

# GRANDMA web platform for O4 using Skyportal

Thomas Culino (OCA), GRANDMA  
Collaboration Meeting, May 31st, 2022

# Who are we ?

- 2 interns from the same engineering school in Paris called ESILV in Master 1 of Data Science and AI



# Why and how would we use Skyportal for GRANDMA ?

- Be ready for O4 by having a functional web platform.
- We want to automate the process of contacting observing teams in order to have faster information exchange and measurements of better quality because of the early state of the observation.
- Currently, we have our own version of Skyportal to fit GRANDMA's specific needs. It uses SkyPortal as a submodule, and applies changes or adds features on top of it.
- Because of how SkyPortal works (can be used through its API), it is easy for us to create "extensions" to help us add data to SkyPortal coming from many sources.

# Features useful for GRANDMA

- Authentication
- Add shifts (using the form and the calendar)
- Join/leave a shift
- Add/delete a user to a shift
- Replacement request
- Map of telescopes
- Join/leave a group
- Skyportal-fink-client


# Authentication

- You will need to have your account created for Thursday



Welcome to SkyPortal for Grandma


For more information about the project, see <https://github.com/skyportal/skyportal>


 Sign in with IAM



Welcome to GRANDMA IAM

Sign in with

 Google

 Slack Grandma

Sign in with eduGAIN

Register at indigo-dc

This is the **indigo-dc** registration page.

You have been successfully authenticated, but your credentials are **not** yet linked to an **indigo-dc** account.

To proceed with the registration please fill in your personal information below.

To abort this registration click [here](#).

**Given name**

**Family name**

**Email**

**Username**

**Notes**

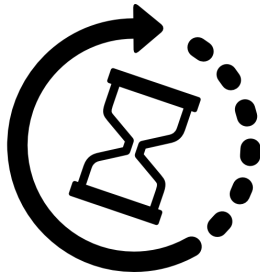


INDIGO - DataCloud

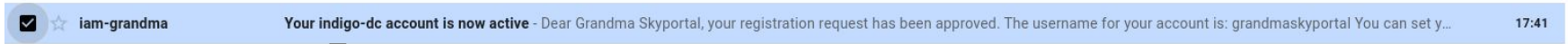
Request submitted successfully

Your registration request has been submitted successfully.

An email with a confirmation link is being sent to the email address provided in the registration form. Check your mail!



# Authentication



Your indigo-dc account is now active Boîte de réception x



iam-grandma@iam.ijclab.in2p3.fr

À moi ▾

Dear Grandma Skyportal,

your registration request has been approved.

The username for your account is:

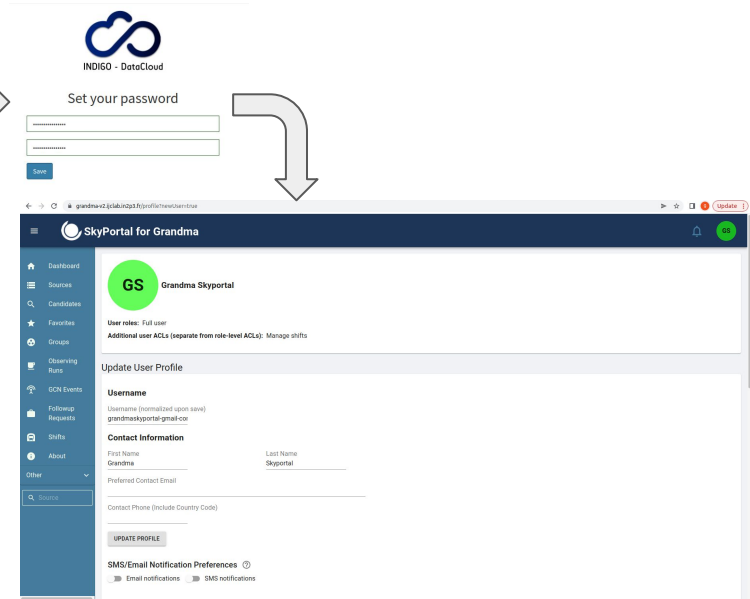
grandmaskyportal

You can set your local \$organisationName password by following this link:

<https://iam-grandma.ijclab.in2p3.fr/iam/password-reset/token/14d2db1b-4870-485e-8df1-66c346a8ed75>

Note that this step is not needed if you are using an external identity provider to log into indigo-dc, your account is already active.

