



# GitHub: An Intro

In-House Capacity Building Session

NESREA HQ

Abuja, Nigeria

























30<sup>th</sup> March 2017

# Outline

- What is GitHub?
- Why Use GitHub?
- NESREA on GitHub
- How to Start
- What's Next?

# What is GitHub?

- It's a website
- It's an open-source repository
- It's a social network
- It's a collaborative tool
- It's a peer-review mechanism
- It's a marketing platform
- It's a backup system
- It's an archive

Name	Date modified	Type	Size
 REGISTER ON COMMENTS ON CRR NIGERIA.doc	04/08/2008 13:40	Microsoft Word 9...	97 KB
 RAPPORTEURS ACTIVITY FORM.docx	01/06/2008 17:39	Microsoft Word D...	12 KB
 Rapporteur Roster.vsd	03/06/2008 18:16	Microsoft Visio Do...	208 KB
 Rapporteur Participation in the APRM CRR Events.xlsx	03/06/2008 14:40	Microsoft Excel W...	14 KB
 Nigeria format - 28.05.08.doc	28/05/2008 18:49	Microsoft Word 9...	3,924 KB
 Nigeria format - 28.05.08 (2).doc	15/07/2008 16:45	Microsoft Word 9...	3,953 KB
 LIST OF NWG MEMBERS ACCORDING TO BREAKOUT GROUPS_Annex NW...	04/06/2008 19:10	Microsoft Word 9...	40 KB
 LIST OF FACTUAL ERRORS ON THE PANEL ii.doc	18/07/2008 14:00	Microsoft Word 9...	239 KB
 framewrk rpt.txt	28/05/2008 19:20	Text Document	1 KB
 fctual errors-CRR.docx	15/07/2008 10:58	Microsoft Word D...	14 KB
 DRAFT KEY ISSUES FOR NIGERIA PEER REVIEW_Sharm-el-Sheikh.doc	25/06/2008 19:04	Microsoft Word 9...	104 KB
 Distribution of NWG members for Breakout Session.docx.\$data.Zone.Ident...	17/11/2009 19:01	IDENTIFIER File	1 KB
 Distribution of NWG members for Breakout Session.docx	04/06/2008 10:25	Microsoft Word D...	23 KB
 Committee Buget.xlsx.\$data.Zone.Identifier	17/11/2009 19:01	IDENTIFIER File	1 KB
 Committee Buget.xlsx	31/05/2008 15:15	Microsoft Excel W...	16 KB
 Committee Buget.xls	31/05/2008 15:34	Microsoft Excel 97...	37 KB
 Committee Buget (edit).xlsx	01/06/2008 17:02	Microsoft Excel W...	16 KB
 COMMENTS OF THE GOVENMENT.doc	07/06/2008 22:48	Microsoft Word 9...	266 KB
 Comments APRM.doc.\$data.Zone.Identifier	17/11/2009 19:01	IDENTIFIER File	1 KB
 Comments APRM.doc	04/06/2008 10:24	Microsoft Word 9...	31 KB
 COLLATED COMMENTS ON THE PANEL_edited by Victor Ordu.zip	22/08/2008 13:36	zip Archive	92 KB
 COLLATED COMMENTS ON THE PANEL_edited by Victor Ordu.doc	22/08/2008 13:34	Microsoft Word 9...	160 KB
 COLLATED COMMENTS ON THE PANEL.doc.\$data.Zone.Identifier	17/11/2009 19:01	IDENTIFIER File	1 KB
 COLLATED COMMENTS ON THE PANEL.doc	29/07/2008 19:21	Microsoft Word 9...	153 KB

# Why Use GitHub?



# Why Use GitHub?

- The leading online collaboration platform being used by individuals and corporate bodies
  - Microsoft, Google, Facebook, etc.
- Being used by academics & researchers from diverse fields
- Major businesses are using it
- Government agencies have joined the train



# DEFRA

UK government department responsible for safeguarding our natural environment, supporting our food & farming industry, and sustaining a thriving rural economy.

United Kingdom <https://www.gov.uk/government/organisati...>

Repositories

People 5

Type: All ▾

Language: All ▾

## pafs-user

Project Application and Funding Service Front End code

● Ruby Updated 3 minutes ago



## pafs\_core

Project Application and Funding Service core engine

● Ruby Updated 7 minutes ago



## data-returns-frontend

GOV.uk web interface to support the upload and validation of Data



### Top languages

● Ruby ● JavaScript ● HTML ● CSS  
● Java

### Most used topics

acceptance-testing cucumber  
quke siteprism

### People

5 >



This organization

Search

Pull requests Issues Gist



# U.S. Environmental Protection Agency

<http://www.epa.gov>

Repositories

People 12

Search repositories...

Type: All

Language: All

## SWMM-EPANET\_User\_Interface

Python ★ 33 15 Updated 20 hours ago



## elevatr

R ★ 3 1 Updated 6 days ago



## Microcystinchla



### Top languages

JavaScript HTML R Python PHP

### People

12







This organization

Search

[Pull requests](#) [Issues](#) [Gist](#)




## UNEP-GRID

UNEP - Global Resource Information Database (GRID)

📍 Geneva

🌐 <http://www.grid.unep.ch/>

 Repositories

 People **0**

Search repositories...

Type: All ▾

Language: All ▾

**map-x-jekyll**

● HTML Updated on Jun 16, 2015

Top languages

● HTML

People **0** >

This organization has no public members.  
You must be a member to see who's a part  
of this organization.



This organization

Search


Pull requests

Issues

Gist



# Coca-ColaEnterprises

 Repositories

 People 0

Search repositories...

