

RÍO NEGRO

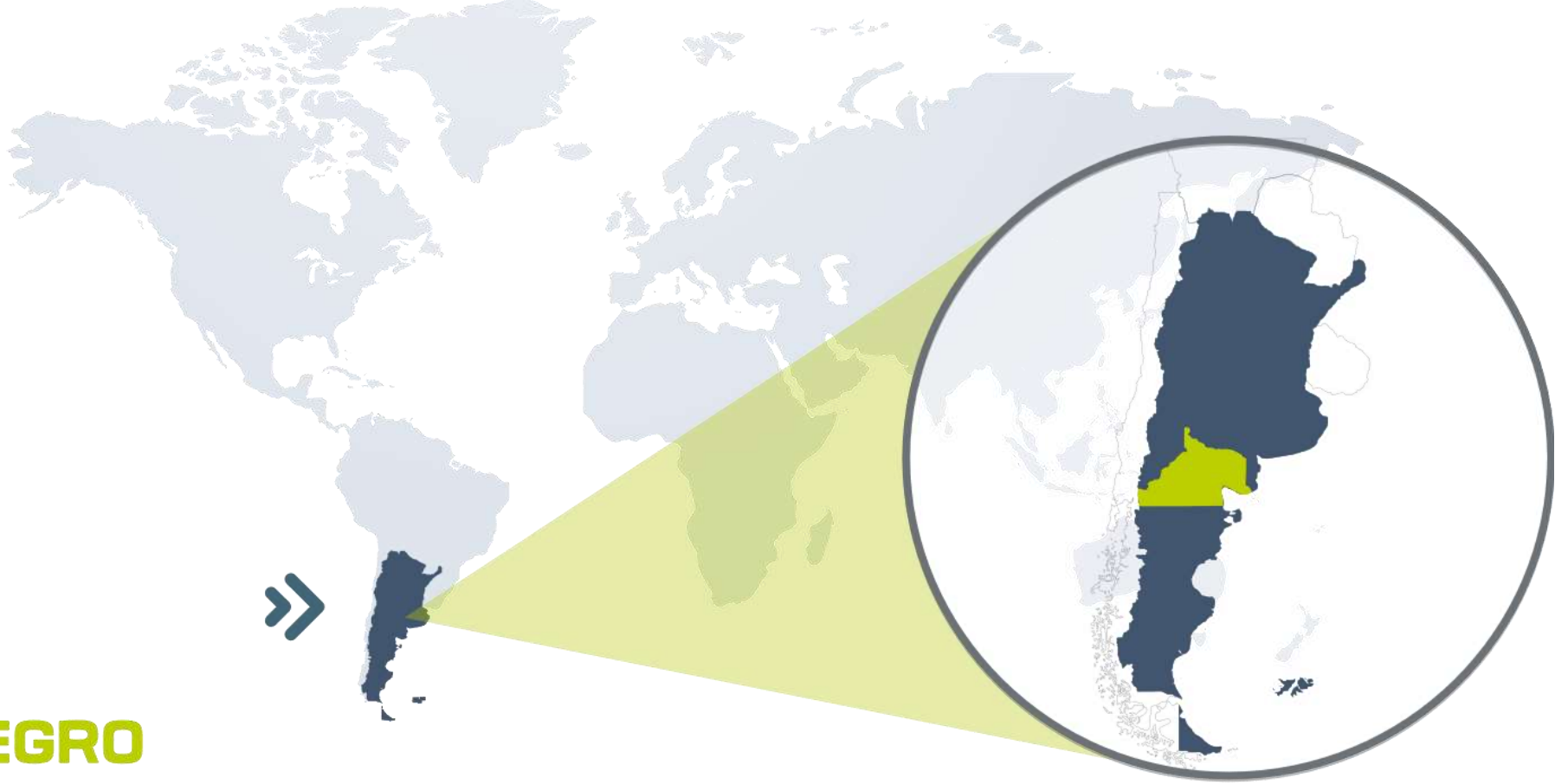
Expanding Frontiers for Mining
Development in Patagonia



