Open Science Framework

A practical guide



Antonio Schettino, Ph.D. Coordinator OSC Rotterdam Erasmus Research Services

schettino@eur.nl

frafus,



OUTLINE



- Who am I?
 - Scientific background
 - Expertise in OS practices
 - My job at Erasmus Research Services (ERS)
- Introduction to COS and OSF
 - What is the Center for Open Science (COS)
 - What is the Open Science Framework (OSF)?
 - Why is the OSF useful?
- OSF: Hands-on session
 - Browse a personal account
 - Create a project







WHO AM I?





SCIENTIFIC BACKGROUND



- Cognitive and affective electrophysiologist
- Emotion attention vision prediction
- EEG
 - ERP SSVEP
 - Topographical Analysis
 - Source Localization
- Statistics
 - Mass univariate analysis
 - Bayesian (multilevel) modeling





EXPERTISE IN OPEN SCIENCE



- Public sharing of EEG and behavioral data & analysis scripts
- Preprints on PsyArxiv
- Publications in *OA journals*
- Adopter of open source software (for research and personal use)
- Talks and workshops on open and reproducible science
- Co-recipient of OSF Preregistration Challenge prize





MY JOB



part of **ERASMUS RESEARCH SERVICES**

- facilitate communication between researchers interested in OS
- organize events and workshops on OS
- advertise OS activities on social media
- support individual researchers and teams with day-to-day activities





OSC ROTTERDAM TWITTER



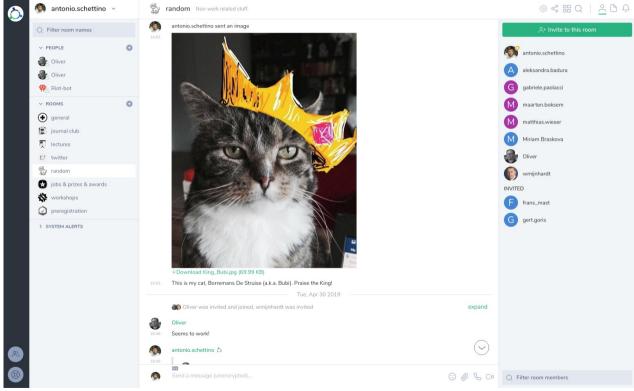






OSC ROTTERDAM RIOT.IM









OSC ROTTERDAM OPENSCIENCE-ROTTERDAM.COM







Who are we?

Open Science Community Rotterdam (OSCR) comprises of academics and support staff working at Erasmus University Rotterdam (EUR) and Erasmus Medical Center (ErasmusMC). Our common goal is to promote and adopt open and transparent scientific practices at every stage of the research cycle, from the initial idea to the final product. For further details, please check out our Code of Conduct.

OSCR is part of a growing national network of communities including Amsterdam, Eindhoven, Groningen, Leiden, Nijmegen, Tilburg, and Utrecht.

About this website

Check out News to find recent posts on different topics and announcements. Click on People or browse through the Tags to discover the members of the community and their expertise.

Contact

The coordinator of the OSCR is Antonio Schettino. For inquiries, please contact us via email at info@openscience-rotterdam.com.







INTRODUCTION TO COS AND OSF

L'afus



DISCLAIMER



- This overview is largely inspired by COS webinars and workshops
- Perspective of experienced end-user, not developer
 - official guides on how to use the OSF
 - tech support: support@osf.io
 - other questions/comments: contact@osf.io





CENTER FOR OPEN SCIENCE



Mission

increase openness, integrity, and reproducibility of research

Activities

- Metascience Acquiring evidence to encourage change
- Infrastructure Building technology to enable change
- *Training* Disseminating knowledge to enact change
- *Incentives* Providing reasons to embrace change
- Community Fostering connection and inclusion to propagate change

source:

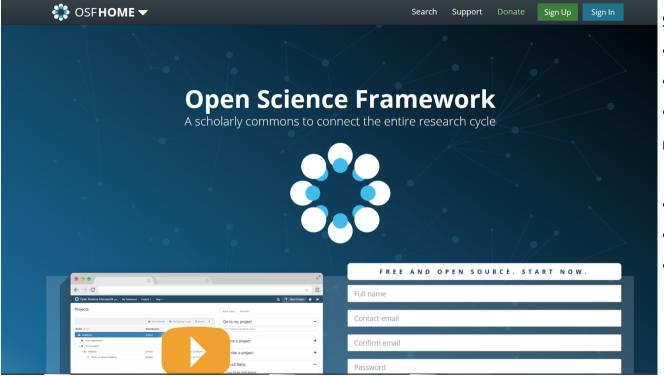
https://osf.io/x2w9h/

Ezafus,



OPEN SCIENCE FRAMEWORK





System to help researchers

- manage
- document
- (optionally) share
 research output & workflow
- free
- open source
- all disciplines