Type: All ▾

Language: All ▾

## swift-style-guide

Forked from raywenderlich/swift-style-guide


The official Swift style guide for raywenderlich.com.

 1,089 Updated on Feb 29, 2016


## objective-c-style-guide

Forked from raywenderlich/objective-c-style-guide

A style guide that outlines the coding conventions for Coca Cola Enterprises

★ 1  580 Updated on Nov 11, 2015

### Top languages

 Python  CSS

### People

0 >

This organization has no public members.  
You must be a member to see who's a part of this organization.

# NESREA on GitHub

- NESREA has created its own GitHub account and some projects are already hosted there.
- Small ideas can turn into large impactful projects – if we build together.



This organization

Search

Pull requests

Issues

Gist



# NESREA

Repositories

People 5

Teams 1

Projects 0

Search repositories...

Type: All

Language: All

Customize pinned repositories

New

## NESREA\_social

Some customised stuff, specifically tailored for web and social media monitoring for a particular team in a particular organisation.

R ★ 1 2 Updated a day ago



## WMGtraining

Capacity building for NESREA Web Monitoring Group

R 2 Updated 2 days ago

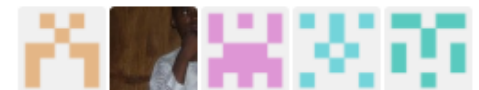


### Top languages

R C++

### People

5 >



Code

Issues 10

Pull requests 0

Projects 0

Wiki

Pulse

Graphs

Some customised stuff, specifically tailored for web and social media monitoring for a particular team in a particular organisation.

207 commits

3 branches

0 releases

1 contributor

GPL-3.0

Branch: master

New pull request









Create new file

Upload files

Find file

Clone or download

BroVic committed on [GitHub](#) Merge pull request #23 from BroVic/master ... Latest commit 58089d6 a day ago

 shinyNESREA	Create a variable to carry file path	8 days ago
 .gitignore	Update .gitignore	22 days ago
 License.md	Create License.md	a month ago
 NESREA_fb_oauth.rds	Renew Access Token	2 months ago
 README.md	Update README.md	4 months ago
 database.R	Initial commit.	3 months ago
 facebook-general.R	Obtain relevant Facebook insights	2 days ago
 sandbox.R	Test for usefulness of geo-location data	14 days ago

# Capacity building for NESREA Web Monitoring Group

39 commits
1 branch
0 releases
1 contributor

Branch: master
New pull request
Create new file
Upload files
Find file
Clone or download

BroVic Merge branch 'master' of https://github.com/BroVic/WMGtraining		Latest commit 6237bd6 2 days ago
presentations	Initial commit	a month ago
scripts	Update to create-vector.R	2 days ago
.gitignore	Update .gitignore	a month ago
README.md	Update README.md	20 days ago
WMGtraining.Rproj	Initial commit	4 months ago

README.md

# WMGtraining

- Code
- Issues 0
- Pull requests 0
- Projects 0
- Wiki
- Pulse
- Graphs

A simple tool for storing and accessing basic information about staff within my office.

77 commits

1 branch

0 releases

1 contributor

Branch: master






New pull request

Create new file

Upload files

Find file

Clone or download

<div>                      BroVic committed on GitHub Apply markup                 </div> <div>Latest commit 1955cee 24 days ago</div>		
<div>                      NESREA_Intercom_Directory                 </div>	Delete files	2 months ago
<div>                      .gitignore                 </div>	Update .gitignore	2 months ago
<div>                      License.md                 </div>	Apply markup	24 days ago
<div>                      README.md                 </div>	Update README.md	a month ago

README.md

# Directory



This repository

Search

Pull requests

Issues

Gist



NESREA / WMGtraining

Unwatch

2

Star

0

Fork

2

Code

Issues 0

Pull requests 0

Projects 0

Wiki

Pulse

Graphs

Branch: master

WMGtraining / presentations / GitHub.pdf

Find file

Copy path



BroVic Initial commit

dad2057 2 minutes ago

1 contributor

645 KB

Download

History





# How to Start

- Sign up for a personal account
- Create your profile
- 'Fork' any repository of interest
- 'Follow' any account of interest
- Read through the documentation

Hands On...

# What's Next?

- GitHub is based on the distributed version control system developed in 2005 by Linus Torvalds, the famous creator of Linux OS
- This program is called **Git**.
- By distributed, we mean that different machines can have local copies of a repository
- To actualize the real power of the system, **we need to install Git on local computers**

# What's Next?

- Go to <http://git-scm.com/>
- Download and install Git – one that is appropriate to your system.
- Visit NESREA's WMGTraining repo to access this presentation
- Any questions/issues should be via the 'Issues' tab



This repository

Search

Pull requests

Issues

Gist

NESREA / WMGtraining

<> Code

Issues 0

Pull requests 0

Projects 0

Wiki

Pulse

Branch: master ▼

WMGtraining / presentations / GitHub.pdf



BroVic Initial commit

1 contributor

645 KB



Wiki

 Pulse

 Graphs

Milestones

New issue

to Issues!

&lt;&gt; Code

! Issues 0


Pull requests 0

Projects 0

Wiki

Pulse

Graphs

 Help, I'm confused

Write

Preview

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How do I use Git in my day-to-day work? @Chiditron

Attach files by dragging & dropping, [selecting them](#), or pasting from the clipboard.

 Styling with Markdown is supported

 Submit new issue

# What's Next?

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  - Emails on this particular session will be redirected to GitHub *Issues*



Final thought...

**If you think  
practice is  
boring...**

**try sitting  
on the  
bench**



Thanks for listening.