CeSGO

An environment for scientific collaboration

Visio INIST – 06/05/2019

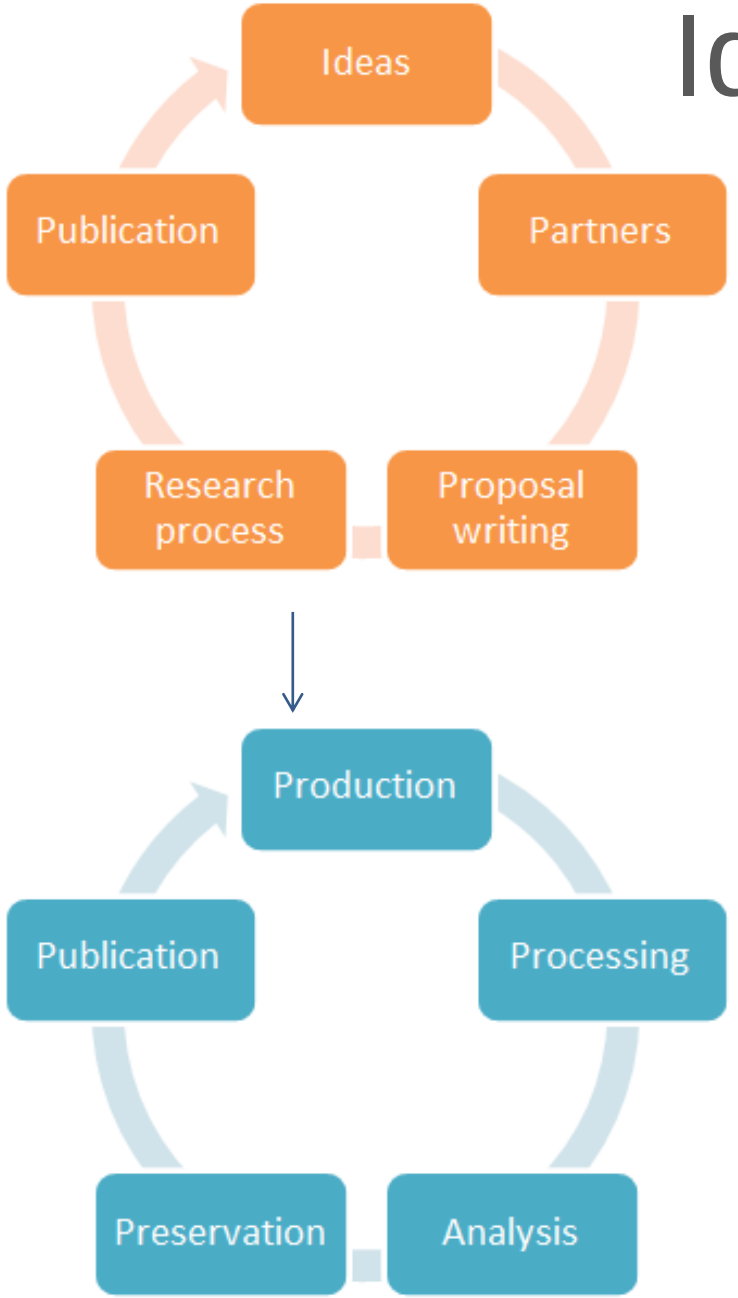
INTRODUCTION

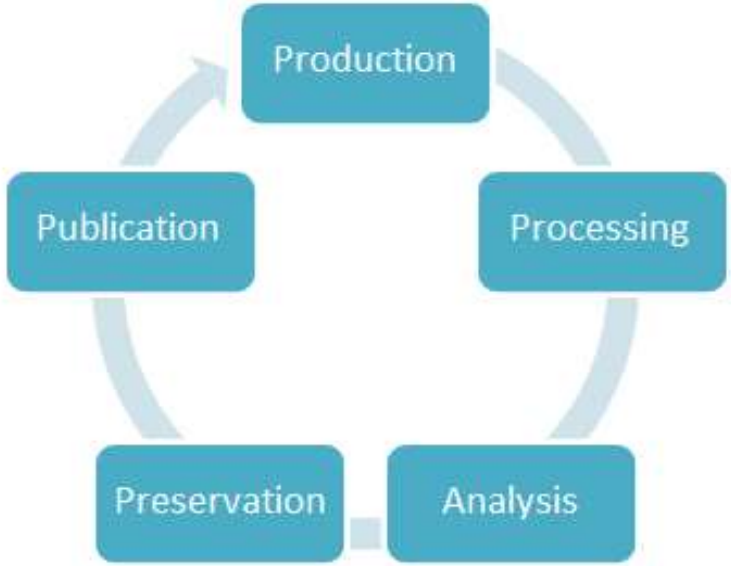
Background

- 2010 : IBiSA funding
  - EMME project
  - First steps on experimental metadata
- 2012 : Région Bretagne et Pays de la Loire funding
  - e-Biogenouest and CeSGO
  - Based on HubZero solution
- 2015 : European funding (CPER)
  - CeSGO v2
  - Five services for projects and data life cycle

Idea

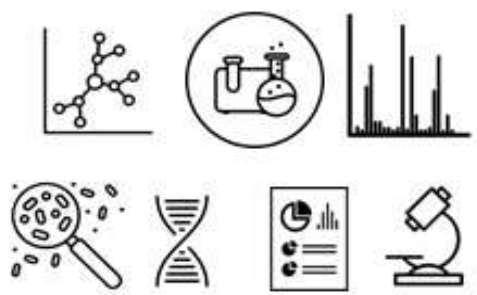
To provide an integrated environment to help scientists to work from project ideas to publication through data production and management





cesgo
Collaboration

cesgo
Data*



What can be done with CeSGO

Create groups

Share ideas

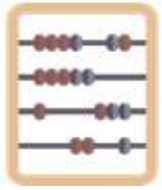
Exchange

Edit and share documents

Create websites

Manage and share files

Manage scientific data



Launch compute jobs

Manage projects

CeSGO services

Collaboration

Exchange with you community

Data access

Sync and share research data

Research sharing

Store and publish research data

Projects

Manage your projects efficiently with kanban

Instant

Live chat with your partners

Powered by Wordpress

COLLABORATION

Main features

- Work **alone** or inside a **group**
- Documents: create, edit and manage authorizations
- Files: upload files (pdf, images, etc.)
- Forums: create topics inside a group
- Websites: create a website with Wordpress

Groups

43
Groups

LAST ACTIVE

ALL TYPES

Search Groups...

