

## Project Update: September 2018

During 2018 we achieved several objectives of the Project:

1. Land cover maps of the Puna region of Argentina, with the land cover categories "water" and "non water". These maps were the input to estimate the temporal (1986 – 2017) fluctuations in lakes in sub-watersheds that were chosen for this project.
2. The analysis of the variations of the lakes resulted in the paper "Interannual lake fluctuations in the Argentine Puna: its relationship with climate change and associated peatbogs", which was submitted in the journal *Remote Sensing*, and is currently under review.
3. The lithium mining database is constantly updated to reach complete maps of the location and situation of each enterprise in the study area.
4. Field information was taken during trips made to Olaroz salt flat, Antofalla salt flat and Laguna Tres Quebradas, in each of these sites there are lithium projects in execution, exploration and feasibility. And they also represent the north, centre and south zones of the region respectively.
5. The web viewer is starting to develop together with web developers of Fundación Pro Yungas.

For next month we expect to:

- Collect information from mining companies inviting them to participate actively in the web viewer.
- Develop the modeling of future scenarios for lithium mining.
- Submit a manuscript about lithium mining scenarios.