The indigo-dc registration service



# Add shifts

- Dashboard
- Sources
- Candidates
- Favorites
- Groups
- Observing Runs
- GCN Events
- Followup Requests
- Shifts
- About
- Other
- Source

Today	Back	Next	June 05 - 11					Month	Week	Work Week	Day	Agenda
	05 Sun	06 Mon	07 Tue	08 Wed	09 Thu	10 Fri	11 Sat					
12:00 AM												
2:00 AM												
4:00 AM												
6:00 AM												
8:00 AM					8:00 AM - 5:00 PM Test2 GRANDMA							
10:00 AM												
12:00 PM												
2:00 PM												
4:00 PM												
6:00 PM												
8:00 PM												
10:00 PM												

### ADD NEW SHIFT

Group \*  
GRANDMA

Shift name (ie. the Night Shift) \*

Start Date (Local Time) \*  
05/27/2022, 06:38:35 PM

End Date (Local Time) \*  
05/28/2022, 06:38:35 PM

Shift's description

Do you want to create daily shifts over the selected period ?

Yes

No

If checked, shifts will be created for each day between start and end date, each of them starting at the start time and ending at the end time.

SUBMIT

Start Date (Local Time)  
05/26/2022, 06:38:35 PM

End Date (Local Time)  
05/28/2022, 06:38:35 PM

# Join & leave a shift

	05 Sun	06 Mon	07 Tue	08 Wed	09 Thu	10 Fri	11 Sat
12:00 AM							
2:00 AM			2:00 AM – 10:00 test on calendar				
4:00 AM			GRANDMA				
6:00 AM							
8:00 AM					8:00 AM – 5:00 P Test2		
10:00 AM					GRANDMA		
12:00 PM			11:38 AM – 6:38 Test shift				
2:00 PM			GRANDMA				
4:00 PM							
6:00 PM							
8:00 PM							
10:00 PM							

### ADD NEW SHIFT

Group \*  
GRANDMA

Shift name (ie. the Night Shift) \*

Start Date (Local Time) \*  
05/27/2022, 06:39:23 PM

End Date (Local Time) \*  
05/28/2022, 06:39:23 PM

Shift's description

Do you want to create daily shifts over the selected period ?

Yes

No

If checked, shifts will be created for each day between start and end date, each of them starting at the start time and ending at the end time.

**SUBMIT**



# Add and remove users to a shift

- Dashboard
- Sources
- Candidates
- Favorites
- Groups
- Observing Runs
- GCN Events
- Followup Requests
- Shifts
- About
- Other

Today Back Next June 05 - 11 Month Week Work Week Day Agenda

	05 Sun	06 Mon	07 Tue	08 Wed	09 Thu	10 Fri	11 Sat
12:00 AM							
2:00 AM			2:00 AM - 10:00 test on calendar GRANDMA				
4:00 AM							
6:00 AM							
8:00 AM					8:00 AM - 5:00 P Test2 GRANDMA		
10:00 AM							
12:00 PM			11:38 AM - 6:38 Test shift GRANDMA				
2:00 PM							
4:00 PM							
6:00 PM							
8:00 PM							
10:00 PM							

### ADD NEW SHIFT

#### Test2

**Group: GRANDMA**  
Admins : Theophile Jegou du Laz (theophile-dulaz-gmail-com)  
Members :  
Start: 6/9/2022, 8:00:00 AM  
End: 6/9/2022, 5:00:00 PM

[JOIN](#)

#### Add comment

Comment text

Attachment  No file chosen

Customize Group Access

Start Date (Local Time)  
05/26/2022, 06:40:10 PM

End Date (Local Time)  
05/28/2022, 06:40:10 PM



- Dashboard
- Sources
- Candidates
- Favorites
- Groups
- Observing Runs
- GCN Events
- Followup Requests
- Shifts
- About

Other ▾

🔍 Source

Today	Back	Next	May 15 - 21				
	15 Sun	16 Mon	17 Tue	18 Wed	19 Thu	20 Fri	21 Sat
12:00 AM							
2:00 AM							
4:00 AM							
6:00 AM							
8:00 AM							
10:00 AM			10:00 AM - 9:00 replacement shift GRANDMA				
12:00 PM							
2:00 PM							
4:00 PM							
6:00 PM							
8:00 PM							
10:00 PM							

### ADD NEW SHIFT

Group \*

GRANDMA

Shift name (ie. the Night Shift)\*

Start Date (Local Time)\*

05 / 27 / 2022, 06 : 44 : 21 PM

End Date (Local Time)\*

05 / 28 / 2022, 06 : 44 : 21 PM

Shift's description

Do you want to create daily shifts over the selected period ?