RÍO NEGRO

>> ARGENTINA

>> Province of Río Negro



Río NEGRO
ARGENTINE PATAGONIA



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>> RÍO NEGRO

>> Argentine Patagonia

Located north of Argentine Patagonia

DIVIDED into **4 REGIONS**

- Andean
- Steppe
- Valley
- Atlantic



Population
750.000



Total Area
203.013 Km2
26% of the Patagonia



>> Main Cities

San Carlos de Bariloche: **180.000**

General Roca: **150.000**

Cipolletti: **130.000**

Viedma: **80.000**



Access to the Mar Argentino

Golfo San Matías

Major rivers

- Negro
- Limay
- Colorado
- Neuquén



>> RÍO NEGRO

>> A diversified economy



PATAGONIAN PRODUCER

730,000 heads



64%

NATIONAL STOCK IS PATAGONIAN



Chubut

3.400.000 (31%)

Santa Cruz

2.400.000 (22%)

Río Negro

1.250.000 (11%).



2° LARGEST EXPORTER WORLDWIDE

48%

OF SOUTHERN HEMISPHERE PRODUCTION

4%

WORLD PRODUCTION

EXPORTATION RN

84%

FRUITS AND DERIVATIVES



4° JURIDICCION IN INFRASTRUCTURE FOR ACCOMMODATION

BARILOCHE



CITY WITH THE HIGHEST NUMBER OF OVERNIGHT STAYS AFTER OPENING COVID-19

Hotels and restaurants account for 4% of provincial GVA.