ALL GROUPS 43

BIOGENOUEST.ORG
active 5 days, 23 hours ago
Refonte du site web du GIS Biogenouest : suivi, avis, et tests.

Private Group / 10 *members*
Communication–Group created to support the communication of a research project or team
Internship–Group created to support an intership

CESGO
active 6 days, 21 hours ago
Group to share informations about CeSGO internal project

Project tasks
Report

Private Group / 3 *members*
GenOuest–Group dedicated to the GenOuest core facility

GENODOCK
active 1 week, 3 days ago
GenoDock est un nouvel environnement dédié à la gestion de données génomiques. Cet outil offre la possibilité de mettre à disposition de la communauté des génomes ainsi que leurs annotations (structurales et fonct [...]

Private Group / 5 *members*
GenOuest–Group dedicated to the GenOuest core facility
GenOuest R&D–Research & Developement group dedicated to GenOuest core facility

WHO'S ONLINE

MEMBERS

Newest Active Popular

Cyril MONJEAUD
a few seconds ago

Grégoire Siekaniec
an hour ago

Léa Cabioch
an hour ago

Olivier Collin
3 hours ago

Yvan Le Bras
21 hours ago

GROUPS

Newest Active Popular Alphabetical

Members

LAST ACTIVE

Search Members...

ALL MEMBERS 123 | MY FRIENDS 27

Cyril MONJEAUD
active 4 seconds ago
27 friends

Grégoire Siekaniec
active 40 minutes ago
1 friend

Add Friend

Léa Cabioch
active 41 minutes ago
11 friends

Olivier Collin
active 2 hours, 25 minutes ago
12 friends

Yvan Le Bras
active 20 hours, 34 minutes ago
8 friends

WHO'S ONLINE

MEMBERS

Newest Active Popular

Cyril MONJEAUD
a few seconds ago

Grégoire Siekaniec
41 minutes ago

Léa Cabioch
42 minutes ago

Olivier Collin
2 hours ago

Yvan Le Bras
21 hours ago

GROUPS

Newest Active Popular Alphabetical

Private Group

3 Members

Your email status is Daily Digest (change)

HOME | FORUM | BUDDYDRIVE | DOCUMENTS 35 | MEMBERS 3 | SEND INVITES | EMAIL OPTIONS | MANAGE

RSS

– EVERYTHING –

What's new in CeSGO, Cyril?

Cyril MONJEAUD edited the doc [redacted] in the group **CeSGO** 7 days ago

Cyril MONJEAUD edited the doc [redacted] in the group **CeSGO** 2 months ago

Cyril MONJEAUD edited the doc [redacted] in the group **CeSGO** 2 months ago

Cyril MONJEAUD created the doc [redacted] in the group **CeSGO** 2 months ago

Anthony Bretaudeau joined the group **CeSGO** 2 months ago

GROUP INFO

Group to share informations about CeSGO internal project

Project tasks
Report

GROUP ADMINS

GROUP TYPES

GenOuest

RECENT DOCUMENTS

[redacted] 23 October 2018

[redacted] 26 September 2018

[redacted] 26 November 2018

Présentation générale de l'architecture

Group: CeSGO

Access: **Limited** Show Details

Read Edit History

Le projet CeSGO

En utilisant les Technologies de l'Information et de la Communication (TIC) ainsi que des logiciels et standards internationaux pour la gestion des métadonnées, l'analyse et le partage de données ainsi que la collaboration scientifique, CeSGO propose la mise en place d'un centre e-Science couplé à un environnement virtuel de recherche dédié aux communautés des sciences de la vie.

L'espace dédié à la collaboration scientifique

Un nouveau portail a été déployé suite aux premiers tests de la plateforme HUBzero. Ce nouvel outil reprend les concepts de ce dernier en étant non plus basé sur Joomla mais sur WordPress.

Cette nouvelle solution utilise une série de plugins permettant la collaboration entre diverses personnes. Les principaux sont les suivants :

- Buddypress : gestion de groupe / membres
- Buddypress docs : gestion de documents "texte"
- bbpress : gestion de forums
- Buddydrive : gestion de fichiers
- Project manager : gestion de projets (associée à des groupes)

Cet espace de collaboration est présent à cette adresse : https://www.cesgo.org/collaboration.

GROUP INFO

Group to share informations about CeSGO internal project

Project tasks
Report

GROUP ADMINS

RECENT DOCUMENTS

[redacted] 23 October 2018

[redacted] 26 September 2018

[redacted] 26 November 2018

[redacted] 26 November 2018

[redacted] 15 November 2018

Your email status is Daily Digest (change)

HOME FORUM BUDDYDRIVE DOCUMENTS 35 MEMBERS 3 SEND INVITES EMAIL OPTIONS MANAGE

All

LAST EDIT

Search

Schema

Abstract CeSGO

Abstract for INSERM workshop (2017-05-16)

Doc

Posters

Boîte à outils communication

Présentations

Bibliographie

Bibliographie concernant Cesgo

VRE schema

Schéma montrant les différentes briques du nouveau VRE

[redacted]

