



## Beicip-Franlab has been present in **South and Central America** for the last 50 years offering its E&P consulting expertise and specialized software suite

For more than 50 years, we have been providing best-in-class consultancy and software solutions in exploration, reservoir, field development, production optimization, process optimization, and midstream-downstream studies. We are proud to have conducted 300 studies in South and Central America. We have been involved in some of the most challenging studies and worked on the biggest fields and basins. Fields and Basin studies include Campos Basin, Santos basin, Neuquen basin, Austral basin, Putumayo basin and Furial, Zapatos, Bachaquero, Sur, Papa Terra, Roncador, Iara, Encobr, and Marlim fields.

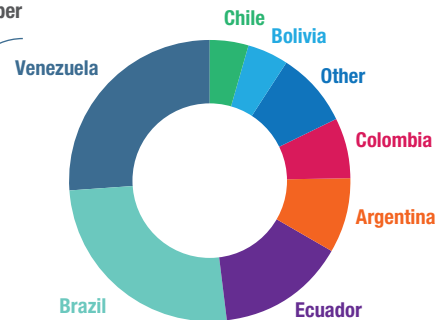
Our clients are national oil companies, international oil companies, independent and national agencies. Their confidence over the years testifies to the true value added of our partnership.

Indeed since the sixties we have continuously increased our presence in South and Central America earning the loyalty of our clients by together building long term strategies.

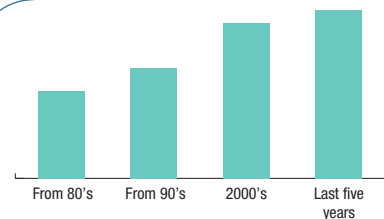
With our extensive experience in South and Central America and being an independent contractor we are the partner to assist your company's development and strategic decisions. Our solid knowledge of the region associated with our strong expertise are key to help you to make the right decision at the right time in a cost-effective way.

Whether it's for petroleum system assessment, basin modeling, reservoir characterization, simulation, assisted history match or uncertainties we offer a wide range of advanced software modules. Our multi-disciplinary approach, developed thanks to our studies and IFPEN R&D, enables us to provide rich workflows oriented platform, well known and deployed since early 2000 in South and Central America.

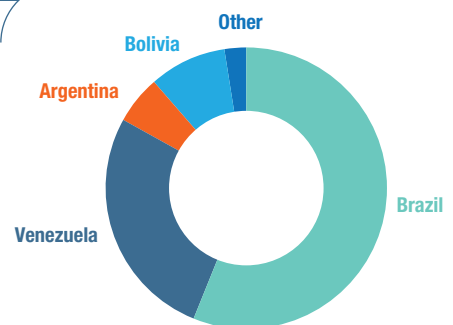
Distribution of studies per country since Eighties



Number of studies since Eighties



Software users since 2000



# Beicip-Franlab's experience in South and Central America



## NICARAGUA

- Petroleum potential evaluation of the Caribbean Sea
- Assistance in the preparation of the exploration promotion
- Assistance in the exploration promotion preparation

## COLOMBIA

- Basin modeling
- Structural studies
- Determination of the hydrocarbons in place
- Reserve estimates and prospect ranking
- Economic evaluation of the E&P assets

## VENEZUELA

- Exploration evaluation
- Basin modeling & geological modeling
- Seismic interpretation & inversion structural model
- Technical assistance
- Multi-disciplinary study, field studies, fracture studies, feasibility studies, integrated reservoir studies and evaluation studies

## ECUADOR

- Prospect evaluation
- Technical advisory services for the XI bidding round
- Geological model
- Field performance
- Reserve estimation
- EOR Feasibility studies
- Feasibility studies of heavy oil fields
- Technical Assistance.
- Expert opinion on a unitization process
- Engineering studies for the interconnection of the 2 terminals
- Refinery bottlenecks with heavier feed
- Economic evaluation of marginal fields development
- Pollution studies

## TRINIDAD

- Evaluation on source maturation, petroleum migration and seal quality
- Pre-stack inversion for density estimation

## SURINAM

- Petroleum system studies

## BRAZIL

- Structural, stratigraphic framework, depositional environment, petrophysics and petroleum system modeling and carbonate play assessment
- Seismic characterization & interpretation
- 3D fracture model
- Unitization projects
- Expert opinions - Technical review
- Multi-disciplinary studies, integrated studies, integrated reservoirs studies, stratigraphic studies and petro-elastic studies
- Due diligence
- Economic analysis