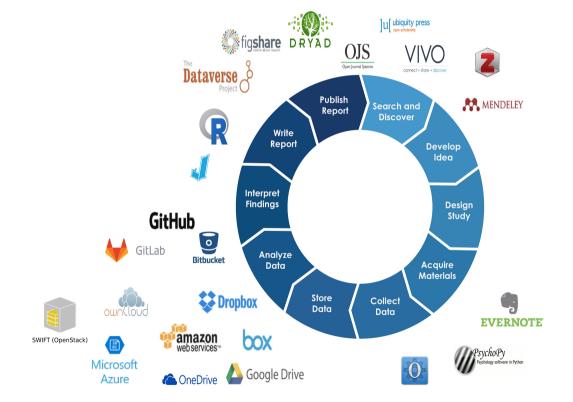
https://osf.io/

Erofus,



THE RESEARCH LIFECYCLE





source: https://osf.io/gx6vs/

(zafus







HANDS-ON SESSION





LOG IN









LOG IN





Sign in with your OSF account to continue

(D)	Sign in with ORCID
血	Sign in through institution
	—— OR ————
schettin	o@eur.nl
***********	•••••
***********	SIGN IN

https://orcid.org/

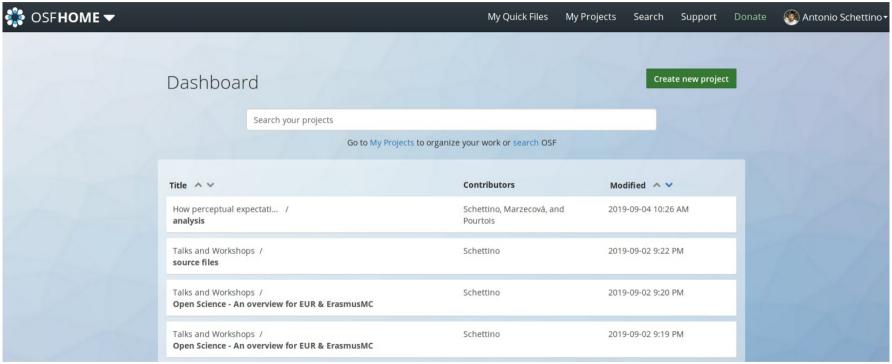
EUR Institutions page not yet available

(Zafus



LOG IN



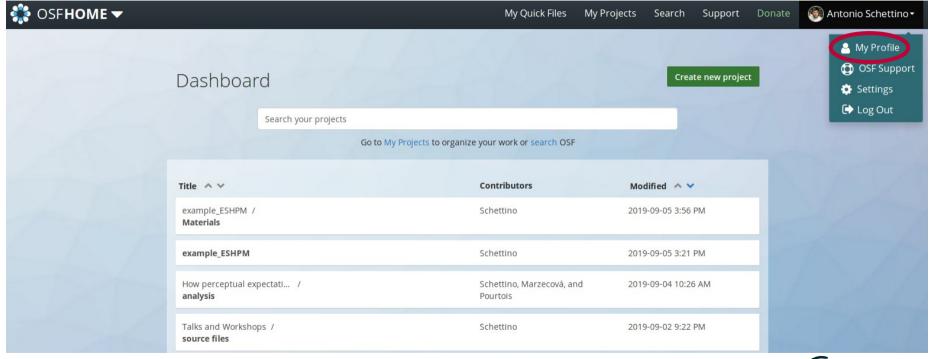






BROWSE OSF USER PROFILE



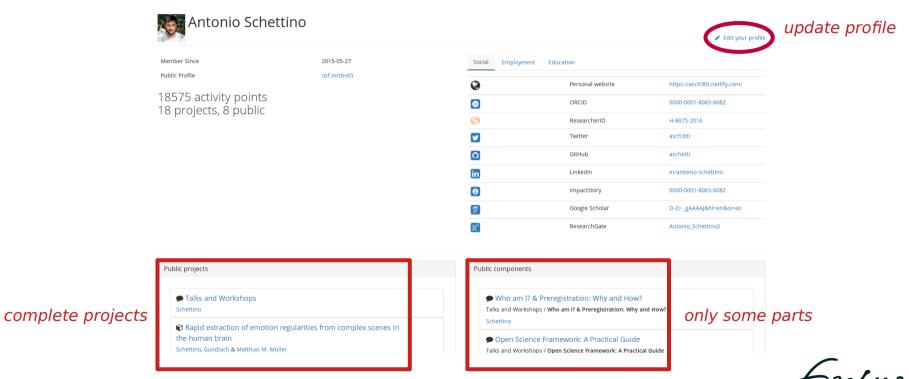






BROWSE OSF USER PROFILE

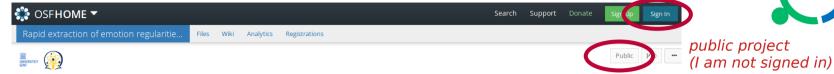






EXAMPLE PUBLIC PROJECT





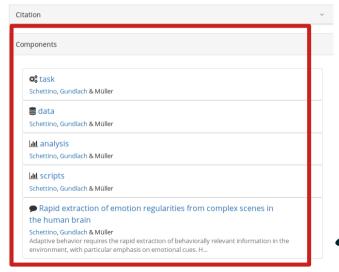
Rapid extraction of emotion regularities from complex scenes in the human brain

these authors have OSF accounts Contributors Antonio Schettino, Christopher Gundlach, Matthias M. Müller OSF Institutions pages Affiliated institutions Universiteit Gent, Institute for Globally Distributed Open Research and Education (IGDORE) Date created: 2017-05-08 02:33 PM | Last Updated: 2019-01-09 09:59 AM Identifier DOI 10.17605/OSF.IO/9DCSM | ARK c7605/osf.io/9dcsm | persistent identifiers (findable via search engines, e.g., Google) Category: Project License: CC-By Attribution 4.0 International

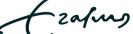
project description

Rapid extraction of emotion regularities from complex scenes in the human brain Data, materials, and analysis scripts of the manuscript submitted for publication. This master component contains the following sub-components: . task: Matlab scripts for picture presentation in the main task (flickering stimulation) and post-. data: raw and preprocessed data of the main experiment and...