Logo Cesgo

GROUP INFO

Group to share informations about CeSGO internal project

Project tasks
Report

GROUP ADMINS

GROUP TYPES

GenOuest

RECENT DOCUMENTS

[redacted] 23 October 2018

[redacted] 26 September 2018

[redacted] 26 November 2018

[redacted] 26 November 2018

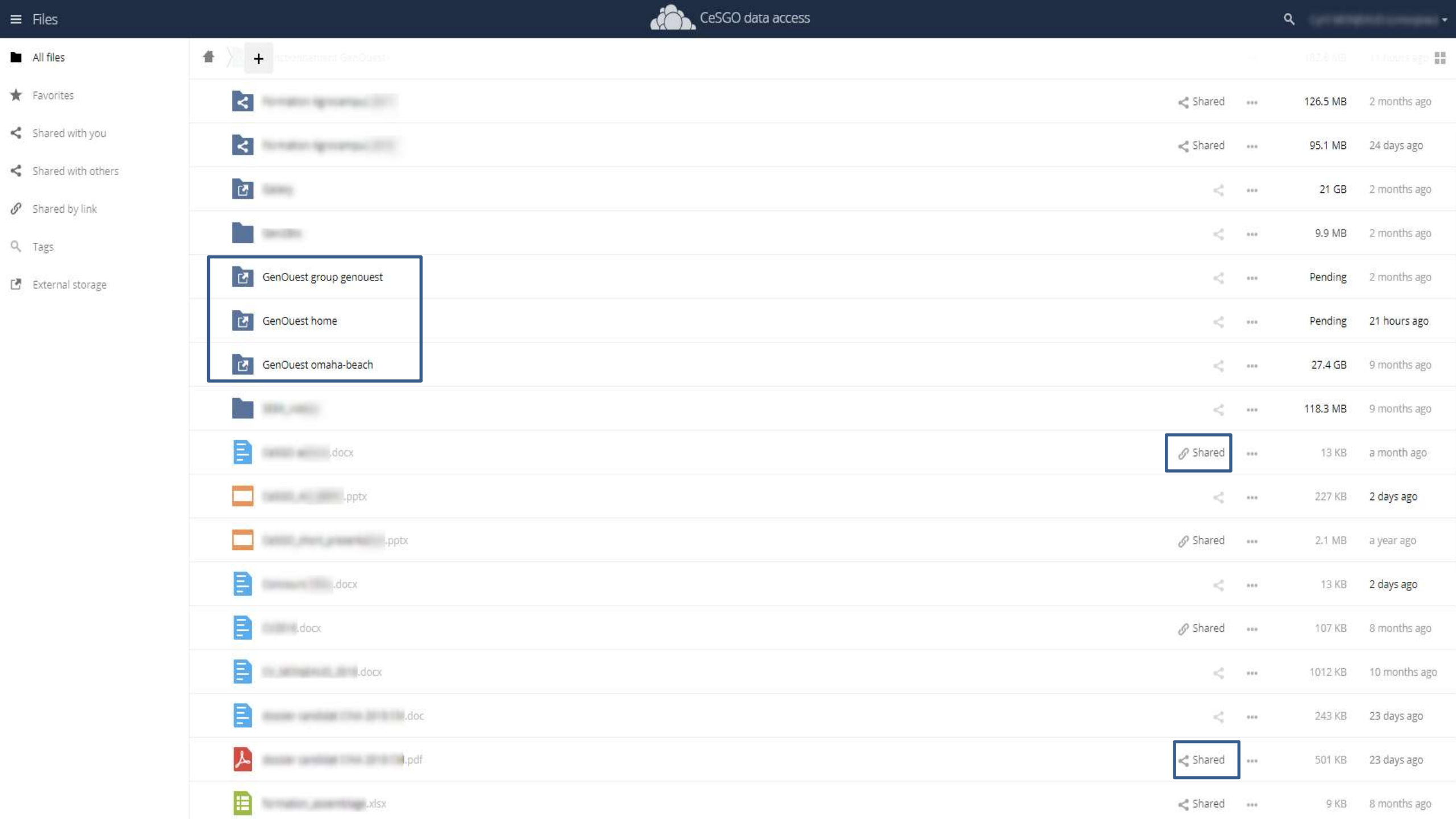
[redacted] 15 November 2018

Powered by Owncloud

DATA ACCESS

Main features

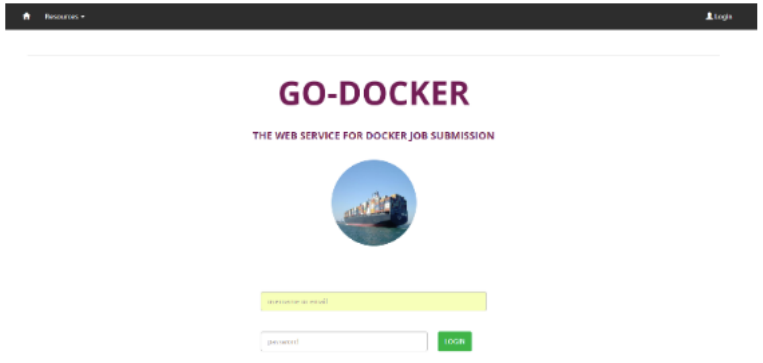
- Storage: limited to 50Go
- Accessibility: GenOuest folders (home, group, omaha)
- Sharing: generate a public link or share with user / group
- Online collaborative documents
- Synchronization: desktop clients and applications are available
- External: add external storage (FTP / SFTP/ etc.)