1° NATIONAL PRODUCER

Gypsum

600.000 tn/year

Diatomite

160.000 tn/year

Bentonite

150.000 tn/year

EXPORTATION 25%



35 AREAS IN OPERATION

5° OIL PRODUCER

7° GAS PRODUCER



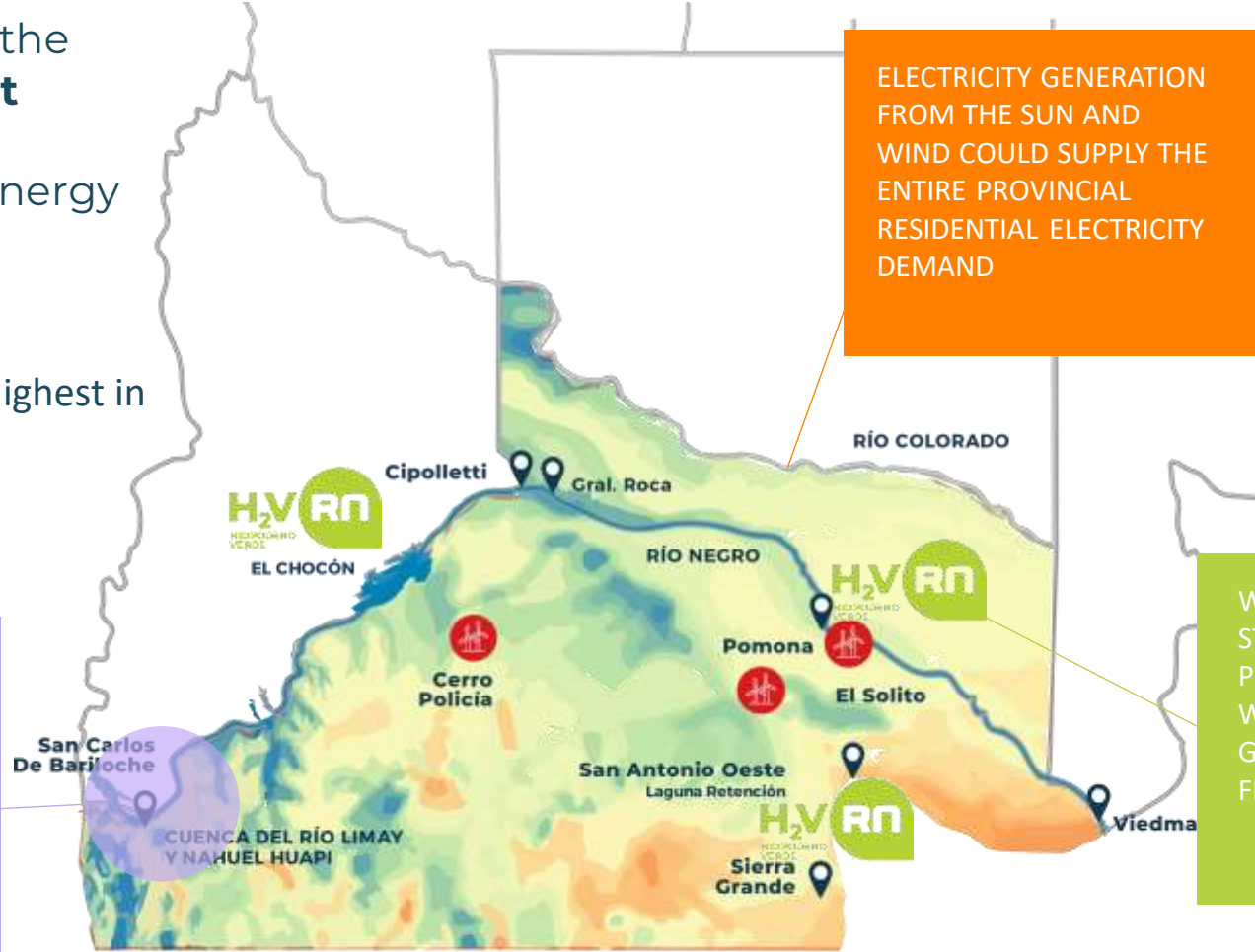
>> ENERGY TRANSITION

>> With Río Negro natural resources

Río Negro is one of the places with the **best conditions and opportunities** for energy transition..

Average wind speed:
8 to 12 m/s one of the highest in the world.

MORE THAN 50
WATERFALLS AND
HYDROELECTRIC DAMS
THAT COULD SUPPLY 55%
OF THE ELECTRICITY
DEMAND IN THE ANDEAN
ZONE AND THE VALLEY



WIND
RESOURCES RN

2,5
3,8
5,2
6 a 12

WATER
AVAILABILITY



>> ENERGY TRANSITION

>> With Río Negro mineral resources

Río Negro has the presence of **usable minerals in conditions to be exploited** in order to facilitate the development of scenarios linked to a necessary **energy transition**.

The **design of public policies** for the sector seeks to **create certainty** around the possibility of **reliable and sustainable supplies** of these minerals.



>> MINERAL RESOURCES

>> In the Provincial Strategic Plan



70%

Surface of Río Negro



- ✓ **Geological formations** with the potential to contain **economically exploitable** mineral concentrations (deposits).
- ✓ Metalliferous **mining**, energy and industrial **wealth**.
- ✓ It has full autonomy and **ownership of its natural resources**.



>> PRODUCTION

>> Mining Districts – National Leader in Industrials



- ALTO VALLE
- LOS MENUÇOS
- JACOBACCI
- VALCHETA
- SIERRA GRANDE
- CORDILLERA

1° NATIONAL LIDER

INDUSTRY

PRODUCTION

EXPORTATION

EXPLORATION



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>>> PRODUCTION

>>> Siliceous sands of Río Negro

Nearby and proven **alternative**, with quarries only **300 kms** from the basin.

Expected future demand for sand by 2030 would **exceed 85% of current national production.**

More than **800 quarries** in Río Negro..
4 ongoing projects and 3 washing plants



