



DRONE LOOKING FOR FREE AREAS NATURAL FERTILIZATION OF QUEEN BEES, VALLECITOS, LUJAN, MENDOZA, ARGENTINA.

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INTRODUCTION



- Beekeeping Production Model Integral 1986.
- Collaboration decisive in shaping the advisory Council beekeeping beekeeping Mendoza and provincial law
- Induction of selection and breeding Beekeeping by promoting competition.
- Promotion of living material = Competition queen Bees.



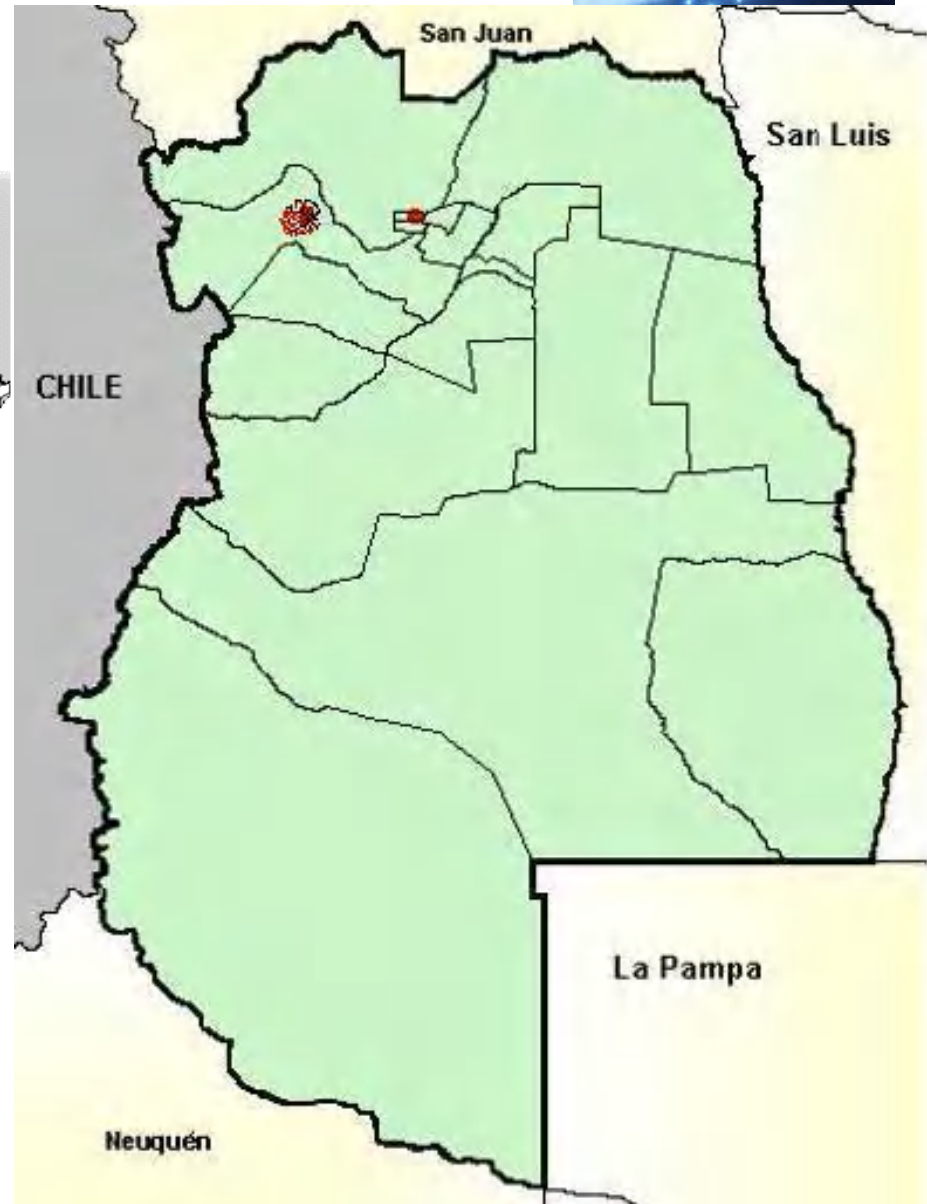
- The mobile of CAAM is to benefit the whole beekeeping →
- Designing a programa of selection and breeding beekeeping →
- Social INCLUSION .
- Controlled natural fertilization Queen Bees