Files
CeSGO data access
All files
Favorites
Shared with you
Shared with others
Shared by link
Tags
External storage
GenOuest group genouest
GenOuest home
GenOuest omaha-beach
Shared
126.5 MB
2 months ago
Shared
95.1 MB
24 days ago
21 GB
2 months ago
9.9 MB
2 months ago
Pending
2 months ago
Pending
21 hours ago
27.4 GB
9 months ago
118.3 MB
9 months ago
.docx
Shared
13 KB
a month ago
.pptx
227 KB
2 days ago
.pptx
Shared
2.1 MB
a year ago
.docx
13 KB
2 days ago
.docx
Shared
107 KB
8 months ago
.docx
1012 KB
10 months ago
.doc
243 KB
23 days ago
.pdf
Shared
501 KB
23 days ago
.xlsx
Shared
9 KB
8 months ago

Go-Docker

Connexion sur l'instance de GenOuest

Allez sur https://godocker.genouest.org



Se connecter avec votre compte GenOuest temporaire.

Tutoriel : le menu

All Activities
Activities by you
Activities by others
Favorites
Comments
Shares

November 27, 2018

You changed [redacted].pptx and [redacted].docx — 2 days ago

You created [redacted].pptx and [redacted].docx — 2 days ago

November 26, 2018

You shared [redacted] with Olivier Collin (ocollin) — 3 days ago

November 22, 2018

[redacted] updated system tag **couivet-étudiants-lausanne** to **couvet-étudiants-lausanne** — 7 days ago

[redacted] created system tag **couivet-étudiants-lausanne** — 7 days ago

November 13, 2018

You deleted [redacted] — 16 days ago

You changed [redacted] — 16 days ago

You created [redacted] — 16 days ago

Week 48 of 2018

Day | Week | Month

Today

+ New Calendar

GenOuest — Shared

+ New Subscription

Settings & import

	Sun 11/25	Mon 11/26	Tue 11/27	Wed 11/28	Thu 11/29	Fri 11/30	Sat 12/1
all-day					Réunion		
2am							
3am							
4am							
5am							
6am							
7am							
8am							
9am							
10am							
11am							
12pm							
1pm							
2pm							
3pm							
4pm							
5pm							
6pm							
7pm							
8pm							
9pm							
10pm							
11pm							

Powered by Kanboard

PROJECTS

Main features

- Projects: private or collaborative based on Kanban
- Gantt chart
- Permissions: share a project with users and manage roles
- Notifications: email and web notifications.
- Activities: Reports and graphs of each project

Overview

My projects

My tasks

My subtasks

Search

6 projects Sort

#1 CeSGO
0 Backlog 4 Ready 2 Work in progress 2 Waiting 0 Done

#81 Formation Agrocampus
0 Ideas 1 Ready 7 Work in progress 0 Done

#5 Formations GenOuest
1 Backlog 0 Ready 0 Work in progress 0 Done

#6 Galaxy GenOuest
14 Backlog 2 Ready 4 Work in progress 0 Done

#13 GenOuest
11 Backlog 5 Ready 2 Work in progress 0 Done

#7 ISO9001
22 Backlog 4 Ready 14 Work in progress 28 Done

CeSGO

6 tasks Sort

#959 Vidéo invitation personne par mail pour Collaboration
CeSGO > Communication > Ready
Cyril MONJEAUD (2) 36d 36d P0

#997 Mise à jour plugin LDAP sous Owncloud
CeSGO > Updates > Ready
Cyril MONJEAUD (1) 21d 21d P0

#1010 MAJ SEEK 1.7.1
CeSGO > Updates > Ready
Cyril MONJEAUD (2) 7d 1d P0

KB ISO9001

Display another project

Cyril MONJEAUD

OVERVIEW | BOARD | LIST | GANTT | CALENDAR

status:open

Backlog (1) — 22 | Ready — 4 | Work in progress (1) — 14 | Done (2) — 28

Processus R&D (4)

#457 Olivier Sallou
Mise en place d'un indicateur pour le nombre d'interfaçage Galaxy
1 | 329d | 329d | P0

#932 Olivier Sallou
formaliser et homogénéisation l'enregistrement des projets
Audit Interne
ACTION SUITE PISTE PROGRES
1 | 38d | 21d | P0

#245 Olivier Sallou
[illegible]
476d | 366d | P0

#403 Olivier Sallou
[illegible]
1 | 366d | 21d | P0

Processus GSI (11)

Backlog (4) — 22 | Ready (1) — 4 | Work in progress (3) — 14 | Done (3) — 28

#94 Arnaud LAURIOU
Installation d'outils de monitoring des divers services et machines
505d | 505d | P0

#96 Arnaud LAURIOU
Préparer une possible convergence avec architecture des Moyens Informatiques (veille technologique)
Audit Interne
505d | 505d | P0

#121 Olivier Collin
[illegible]
01/12/2018 00:00
1 | 497d | 497d | P0

#407 Arnaud LAURIOU
Mise à jour de la documentation
366d | 248d | P0

#634 Arnaud LAURIOU
[illegible]
Réunion ingénieur.e.s
248d | 248d | P0

#95 Arnaud LAURIOU
[illegible]
505d | 374d | P0

#633 Arnaud LAURIOU
[illegible]
Réunion ingénieur.e.s
1 | 248d | 157d | P0

#870 Arnaud LAURIOU
[illegible]
Réunion ingénieur.e.s
66d | 66d | P0

#631 Arnaud LAURIOU
Installation du nouveau serveur
Réunion ingénieur.e.s
248d | 248d | P0

#632 Arnaud LAURIOU
[illegible]
Réunion ingénieur.e.s
1 | 248d | 157d | P0

#928 Arnaud LAURIOU
[illegible]
Audit Externe
ACTION A APPORTER SUITE AUDIT
38d | 38d | P0

KB CeSGO

Display another project

Cyril MONJEAUD

OVERVIEW | BOARD | LIST | GANTT | CALENDAR

status:open

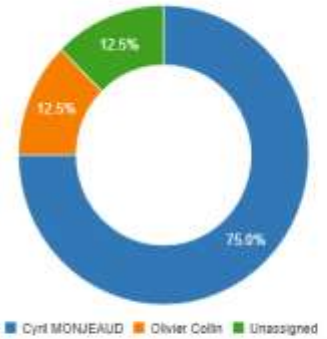
Sort by position | Sort by date | Add task