**30M U\$D
INVESTMENT**

1.5 M tn/year



**200M U\$D
INVESTMENT**

1M tn/year



**Aluvional
Logística**

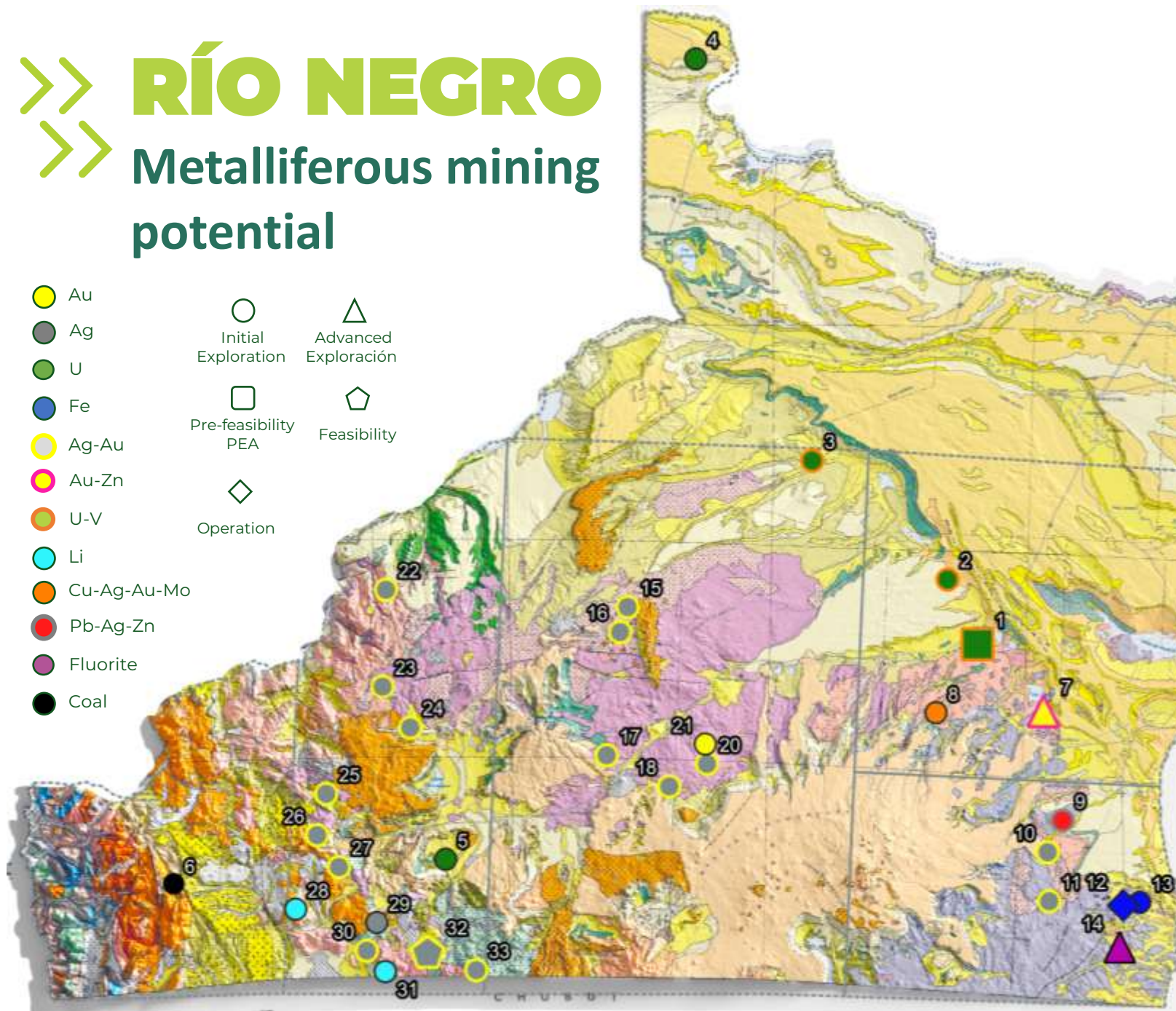
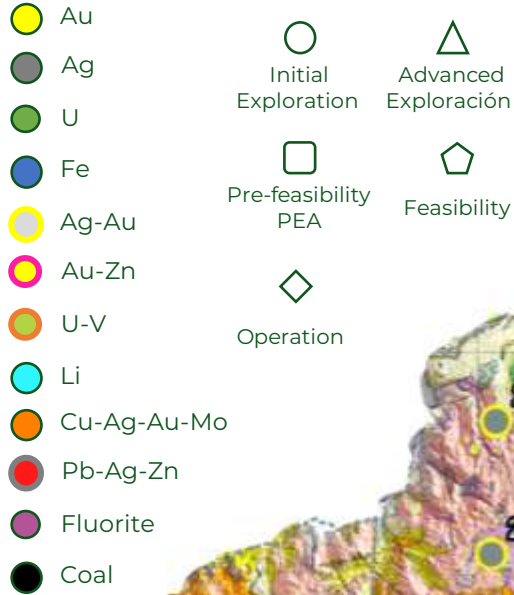
**16M U\$D
INVESTMENT**

