Project Update: June 2019

We are pleased to inform the advances of the project for monitoring and establishment of new areas of forest in Argentine chaco region. We expanded the study area, covering an ample land-use types along dry chaco region. Currently we have 70 plots in the field with forest information available for threatened native trees species (i.e., *Bulnesia sarmeintoi*, *Schinopsis lorentzii*, etc.), forest structure state and cover at least 10 years of growth dynamic of chaco forest. This information become valuable because the plots were installed below different land-uses and conservation areas. It will allow us to analyse the chaco forest structure and dynamics in natural reserves, indigenous communities and "puesto" areas within the region.

At present, the re-measurement of permanent plots installed will continue in the next months and will finish with the last 25 plots in the field. In parallel, we have calculated the proposed variables such as taxomic information, abundance, density, and frequency, as well as above-ground biomass and carbon stock. Forest dynamics and satellite analyses continue, principally in information recompilation state.

In the coming months, a publication will be sent in proposed journal *Forest Ecology and Management,* and the effort of installed permanent plots in the new expanded area, will be published as data paper format, with the purpose of showing and overtake more visibility from scientific community and NGOs in Argentine chaco region.

Fig. 1. Salta province. Forest surroundings in indigenous communities. In this case, Wichi etnia.

Fig. 2. Formosa province. Forest associated to Bermejo River. This areas are frequent to floods, and the typical vegetation are "Palosantales" and "Palms".

Fig. 3. Pizarro National Reserve (Salta province). Within the protected area is frequent see old trees and gaps by fall of these trees.

Fig. 4. Santiago del Estero province. The marked trees represent the center of the permanent plot, in this case Prosopis nigra specie.