	Nover	December 2018	January 2019
	29 30 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21		
#10 Reprise contact avec PFCMV - Olivier coriton	20% - #10 Reprise contact avec PFCMV - Olivier coriton		
#997 Mise à jour plugin LDAP sous Owncloud	20% - #997 Mise à jour plugin LDAP sous Owncloud		
#959 Vidéo invitation personne par mail pour Collabor...	20% - #959 Vidéo invitation personne par mail pour Collaboration		
#1010 MAJ SEEK 1.7.1	20% - #1010 MAJ SEEK 1.7.1		
#63 Stratégie mise en place DOI	40% - #63 Stratégie mise en place DOI		
#1012 Présentation CeSGO	40% - #1012 Présentation CeSGO		
#583 PR Rocketchat	60% - #583 PR Rocketchat		
#641 Lancement des dockers auto	60% - #641 Lancement d...		

Moving or resizing a task will change the start and due date of the task.

CeSGO > User repartition

- Task distribution
- User repartition
- Cumulative flow diagram
- Burndown chart
- Average time into each column
- Lead and cycle time
- Estimated vs actual time



User	Number of tasks	Percentage
Cyril MONJEAUD	6	75.00%
Olivier Collin	1	12.50%
Unassigned	1	12.50%

Powered by Rocket.Chat

INSTANT

Main features

- Chat rooms: communicate and collaborate using team chat
- Direct chat: private conversation between two users
- Video conference: create a video conference inside a room
- Anywhere: desktop & mobile apps

Parlons SGE en fait

```
Exception in thread "main" java.awt.AWTError: Can't connect to X11 window server using 'localhost:27.0' as the value of the DISPLAY variable.
        at sun.awt.X11GraphicsEnvironment.initDisplay(Native Method)
        at sun.awt.X11GraphicsEnvironment.access$200(X11GraphicsEnvironment.java:65)
        at sun.awt.X11GraphicsEnvironment$1.run(X11GraphicsEnvironment.java:115)
        at java.security.AccessController.doPrivileged(Native Method)
        at sun.awt.X11GraphicsEnvironment.<clinit>(X11GraphicsEnvironment.java:74)
        at java.lang.Class.forName0(Native Method)
        at java.lang.Class.forName(Class.java:264)
        at java.awt.GraphicsEnvironment.createGE(GraphicsEnvironment.java:103)
        at java.awt.GraphicsEnvironment.getLocalGraphicsEnvironment(GraphicsEnvironment.java:82)
        at sun.awt.X11.XToolkit.<clinit>(XToolkit.java:126)
        at java.lang.Class.forName0(Native Method)
        at java.lang.Class.forName(Class.java:264)
        at java.awt.Toolkit$2.run(Toolkit.java:860)
        at java.awt.Toolkit$2.run(Toolkit.java:855)
        at java.security.AccessController.doPrivileged(Native Method)
        at java.awt.Toolkit.getDefaultToolkit(Toolkit.java:854)
        at javax.swing.UIManager.getSystemLookAndFeelClassName(UIManager.java:611)
        at uk.ac.babraham.FastQC.FastQCApplication.main(FastQCApplication.java:322)
```

[redacted] 5:21 PM

autant pour moi, c'est bon pour le x11, j'ai mis à jour la doc

Message

B I S </> \[KaTeX\]

Powered by SEEK

RESEARCH SHARING

FAIR data

- **FAIR** = Findable, Accessible, Interoperable, and Re-usable.
- This service aims to improve the integration of the FAIR data model, by helping linking data with its experimental information
- Data can be imported from a local storage, or through a direct link to the data (such as the Data access service links)

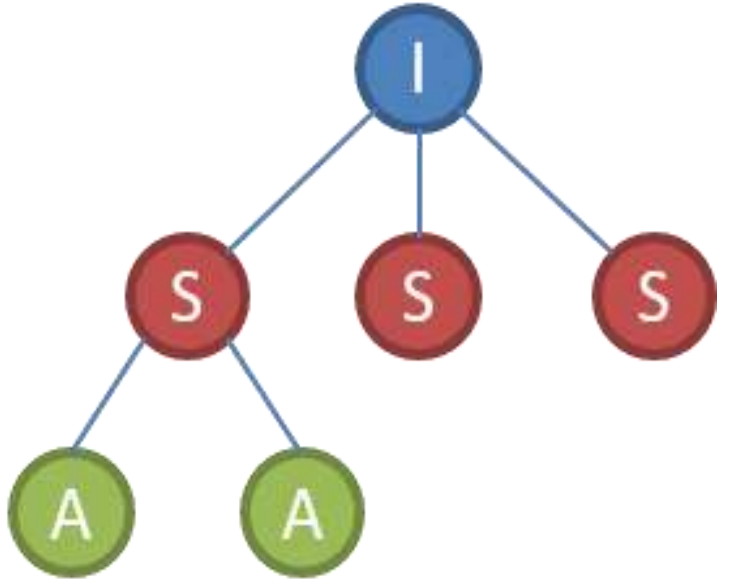
Experimental information

- ISA formalism is used to describe biological activities.