Files G. Q Filter i Modified 🔥 Rapid extraction of emotion regularities from complex scenes in t... OSF Storage (United States) 21 - 💍 OSF Storage (United States)



components within the project

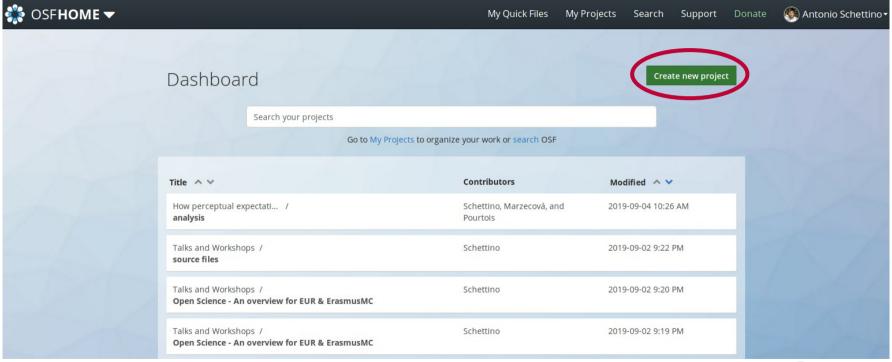


files



CREATE NEW PROJECT









CREATE NEW PROJECT

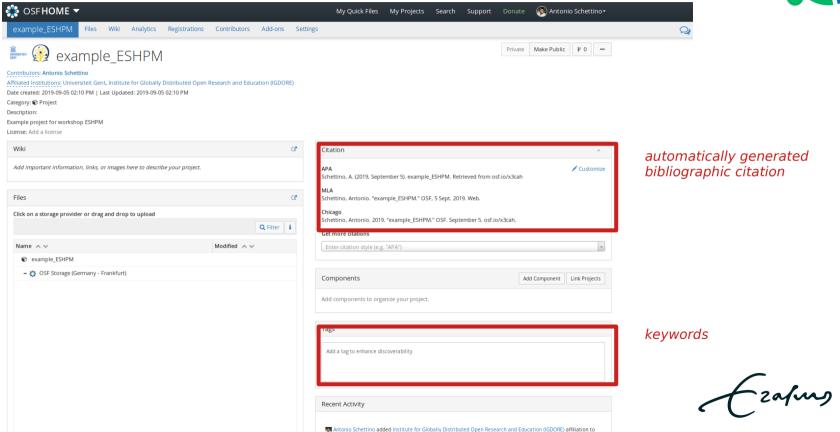


\$\$ OSF HOME ▼	7.0	My Ouick Files My Proj	ects Search Support D	onate Antonio Schettino •
-11 10	-7	Create new project	×	16-37-58
D	ashboard	Title example_ESHPM	Create new project	
	Search	Affiliation Select all Remove a		
10 No.	1	😥 💺 European servers	10000	
Tit	ile ^ v	Storage location	dified ^ 🗸	
How per analysis	ow perceptual expectati	Germany - Frankfurt	9-09-04 10:26 AM	
	inalysis .	▼ More		
	alks and Workshops / ource files	Description Example project for workshop ESHPM	9-09-02 9:22 PM	
Talks and Workshops / Open Science - An ove		Template (optional) Start typing to search your projects. Selecting project as template will duplicate its structure in the new project without importing the content of that project.	9-09-02 9:20 PM	
	alks and Workshops / pen Science - An overvic	Select a project to use as template	+09-02 9:19 PM	
т.	alks and Workshops	Cancel	09-02 2:35 PM	
	ow perceptual expectati ilot 4b_march2019	/ Scnettino, marzecova, and Pourtois	2019-08-15 11:37 AM	



