Communication & EPO

Meeting Rubin-LSST France – Nov. 2022

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Share posts and pictures on Twitter @LSST_France

Did you get your LSST sweatshirt?

If not, don't worry:

- Everybody will get one

- Send me a message with your size at gshifrin@in2p3.fr

- Your lab communication officer will also identify other people who did not get one

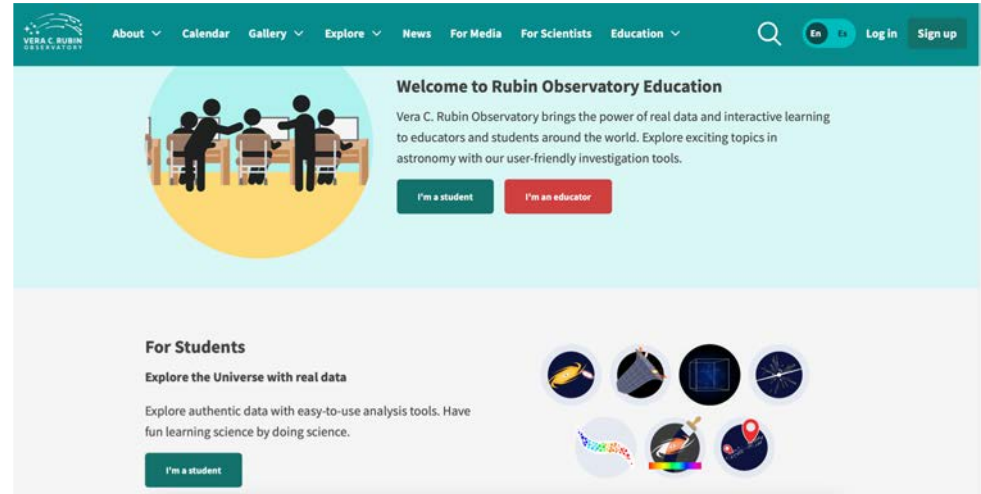- I will send them directly to the labs over the coming weeks

Education portal

New education portal:
https://rubinobs.org/education

Proposing EPO tools using LSST data

Audience : advanced middle school and
high school students, and college students
in introductory astronomy courses

Designed to support US and Chilean
national education standards

Available in English and Spanish

**The Rubin EPO team will also
provide a multilingual kit**

Where do we go from here?

$\Rightarrow$ There is an opportunity to adapt the EPO portal to the French educational system

- To propose to French middle and high school teachers to work on real LSST data
- A way to contribute to the teaching of physics in French schools
- To promote the LSST experiment and future scientific results to young people

$\Rightarrow$ Work in progress: **define a relevant method** to implement this French version of the EPO portal

- Gathering information on all the tools available
- Participating in workshops and conferences on astrophysics education
- Evaluating the resources needed for the project implementation
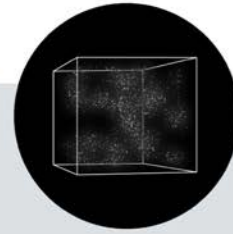
EPO portal: topics of investigation
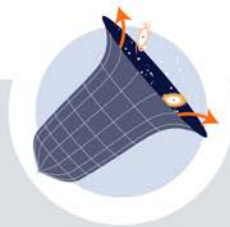

Surveying the Solar System

Coloring the Universe
(Coming Soon)

Exploring the Observable Universe
(Coming Soon)

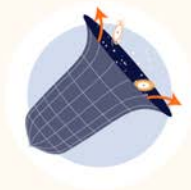**Hazardous Asteroids**
(Coming Soon)

Expanding Universe

Exploding Stars
(Coming Soon)

A complete set of ready-to-use tools

Education | Educators | Investigations | Expanding Universe

Expanding Universe

Start Investigation

Investigation total duration

1.5 hours

To get the most out of each investigation, here is a suggested sequence:

1 Read the Teacher Guide
2 Check out the Investigation
3 Use the Implementation Guide
4 Examine the Assessments
5 Examine the Phenomenon
6 Check out Videos and Auxiliary Content

Each investigation comes with

- A teacher guide
- Support materials
- A phenomenon
- Assessements

Available from any browser

Example of sequence

Lesson

Exercise

User-friendly interactive tools and engaging data visualizations

More than just a translation job

Challenges:

$\Rightarrow$ Propose tools adapted to the French educational system (curriculum, teaching methods, etc.)

$\Rightarrow$ Find teachers willing to test the tools and get their feedback

$\Rightarrow$ Establish relays in schools and academies to deploy the portal as widely as possible

$\Rightarrow$ **Will need a group of LSST experts willing to spend time on this activity**

Stay tuned!