**300.000
tn/year**



>> RÍO NEGRO

>> Metalliferous mining potential



- 1- 🇨🇦 MINERA CIELO AZUL (Ivana)
- 2- 🇨🇦 MINERA CIELO AZUL (Anit)
- 3- 🇨🇦 MINERA CIELO AZUL (Santa Barbara)
- 4- 🇦🇷 CNEA (Mari)
- 5- 🇦🇷 CNEA (Kaia)
- 6- 🇦🇷 TRENDIX MINING (Las Bayas)
- 7- 🇨🇦 MINERA SAN ROQUE (San Roque)
- 8- 🇦🇷 TRENDIX MINING (Valcheta)
- 9- 🇦🇷 AUSTRALIA PROSPECTING PARTNERS (AAP)
- 10- 🇦🇷 LELEQUE EXPLORACIONES (El Morro)
- 11- 🇦🇷 LELEQUE EXPLORACIONES (Tamariscos)
- 12- 🇨🇦 MCC (Sierra Grande)
- 13- 🇨🇦 ARGENTINA LITIO Y ENERGIA (Fiero)
- 14- 🇨🇦 HANAQ (Delta XXI)
- 15- 🇦🇷 VALCHETA EXPLORACIONES (La Esperanza)
- 16- 🇨🇦 SOUTHERN COPPER (La Esperanza)
- 17- 🇦🇷 VALCHETA EXPLORACIONES (Cuya)
- 18- 🇦🇷 RIO DE ORO (Caltruna)
- 19- 🇨🇦 SCRIN PROPERTIES LTD (Menucos)
- 20- 🇦🇷 LELEQUE EXPLORACIONES (Cerro Blanco)
- 21- 🇦🇷 TRENDIX MINING (Cerro Choique)
- 22- 🇦🇷 IVAEL MINING (Vista Alegre)
- 23- 🇨🇦 TRITON (Pilahue)
- 24- 🇨🇦 SOUTHERN COPPER (Cañadón del Moro)
- 25- 🇦🇷 IVAEL MINING (El Rosillo)
- 26- 🇦🇷 LOS DOMOS (Paredes)
- 27- 🇦🇷 IVAEL MINING (Buitrera)
- 28- 🇨🇦 ELECTRIC METALS (-)
- 29- 🇨🇦 NOSERMAN SILVER (Taquetrén)
- 30- 🇦🇷 LELEQUE EXPLORACIONES (Escondido)
- 31- 🇦🇷 CONDOR PROSPECTING (Lipetrén)
- 32- 🇨🇦 MINERA AQUILINE (Calcatreu)
- 33- 🇦🇷 LELEQUE EXPLORACIONES (El Duende)