CREATE NEW PROJECT



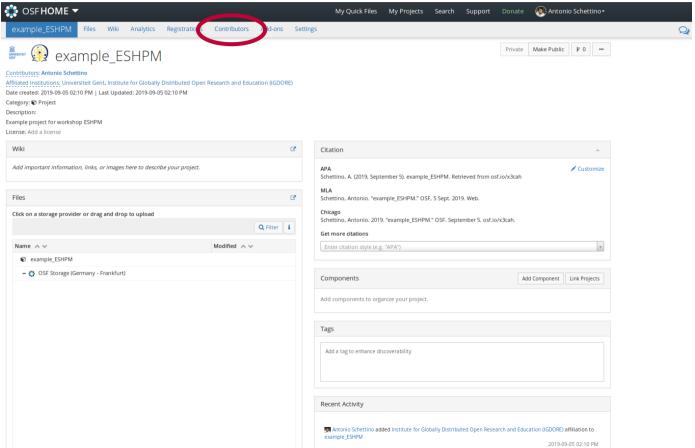


2019-09-05 02:10 PM

example_ESHPM



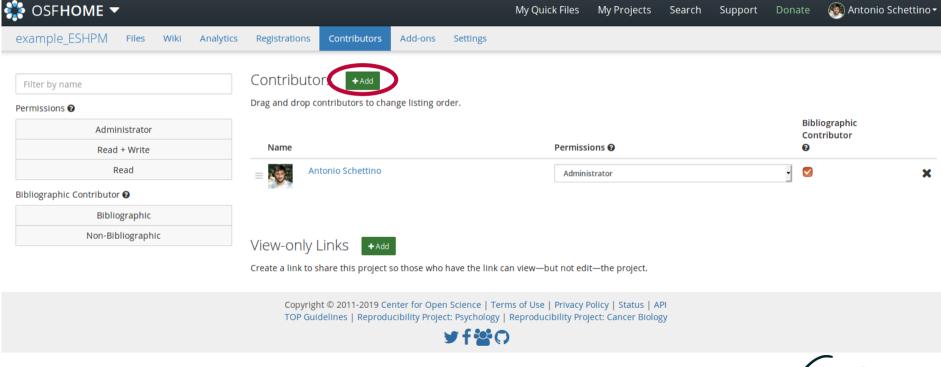








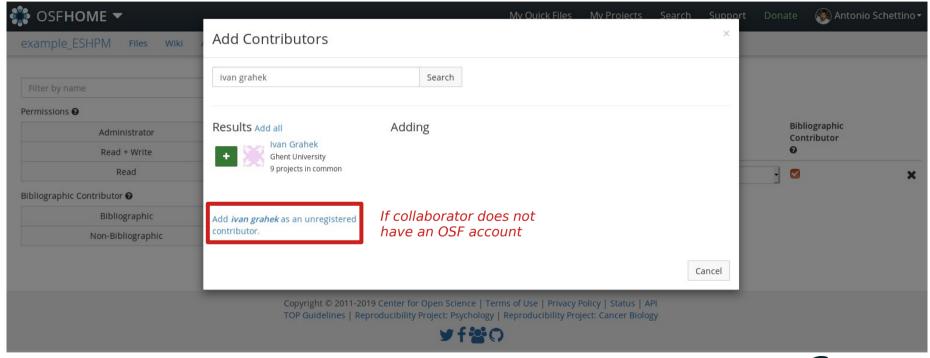








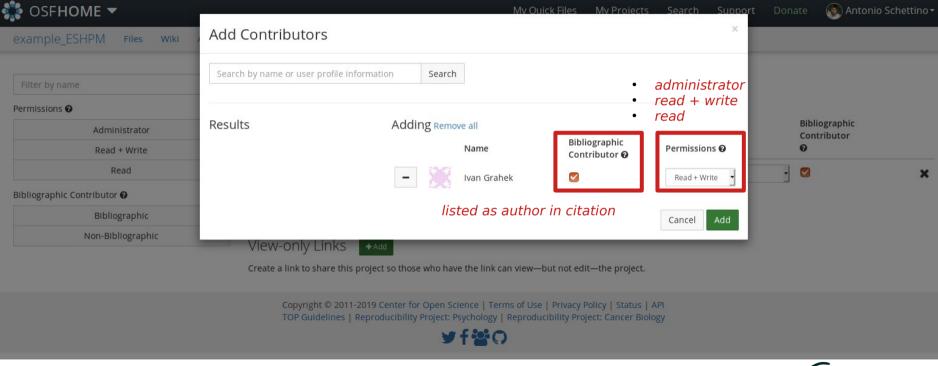
















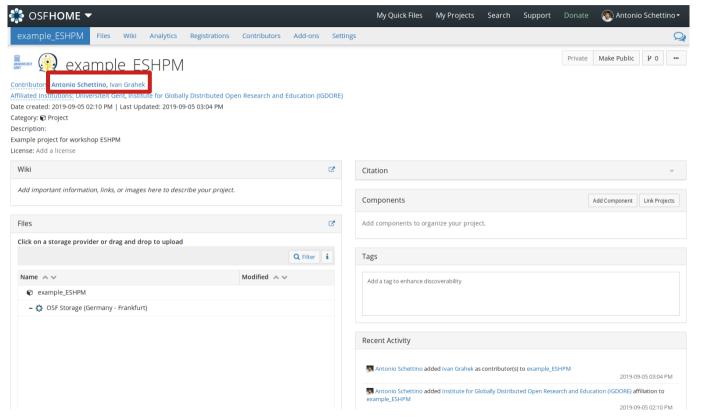


🎇 OSF HOME ▼		My Quick Fil	es My Projects	Search	Support	Donate	Antonio Schettino
example_ESHPM Files Wiki Analytics	Registrations Contributors Add-ons	Settings					
Filter by name Permissions ②	Contributors +Add Drag and drop contributors to change listing ord	der.					
Administrator Read + Write	Name	Per	nissions 😯				iographic tributor
Read	≡ Antonio Schettino	A	dministrator			-	×
Bibliographic Contributor ⊕ Bibliographic	≡ Ivan Grahek	R	ead + Write			. 🗸	×
Non-Bibliographic							
	View-only Links +Add Create a link to share this project so those who had	nave the link can view—but no	t edit—the project.				
	Copyright © 2011-2019 Center for Open TOP Guidelines Reproducibility Projec						