Yes

No

If checked, shifts will be created for each day between start and end date, each of them starting at the start time and ending at the end time.

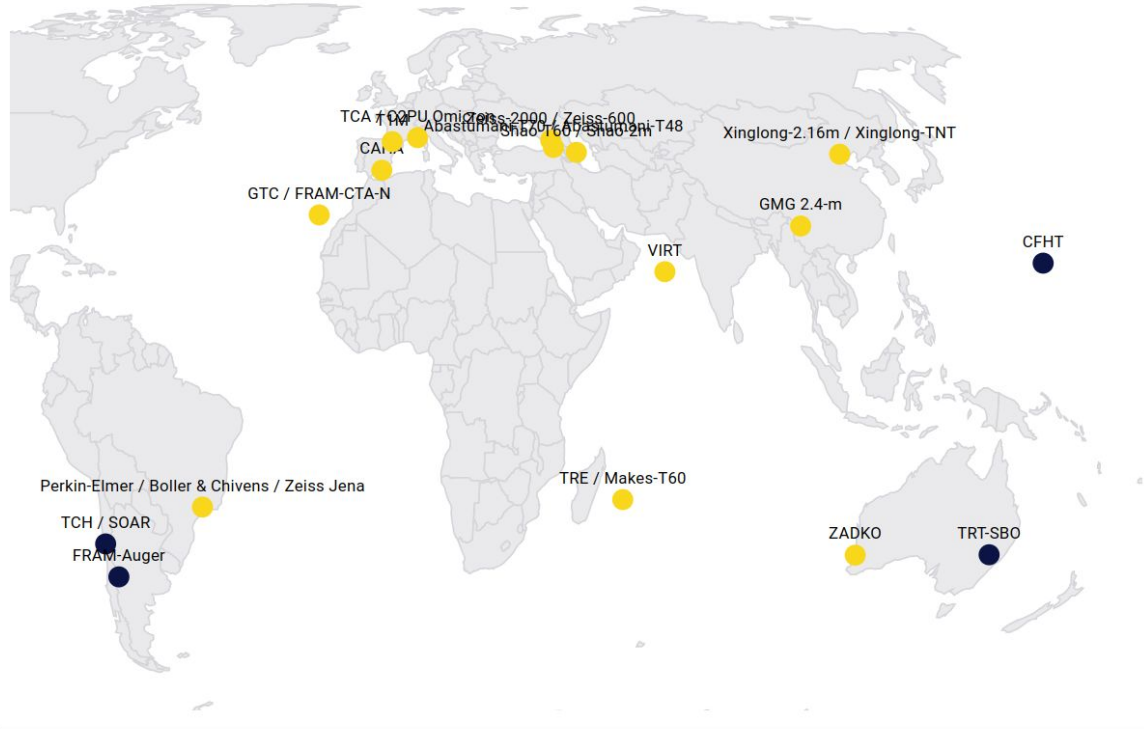
SUBMIT

Start Date (Local Time)

05 / 26 / 2022, 06 : 44 : 21 PM

End Date (Local Time)

05 / 28 / 2022, 06 : 44 : 21 PM



TELESCOPE LIST

NEW TELESCOPE

● **TAROT Reunion (TRE)**

Next Sunrise (Astronomical): 2022-05-28 01:28:34 UTC  
 Next Sunset (Astronomical): 2022-05-27 15:02:40 UTC

Diameter : 0.2

Location : -21.1988, 55.4102

Elevation : 991.0

Robotic : Yes

Fixed Location : Yes

● **Les Makes-T60 (Makes-T60)**

Next Sunrise (Astronomical): 2022-05-28 01:28:35 UTC  
 Next Sunset (Astronomical): 2022-05-27 15:02:40 UTC