Investigation
Project context
e.g. Growth control of the eukaryote cell: a systems biology study in yeast

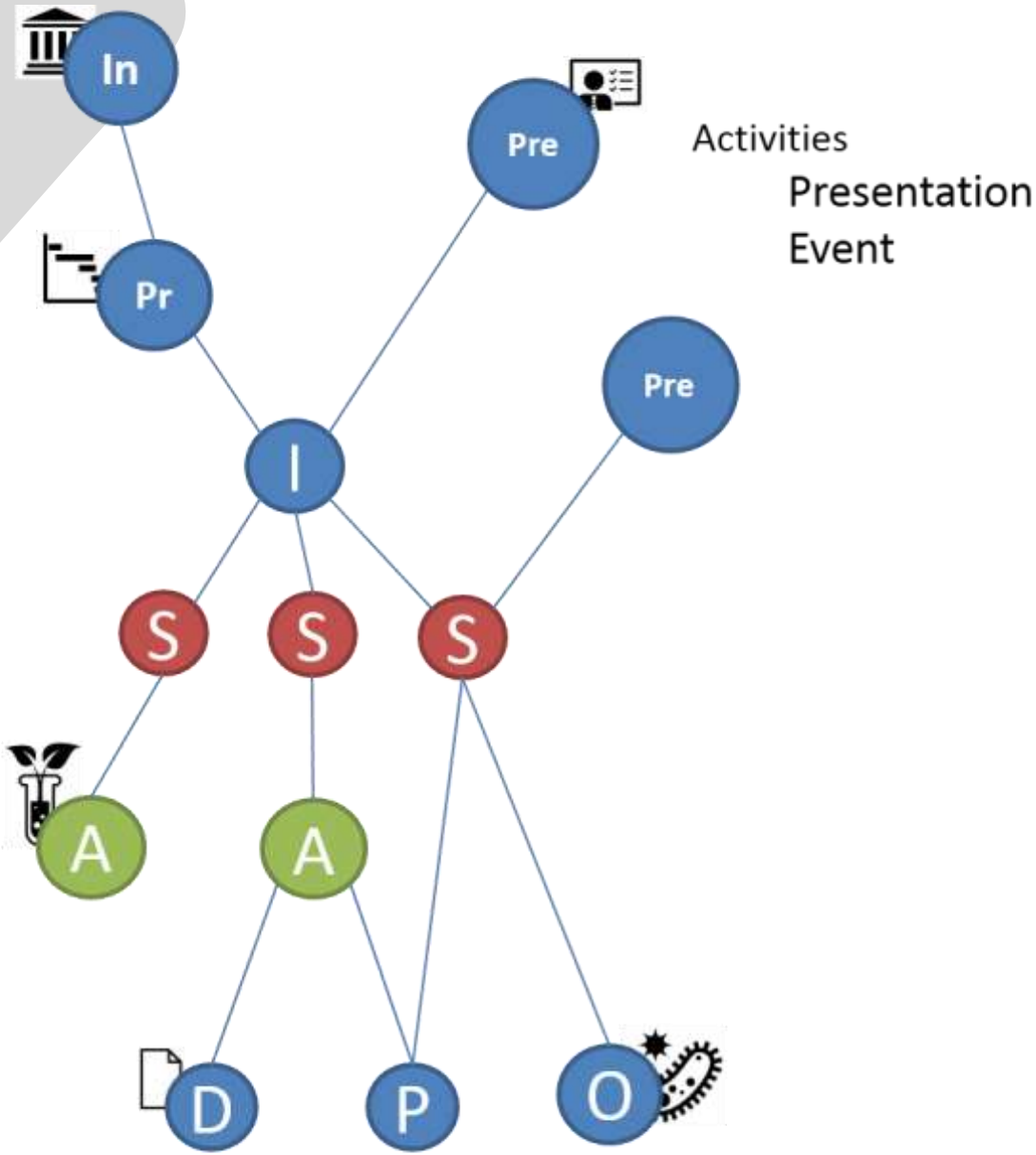
Study
A unit of research
e.g. Study of the impact of changes in flux on the transcriptome under different nutrient limitations

Assay
Analytical measurement
e.g. Protein expression profiling using mass spectrometry



Assets

- Yellow pages
  - Institution
  - Project
- Biological Experiments
  - Investigation
  - Study
  - Assay
- Assets
  - Data file (upload and remote)
  - Model (sbml)
  - SOP (protocoles)
  - Publication



CeSGO project

En utilisant les Technologies de l'Information et de la Communication (TIC) ainsi que des logiciels et standards internationaux pour la gestion des métadonnées, l'analyse et le partage de données ainsi que la collaboration scientifique, CeSGO propose la mise en place d'une plate-forme e-Science couplée à un environnement virtuel de recherche centré sur les besoins des communautés des sciences de la vie.

SEEK ID: https://research-sharing.cesgo.org/projects/2

CesGO PALs: *No PALs for this Project*

Public web page: https://www.cesgo.org

Organisms: Escherichia coli, Lactococcus lactis, Oncorhynchus mykiss

Related items

People (3) | Institutions (3) | Investigations (2) | Studies (2+1) | Assays (2+1) | Data files (7+2) | Models (1) | SOPs (1) | Publications (4) | Organisms (3)

CeSGO Admin

Projects: Training, CeSGO project
Institutions: Default Institution

No description specified

Disciplines: *Not specified*
Roles: *Not specified*
Expertise: *Not specified*
Tools: *Not specified*

Cyril Monjeaud

Projects: CeSGO project, Rapsodyn, EnginesOn project, FEED-A-GENE, Training, CORAIL MAD
Institutions: GenOuest, Biogenouest

No description specified

Disciplines: Bioinformatician
Roles: *Not specified*
Expertise: Data Management, Software Engineering
Tools: Web services, cloud, Workflows, docker, Python, galaxy

Olivier Collin

Projects: CeSGO project, Rapsodyn, Training
Institutions: GenOuest

orcid.org/0000-0002-8959-8402

No description specified

Disciplines: Bioinformatician
Roles: Project Coordinator
Expertise: Data Management, Bioinformatics
Tools: *Not specified*

Detection Of QTL and functional genomics study of osmoregulation capacities in the rainbow trout (Oncorhynchus mykiss)