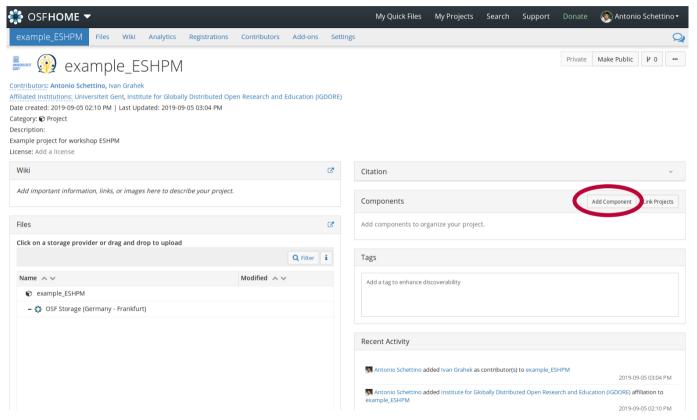






ADD COMPONENT









ADD COMPONENT



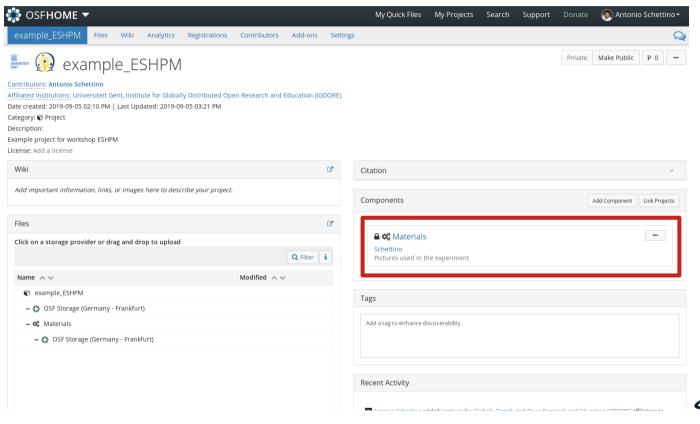
 OSF HOME ▼	Mv Ouick Files Mv Prois	ects Search Support Donate 🚱 Antonio Schettino 🕶
example_ESHPM Files Wiki Analytics Registr		×
Administed institutions: Onliversiteit Gent, institute for Grobany District Date created: 2019-09-05 02:10 PM Last Updated: 2019-09-05 03:21 Category: Project Description: Example project for workshop ESHPM License: Add a license Wiki		all
Add important information, links, or images here to describe your		Add Component Link Projects
Files	Add contributors from example_ESHPM Admins of example_ESHPM will have read access to this component.	ct.
Click on a storage provider or drag and drop to upload Name A V	✓ Add tags from example_ESHPM License This component will inherit the same license as example_ESHPM. Learn more. * More	
example_ESHPM — OSF Storage (Germany - Frankfurt)	Description	
, sough (committy)	Pictures used in the experiment Category (for descriptive purposes) 66 Procedure Cancel Create	as contributor(s) from example_E5HPM 2019-09-05 03:21 PM
	Antonio Schettino added Ivan Gral	nek as contributor(s) to example_ESHPM 2019-09-05 03:04 PM
	Antonio Schettino added Institute example_ESHPM	for Globally Distributed Open Research and Education (IGDORE) affiliation to 2019-09-05 02:10 PM
	💹 Antonio Schettino added Universit	eit Gent affiliation to example_ESHPM 2019-09-05 02:10 PM





