



Rubin Observatory will conduct a 10-year wide, fast, and deep survey of the night sky starting in 2022. Rubin Observatory Education and Public Outreach (EPO) will enable public access to a subset of Rubin Observatory data so anyone can explore the Universe and be part of the discovery process. LSST EPO will facilitate a pathway from entry-level exploration of astronomical imagery to more sophisticated interaction with Rubin Observatory data using tools similar to those used by professional astronomers.

To deliver data to the public, EPO is creating a website that will serve as the main hub of EPO activities; the website will be accessible by a traditional desktop interface and also optimized for use on mobile devices.

A central feature of the website will be the EPO Skyviewer, an interactive online tool that will introduce the **general public** to a huge color image of the full available night sky observed by Rubin Observatory. The Skyviewer will guide users to explore exciting astronomical objects and offer in-depth information on individual objects in the EPO database. It is designed to be used by anyone, and requires no previous knowledge or training.

Formal educators will be able to use the EPO website to access a suite of investigations that use real Rubin Observatory data. These online investigations will make LSST data easily available for advanced middle school through college level students to access and analyze. Use of the investigations will circumvent common obstacles caused by firewalls, bandwidth issues, and the need to download software, as they will be accessible from any computer or tablet with internet access. The investigations will be aligned with Next Generation Science Standards, and will adhere to the guidelines in Chile's EXPLORA program.

EPO will enable researchers to initiate **citizen science** projects using Rubin Observatory data with maximum flexibility through a collaboration with Zooniverse, a leading online citizen science platform. Citizen science offers opportunities for public volunteers to contribute to real science research and make important discoveries, and will enable more science with Rubin Observatory.

The EPO website will guide **content creators at informal science centers** to a multimedia gallery containing photos, video, interactive 3D models, and more. These digital assets will be made available in a variety of formats, encouraging wide adoption by facilities large and small.

Rubin Observatory EPO will engage with the Chilean community through Spanish-language components of the website and will partner with organizations serving underrepresented groups in STEM. Rubin Observatory EPO is committed to building sustainable partnerships in order to maximize effectiveness and meaningful engagement with underserved audiences.