Euryhalin teleosts can live in freshwater as well as in seawater. The success of their survival depends then on their osmotic acclimation capacities. The objective of my work is to describe acclimation processes in the salted water at the rainbow trout by a study coupling functional genomic and genetic approaches. From a first differential gill transcriptomic study, a list of candidates genes was established. This study also allowed to investigate the physiological answer to a hyperosmotic kinetics challenge. Main results reveal good euryhalinity capacities of the tested trouts and a maximum trasncriptomic answer 24 h after the seawater transfer. Biological processes involved in the acclimation mechanisms are also proposed. A second part of this work consisted of the characterisation of the genetic control of processes linked to seawater acclimation in rainbow trout. Using as characters, a two times repeated 24h post seawater transfer plasma sodium and chloride levels, as well as gill weight, unitrait and multitrait analyses allowed to reveal 18 QTL among whom 9 are qualified as robust. A last approach of eQTL detection then allowed, based on a gill transcriptomic analysis and on the results of the first two approaches, to offer 69 exclusive candidates genes. If the majority of these genes are offered as acting at functional level, some are suggested as positional candidates. It is the first time that a blending transcriptomie differential approach coupled to a QTL / eQTL study is led to a non-sequenced genome aquacole interest teleost for the acclimation capacity to different osmotic environments. The existence of a genetic element having an influence on the capacities of osmoregulation in teleost is shown here. These results lay the road with cobblestones for a definite investigation of the genetic bases of seawater acclimation processes in teleosts.

SEEK ID: https://research-sharing.cesgo.org/investigations/1

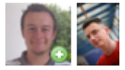
Projects: CeSGO project

Help

Selected: Detection Of QTL and functional genomics study of osmoregulation capacities in the rainbow trout (Oncorhynchus mykiss) (Inv Tree Split Graph

Description: Euryhalin teleosts can live in freshwater as well as in seawater. The success of their survival depends then on their... Fullscreen All nodes

Contributor and Creators



Citation

Copy

An error occurred whilst fetching the citation

Change citation style...

Note: This is a citation for Snapshot 3 of this Investigation, the contents of which may vary from what is shown on this page.