Diameter : 0.6

Location : -21.1997, 55.4090

Elevation : 1000.0

Robotic : No

Fixed Location : Yes



Dashboard

Sources

Candidates

Favorites

Groups

Observing  
Runs

GCN Events

Followup  
Requests

Shifts

About

Other

Source

### My Groups

GRANDMA  
Sitewide Group

### Non-member groups

Name	Nickname	Actions
Test Group	test	REQUEST ADMISSION

Jump to Page: 1 Rows per page: 10 1-1 of 1

### Create New Group

Group Name

Nickname

Description

Group Admins

CREATE GROUP



Dashboard

Sources

Candidates

Favorites

Groups

Observing  
Runs

GCN Events

Followup  
Requests

Shifts

About

Other

Source

## Group: GRANDMA

### Sources

GROUP SOURCES

### Members

Name	Username	Admin	Actions
	sitewide-group-admin		
Theophile Jegou du Laz	theophile-dulaz-gmail-com		
Thomas Culino	thomas-culino-gmail-com		
Grandma Skyportal	grandmaskyportal-gmail-com		

skyportal-fink-client.readthedocs.io

TensorFlow MECATRONIQ... ALGO TensorFlow.js... skyportal stripe Flywire - Powe...

# SkyPortal Fink Client

Search docs

Home

- What is SkyPortal?
- What is Fink?
- Quick start

**USER**

- Guide

**DEVELOPER**

- Guide
- Code documentation

Next »

»Home

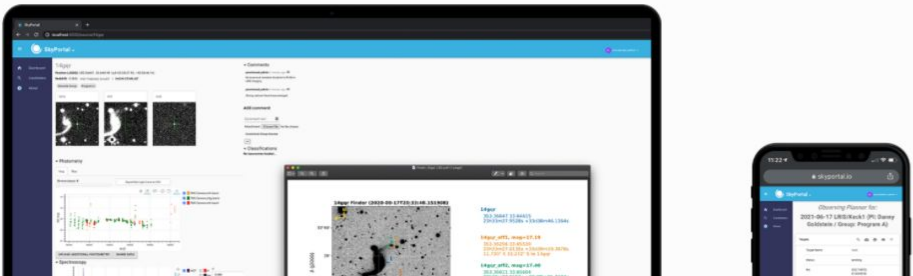
## SkyPortal Fink Client

SkyPortal Fink Client is a tool to feed [SkyPortal's](#) database with alerts from [Fink](#) in real time. It works in 2 distinct steps:

- Polling: Polling the latest alerts from Fink using [Fink Client](#)
- Pushing: Pushing the alerts to [SkyPortal's](#) database using [SkyPortal's API](#).

It is meant to run continuously in the background, and its primary goal is to recover alerts in real time.

## What is SkyPortal?



v: latest

# What are we currently working on ?

- Add comments on shift
- Shift summary: on the shift page, add the ability to select a shift to see Multi Messenger Events that took place during the shift. (We can also select a time slot to see what shift took place during that period of time. Then we can also see what gcn events were created during each selected shift. In addition, we can see which sources are within the localization of the gcn event.
- Default groups, roles and authorizations for the first connection to Skyportal

## Add comments to a shift

The image shows a shift management interface. On the left is a grid representing a calendar or shift schedule. A green vertical bar is placed in the grid, representing a shift. The bar contains the following text: "8:00 AM - 5:00 P", "Test2", and "GRANDMA".

On the right is a details panel for the selected shift. It contains the following information:

- Test2**
- Group: GRANDMA**
- Admins : Theophile Jegou du Laz (theophile-dulaz-gmail-com)*
- Members : Grandma Skyportal (grandmaskyportal-gmail-com)*
- Start: 6/9/2022, 8:00:00 AM
- End: 6/9/2022, 5:00:00 PM

There are two buttons in the details panel:

- ASK FOR REPLACEMENT** (blue button)
- LEAVE** (text link)

Below the details panel is a section for adding a comment:

- Add comment**
- Comment text:
- Attachment:  No file chosen
- Customize Group Access
- ADD COMMENT** (blue button)



# What features do we want to implement ?

- Add the ability to generate a circular automatically from information collected during shifts. (Using results of measurements collected by observation teams)
- Add a feature for observation teams where they can inform if they cannot observe. In this case, the team wouldn't be notified when a follow-up request is created.
- Inform users on shift by sending them a notification when an alert is received during their shift. We would also like to add the ability for the user to choose whether he wants to be notified only when he's on shift or whenever there is a new alert.
- Automatically trigger a follow-up request and an observation plan of an event

# What do I need from you ?

- Missing features
- Test the platform ! To do so, you will have to create an account by Thursday



**THANK YOU !**