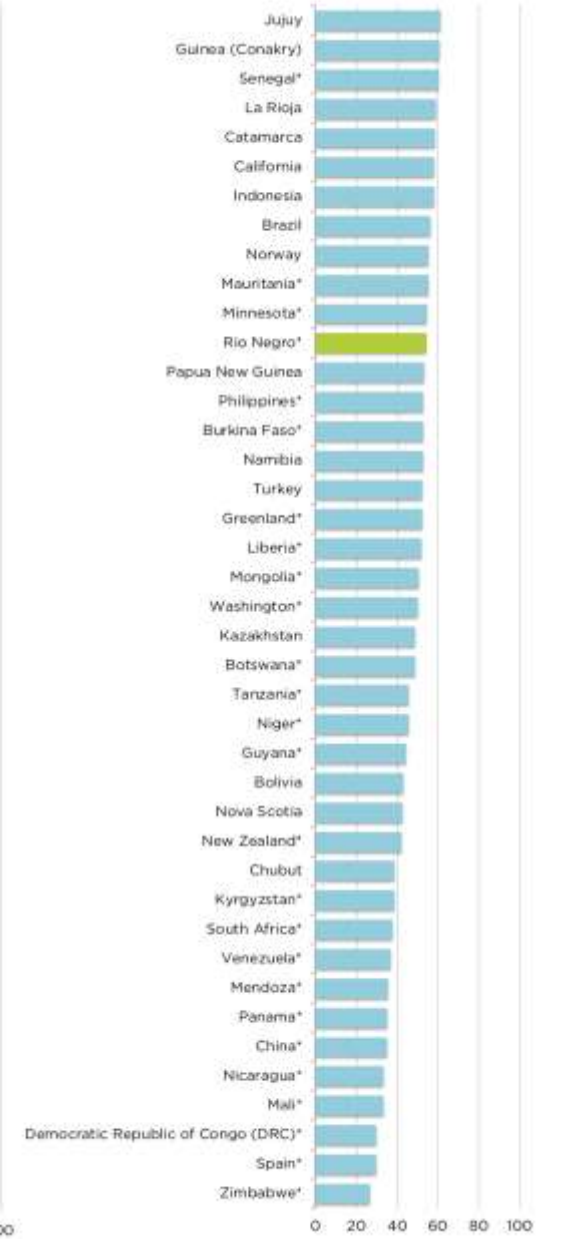
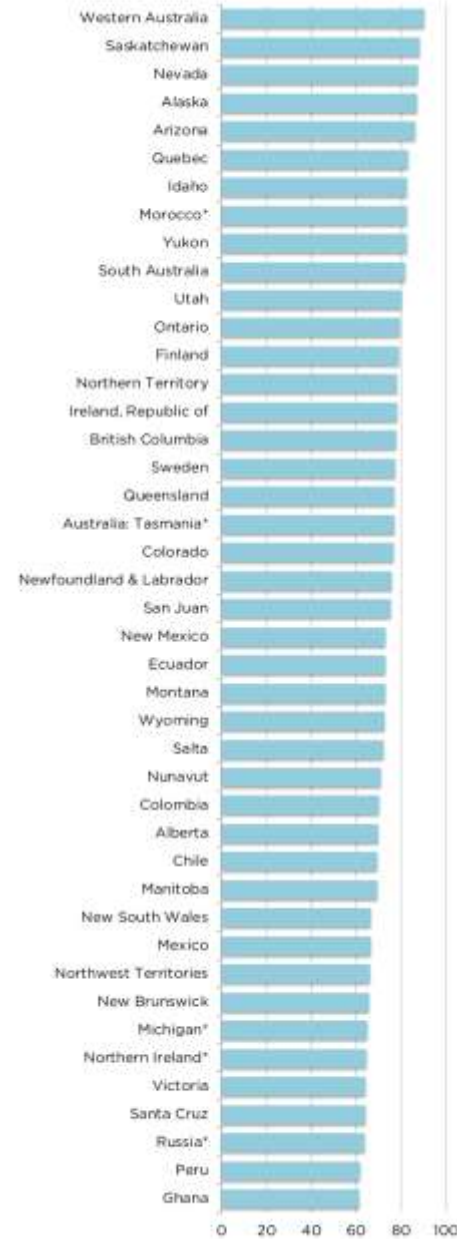
>>> RÍO NEGRO

>>> Ránking Fraser 2021

Fraser Institute **annual sectoral survey of investment attractiveness of different jurisdictions**