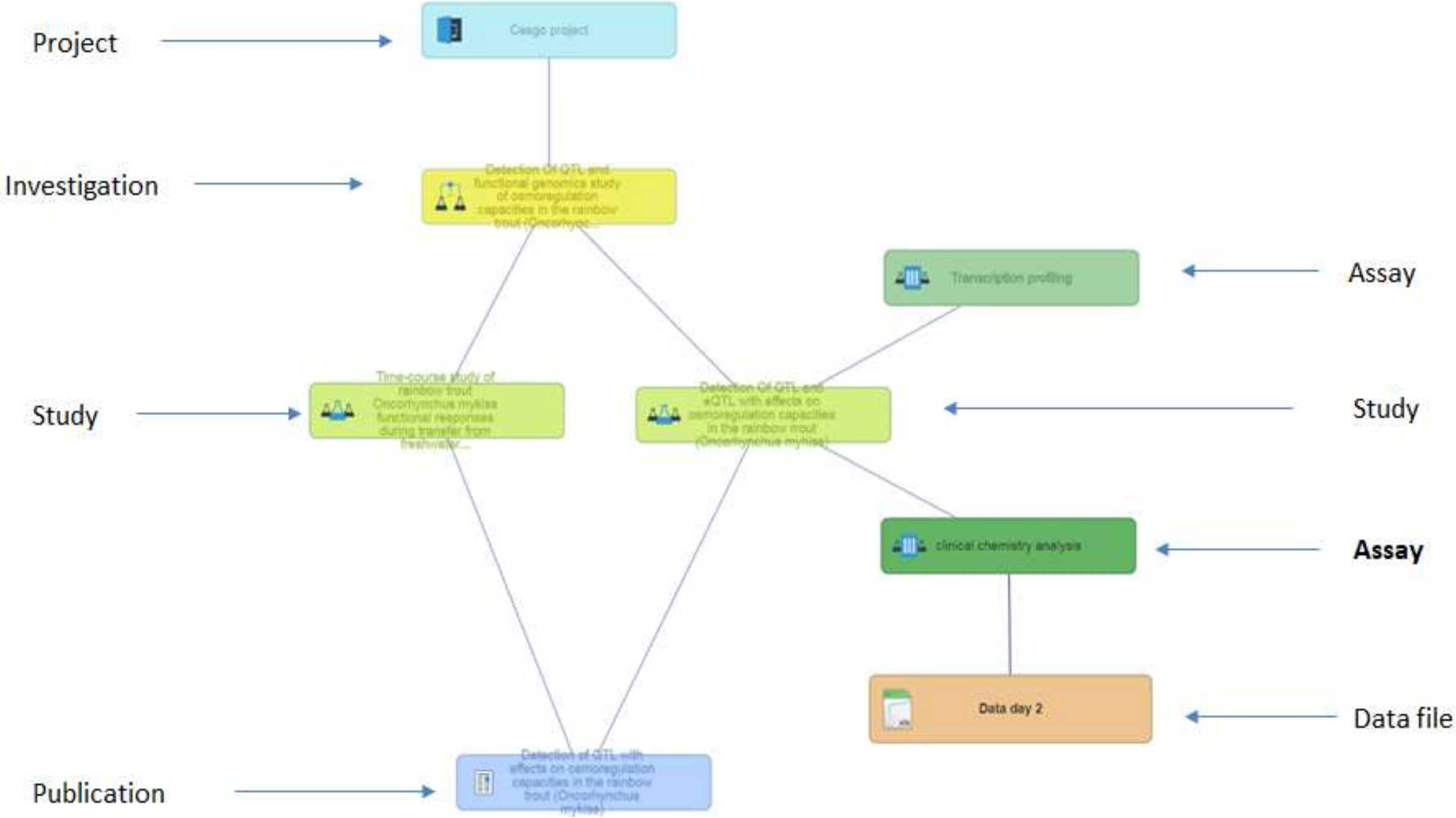
Snapshots

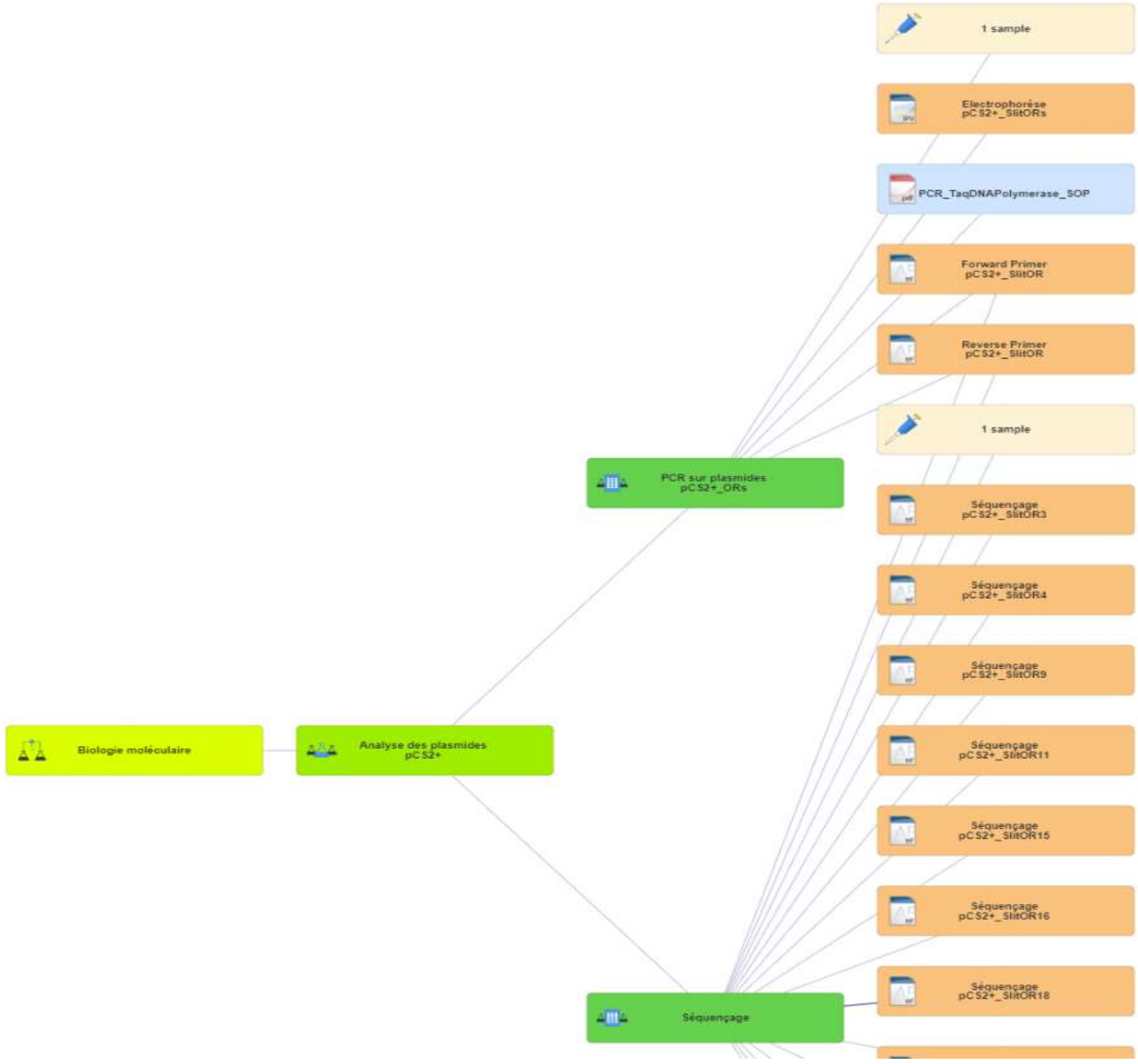
Snapshot 3 (8th Oct 2018)
Snapshot 2 (5th Oct 2018)
Snapshot 1 (5th Oct 2018)

Activity

Views: 272

Created: 14th Oct 2016 at 10:03
Last updated: 16th Jul 2018 at 12:52


Project
Cisgo project
Investigation
Detection Of QTL and functional genomics study of osmoregulation capacities in the rainbow trout (Oncorhync...
Transcription profiling
Assay
Study
Time-course study of rainbow trout Oncorhynchus mykiss functional responses during transfer from freshwater...
Detection Of QTL and eQTL with effects on osmoregulation capacities in the rainbow trout (Oncorhynchus mykiss)
Study
clinical chemistry analysis
Assay
Data day 2
Data file
Publication
Detection of QTL with effects on osmoregulation capacities in the rainbow trout (Oncorhynchus mykiss)


Biologie moléculaire
Analyse des plasmides pCS2+
PCR sur plasmides pCS2+_ORs
Séquençage
1 sample
Electrophorèse pCS2+_SlitORs
PCR_TaqDNAPolymerase_SOP
Forward Primer pCS2+_SlitOR
Reverse Primer pCS2+_SlitOR
1 sample
Séquençage pCS2+_SlitOR3
Séquençage pCS2+_SlitOR4
Séquençage pCS2+_SlitOR9
Séquençage pCS2+_SlitOR11
Séquençage pCS2+_SlitOR15
Séquençage pCS2+_SlitOR16
Séquençage pCS2+_SlitOR18

CONCLUSION

People and link

People

- Yvan Le Bras - CeSGO v1
- Cyril Monjeaud - CeSGO v2
- Olivier Collin – CeSGO v1-v2
- With all the GenOuest team




CeSGO portal

https://www.cesgo.org

QUESTIONS?