ADD COMPONENT



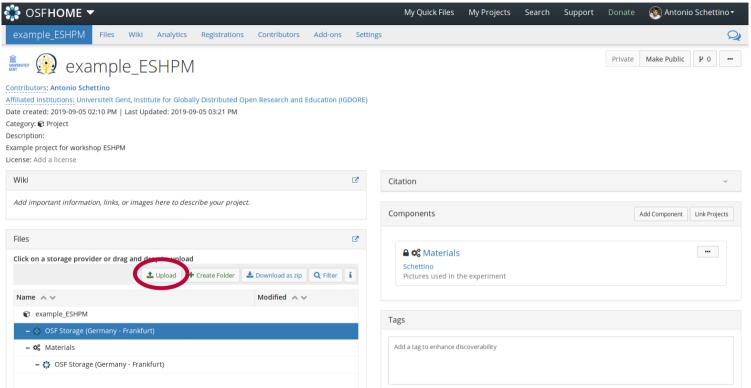






UPLOAD FILES







UPLOAD FILES



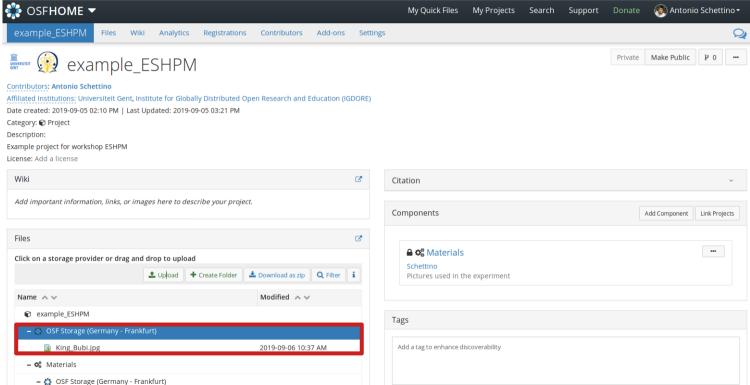
 OSF HOME ▼		My Quick Files	My Projects	Search Support	Donate ⊗ Antonio Schettino →
example_ESHPM Files Wiki Analytics Registrat	tions Contributors Add-ons Settings				Q
example_ESHPM					Private Make Public P 0
Contributors: Antonio Schettino Affiliated Institutions: Universiteit Gent, Institute for Globally Distribut Date created: 2019-09-05 02:10 PM Last Updated: 2019-09-05 03:21					
Category: ♥ Project	Cancel File Upl	oad	Q Open		
Description: Example project for workshop ESHPM License: Add a license	 ② Recent △ Home Name ✓ Size ☑ Ming Bubi 71,7 kB 	Modified Ki	ng_Bubi.jpg		
Wiki	aschetti				*
ridd importaire information, mind, or images here to describe your,	Documents Music Pictures				Add Component Link Projects
Files	Tildeos		A.		
Click on a storage provider or drag and drop to upload Dipload Create Fok	□ Downloads	3.00	All Files ▼		
Name A V	Modified A V		Authes		
example_ESHPM	Wodified A V				
OSF Storage (Germany - Frankfurt)		Tags			
– Q Materials		Add a tag to enhance dis	scoverability		
- 🛟 OSF Storage (Germany - Frankfurt)					





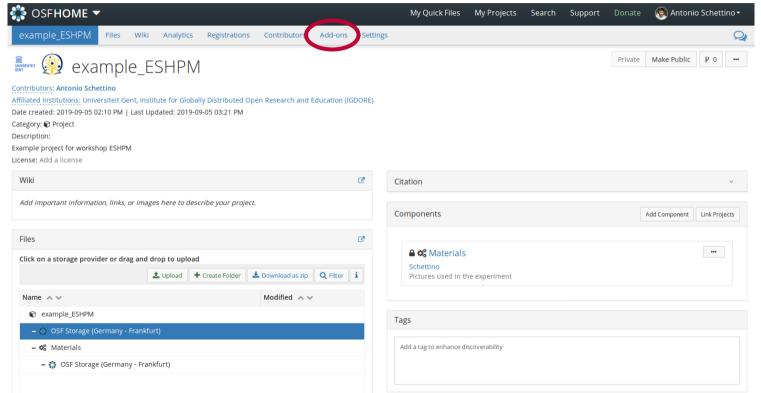
UPLOAD FILES





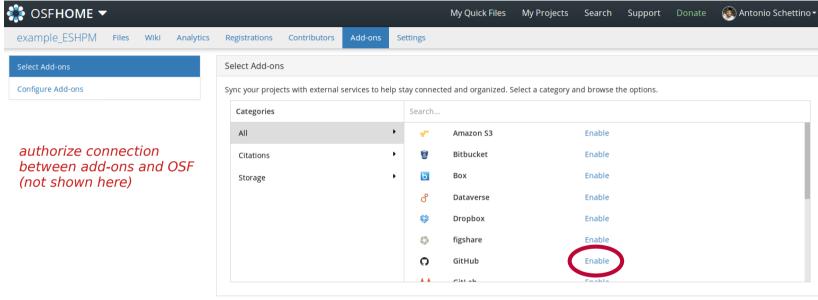












Copyright © 2011-2019 Center for Open Science | Terms of Use | Privacy Policy | Status | API TOP Guidelines | Reproducibility Project: Psychology | Reproducibility Project: Cancer Biology

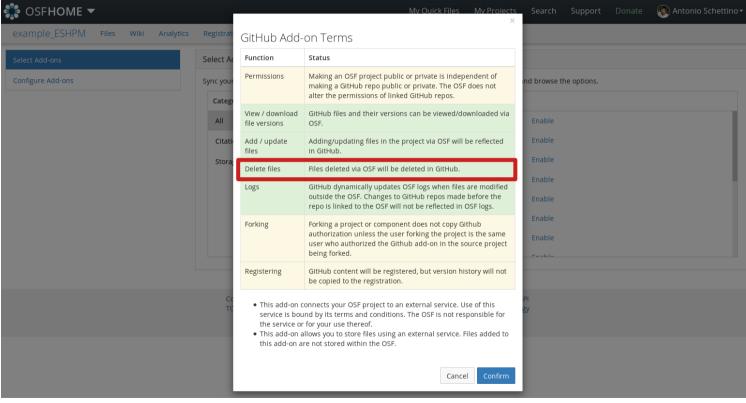








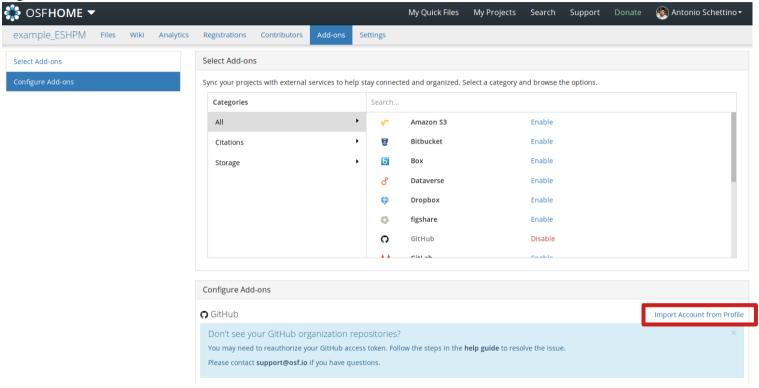
READ CAREFULLY!