Resolve Problems

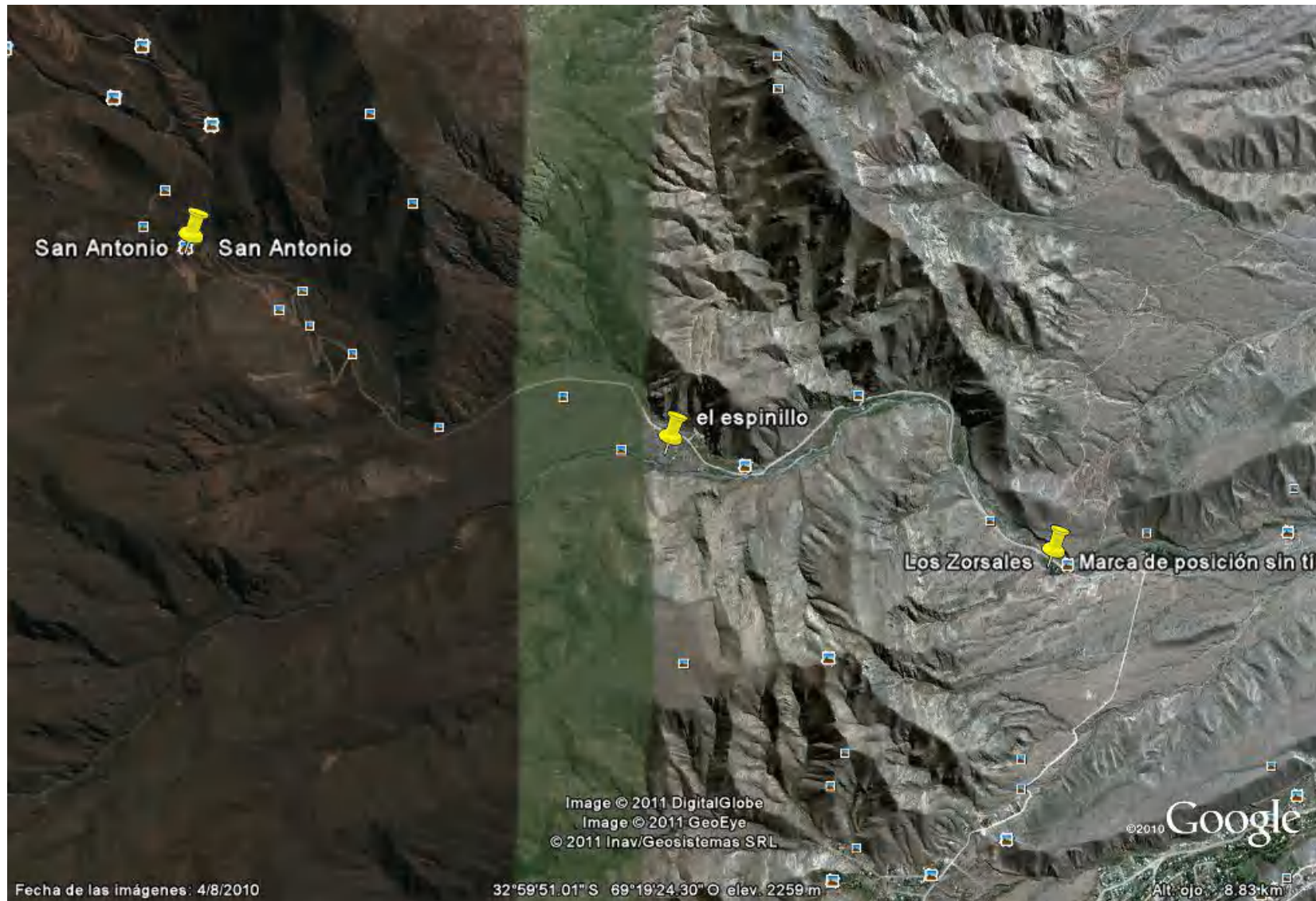


- CONTROL DRONES.
 - Genetically isolated area
 - Artificial Insemination alternative.
- VALLECITOS Valley LUJAN DE CUYO,
MENDOZA, ARGENTINA

Geographic location



Satellite photo of the place of reserarch.







Objectives



- Find out which sector of the valley of “Vallecitos”, in the town of Lujan de Cuyo, is free of drones and know the behavior of the temperature at three points equally spaced 5 km during the time of fertilization.

