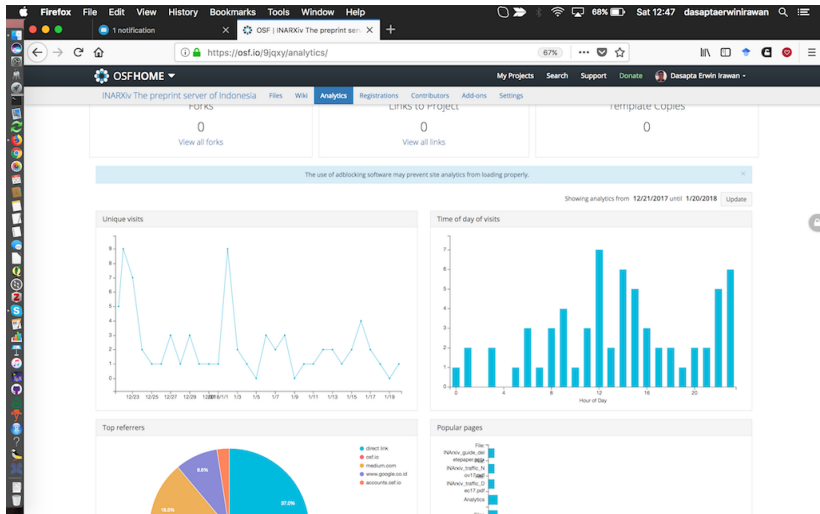


Figure 9: analytics