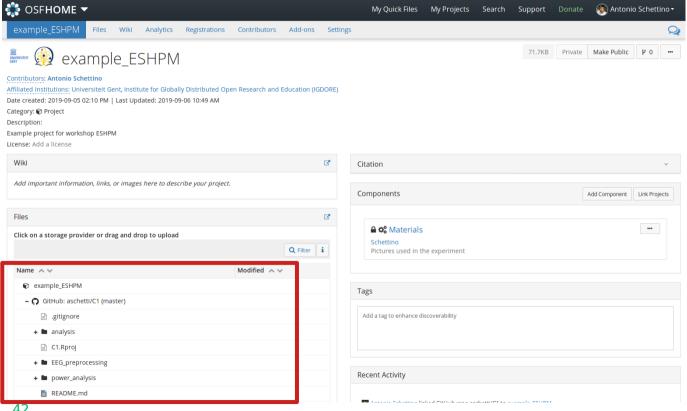


 OSF HOME ▼						ı	My Quick Files	My Projects	Search	Support	Donate	Antonio Schettino ▼
example_ESHPM Files Wiki Ana	alytics	Registrations	Contributors	Add-ons	Settings							
Select Add-ons		Select Add-ons	5									
Configure Add-ons		Sync your projec	ts with external	services to he	p stay con	nected	and organized. S	elect a category a	ind browse t	he options.		
		Categories			Searc	ch						
		All				•	Amazon S3		Enable			
		Citations			• 5		Bitbucket		Enable			
		Storage			• 5		Вох		Enable			
					රී	2	Dataverse		Enable			
					*	}	Dropbox		Enable			
					0)	figshare		Enable			
					C)	GitHub		Disable			
						•	Cittah		Fnabla			
		Configure Add	-ons									
		G GitHub auth	orized by Antoni	o Schettino								Disconnect Account
choose repository	Current Repo:											
and save		aschetti/C1 ▼ Save								Create Repo		
		Don't see your GitHub organization repositories? You may need to reauthorize your GitHub access token. Follow the steps in the help guide to resolve the Issue.										
			to reauthorize yo support@osf.io			. Follow	the steps in the h	i elp guide to reso	olve the issue	ė.		
				,								