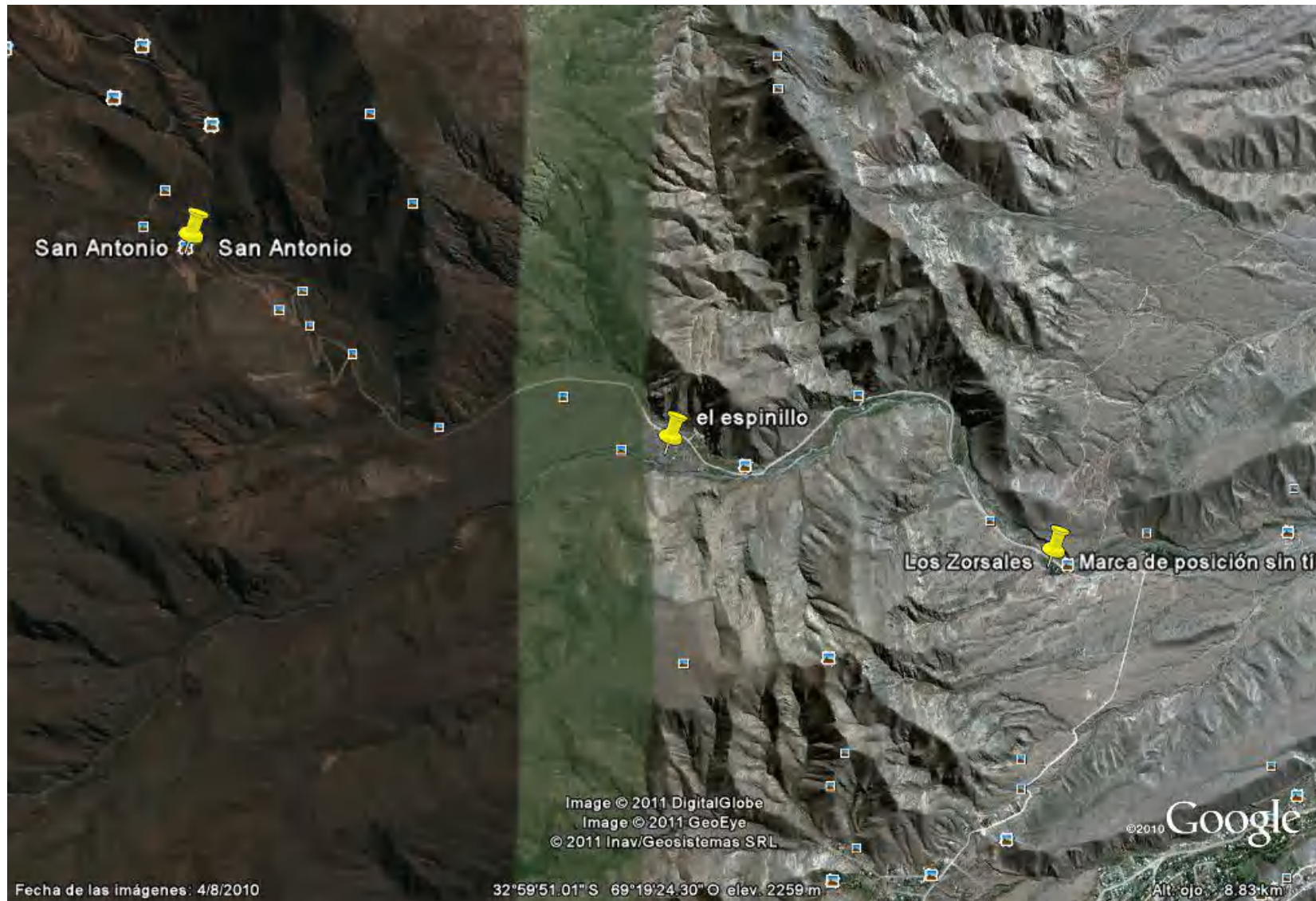


Materials and méthodes



- 3 were installed monitoring stations.
 - Each with 5 cores and temperature sensors.
 - Initiation experience ended on 15/10 and 30/01 repeated in two seasons.
 - Every 20 days was controlled fertilization and replaced the nuclei.