## PERU

- Petroleum basin evaluation
- Field development feasibility studies and development assistance
- Feasibility studies of water injection

## BOLIVIA

- Technical Assessment Exploration
- Feasibility study for elaborating seismic attributes
- Technical audit
- Fracture network characterization . Clastic reservoir modeling. Comparison with outcrop analogues.
- Petroleum exploration play-types in the Sub-Andean basins

## PARAGUAY

- Review of petroleum exploration activities. Recommendations for plans of action for natural gas exploration
- Economic evaluation of a gas farm-in proposal

## ARGENTINA

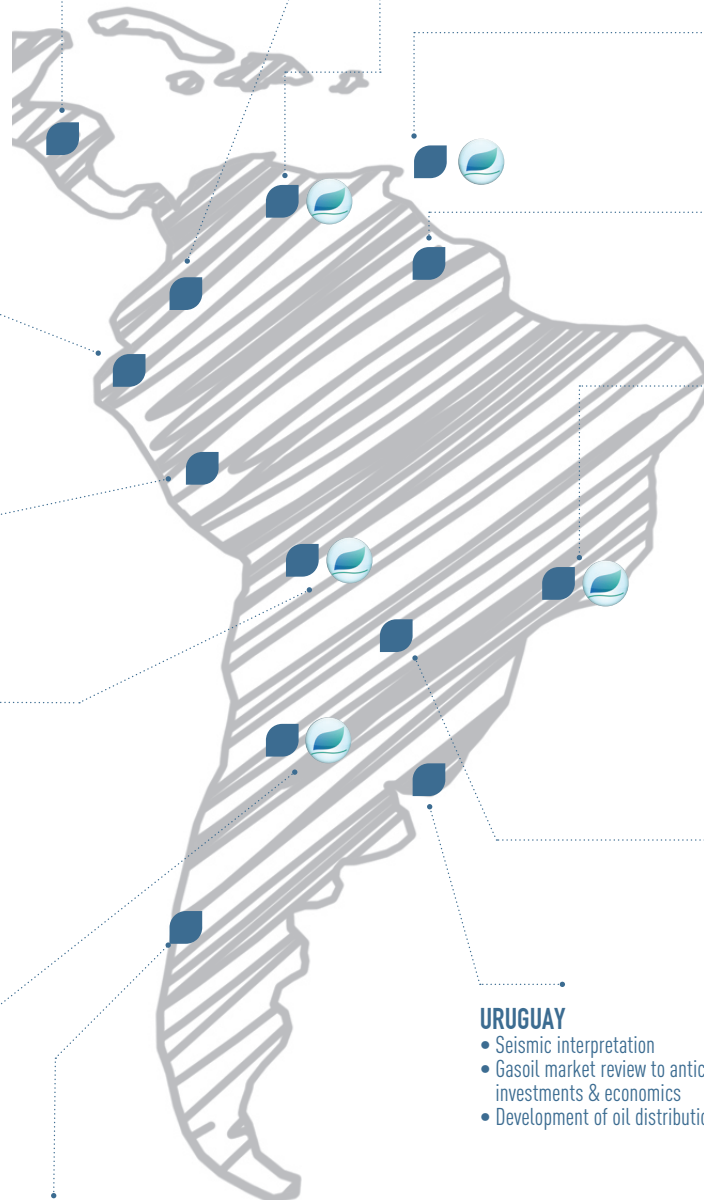
- Shale oil/gas potential Cuyo Basin - 2D/3D basin modeling. Risk analysis
- Shale gas evaluation, identification of prospective areas
- Evaluation studies, paleozoic reservoirs
- Seismic interpretation, 3D seismic project
- Petrophysics
- Stratigraphic modeling
- Fractured reservoir characterization, modeling and simulation studies
- Integrated field studies
- Economic evaluation

## URUGUAY

- Seismic interpretation
- Gasoil market review to anticipate investments & economics
- Development of oil distribution

## CHILE

- Petroleum exploration play-types in the Sub-Andean basins
- Subsurface geological studies
- Reserve estimates production forecasts



Beicip-Franlab software users

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