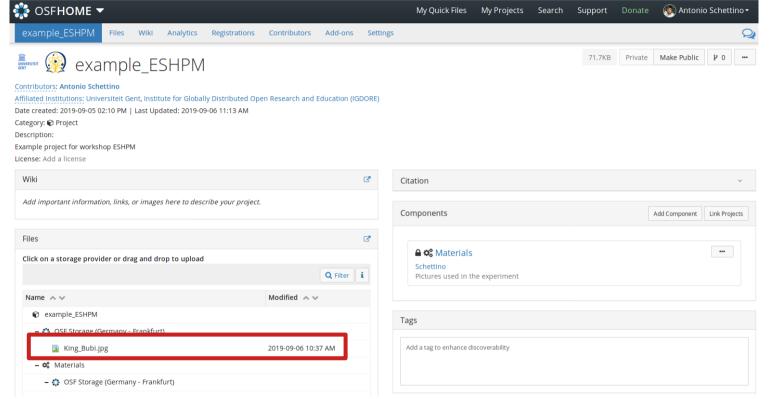








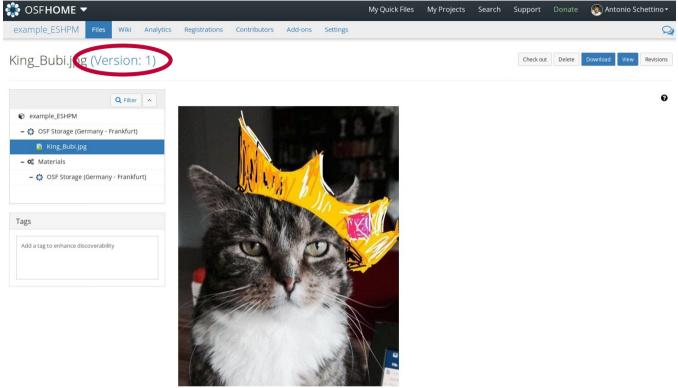








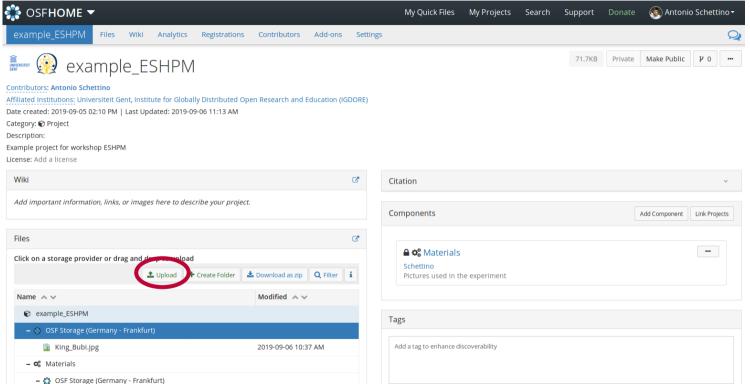
















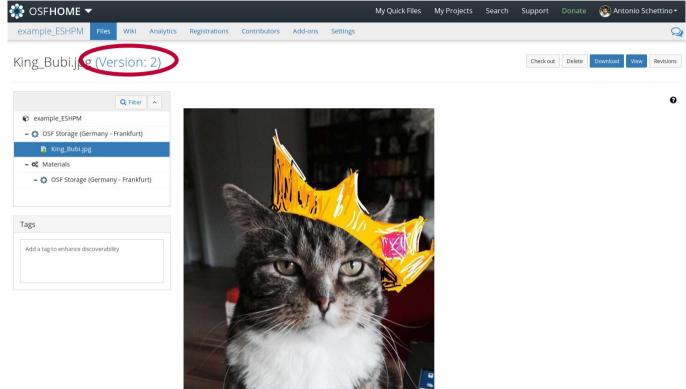


SFHOME ▼				My Quick Fi	ies My Projects S	Search Support Dor	nate (Antonio Schettino →
example_ESHPM Files Wiki Analytics Registrat	ions Contribute	ors Add-ons S	ettings				Q
example_ESHPM						71.7KB Pri	vate Make Public P 0
Contributors: Antonio Schettino Affiliated Institutions: Universiteit Gent, Institute for Globally Distribut Date created: 2019-09-05 02:10 PM Last Updated: 2019-09-06 01:44 Category: Project		***	RE) ile Uploa	d	Q Open	differen	
Files	 ○ Recent △ Home i Desktop ii aschetti ii Documents iii Music iii Pictures iii Videos iii Downloads 	1.png2.png3.png4.png	Size 3,8 MB 4,3 MB 3,9 MB 3,9 MB 22,7 kB 87,7 kB 9,9 MB 4,7 kB	Modified 13:40 13:41 13:42 13:43 13:36 25 jan 7 aug 6 aug di	King_Bubi.jpg All Files ▼	same na	Add Component Link Projects
Name A V	Modified	^~					
example_ESHPM OSF Storage (Germany - Frankfurt)				Tags			
■ King_Bubi.jpg– % Materials– औ OSF Storage (Germany - Frankfurt)	2019-09-06	5 10:37 AM		Add a tag to enha	nce discoverability		







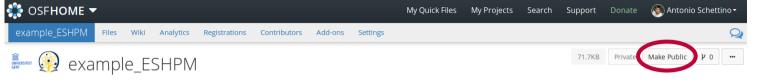






PUBLIC PROJECT





C.

Contributors: Antonio Schettino

Affiliated Institutions: Universiteit Gent, Institute for Globally Distributed Open Research and Education (IGDORE)

Date created: 2019-09-05 02:10 PM | Last Updated: 2019-09-06 11:13 AM

Category: Project

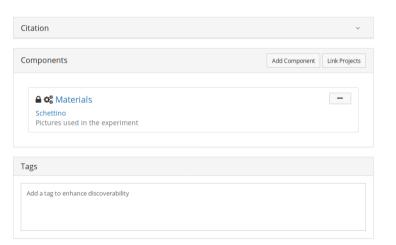
Description:

Wiki

Example project for workshop ESHPM

License: Add a license

Add important information, links, or	images here to describe your proj	ect.
Files		C*
Click on a storage provider or drag	and drop to upload	
	♣ Upload ♣ Create Folder	≛ Download as zip
Name A V		Modified A V
example_ESHPM		
– 🔆 OSF Storage (Germany - Fra	ankfurt)	
King_Bubi.jpg		2019-09-06 10:37 AM
- ♥ Materials		
- 🛟 OSF Storage (Germany -	Frankfurt)	

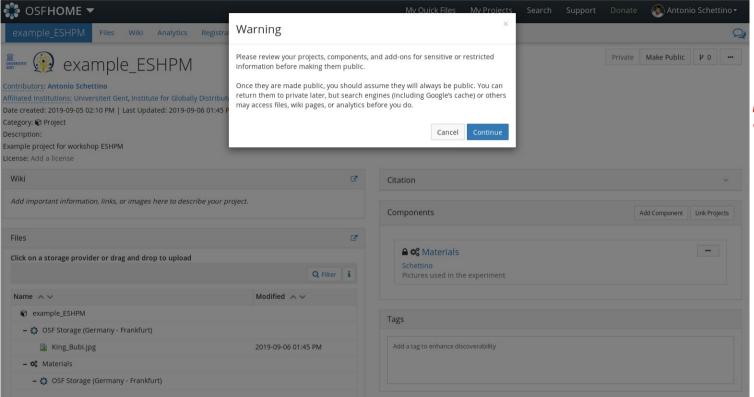






PUBLIC PROJECT





public projects can have a DOI and a license

(zafus