Satelital Photo









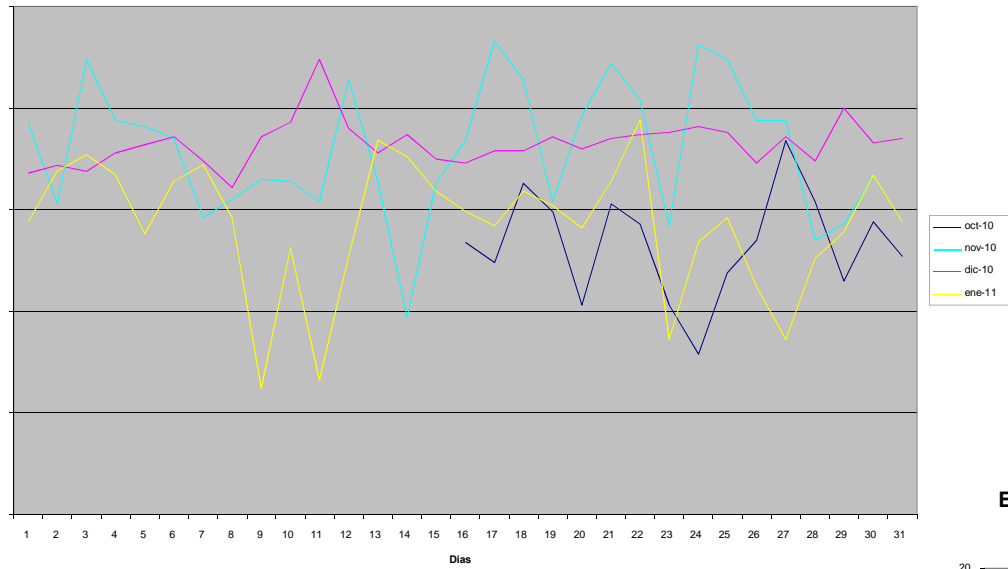




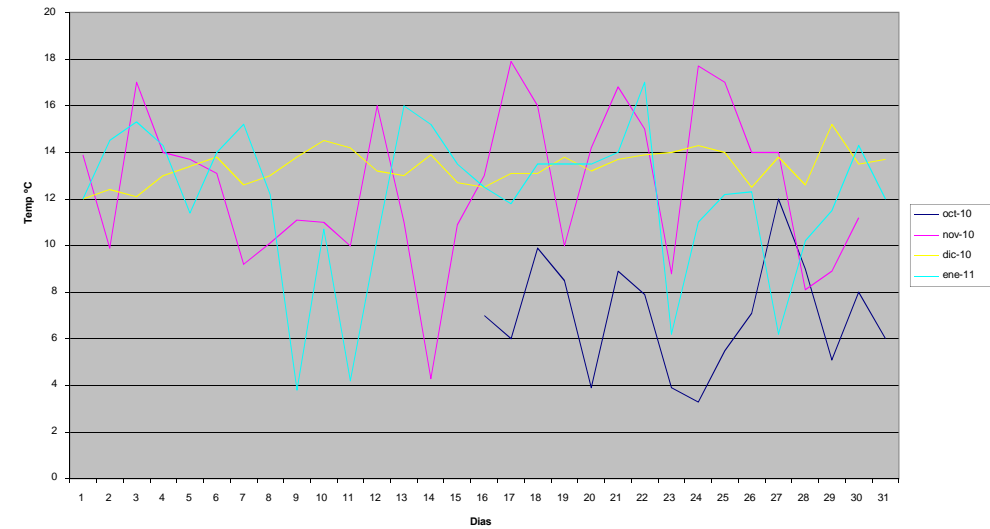




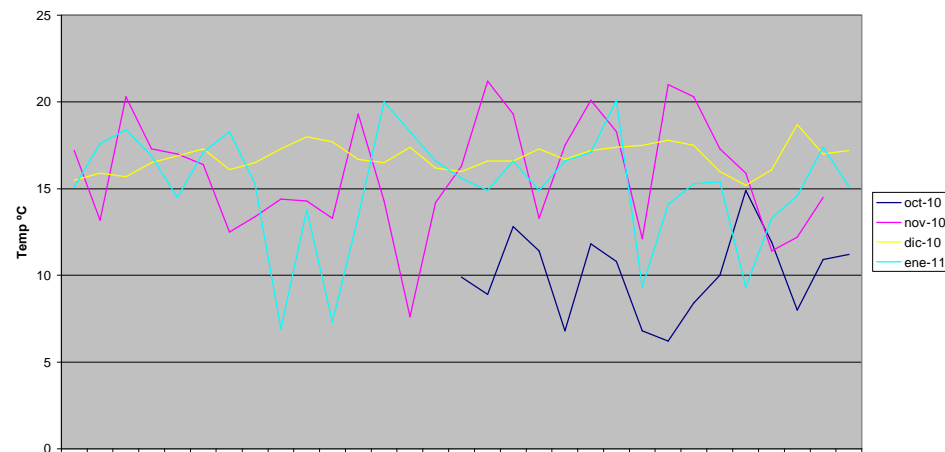
Evolucion Temperatura Los Zorales 10hs 2010 -2011



Evolucion Temperatura 10 hs San Antonio 2010 -2011



Evolucion Temperatura El Espinillo 10 hs 2010 -2011



Results



- October, November and December fertilization was not proven in any of the seasons.
- Daytime temperatures in October are below 20°C
- Daytime temperatures in February are below 20°C.

Conclusions



Vallecitos Valley is free from all the way Drones.

- Temperatures in the month of November to January are suitable for fertilization in place the Los Zorales, and Espinillo. In San Antonio should be fertilizations during the month of December.

Team Work



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