55° POSITION

SEVENTH JURISDICTION
ARGENTINE MINING
JURISDICTION



>> INVESTMENT ADVANTAGES

>> Broad and diverse connectivity



BARILOCHE

INTERNATIONAL AIRPORT



VIDMA

FUTURE INTERNATIONAL AIRPORT



PATAGONIAN TRAIN



SAN ANTONIO ESTE

DEEP-WATER PORT

PUNTA COLORADA

MINERAL PORT

INTERNATIONAL PASSAGE PUERTO MONTT

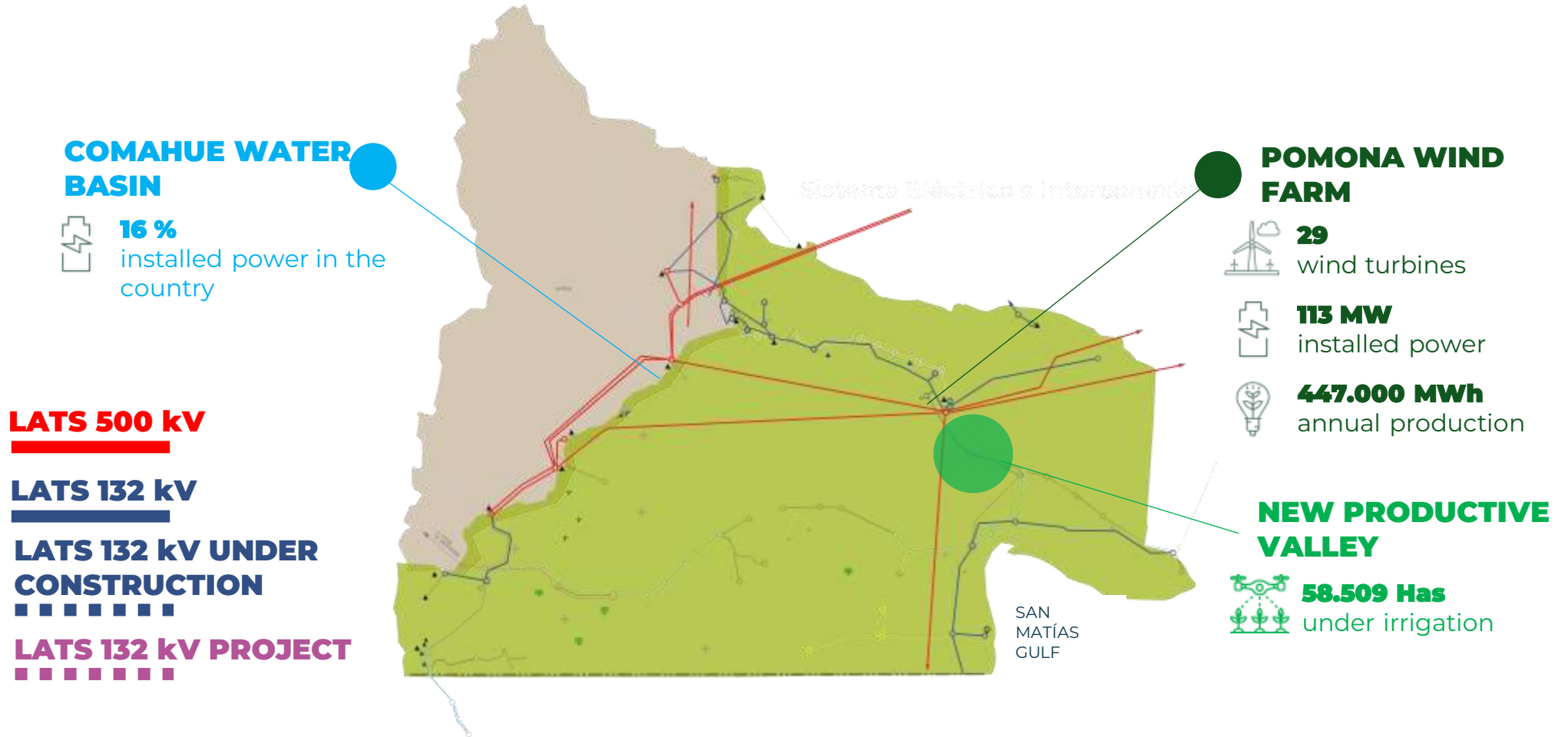
PACIFIC ACCESS



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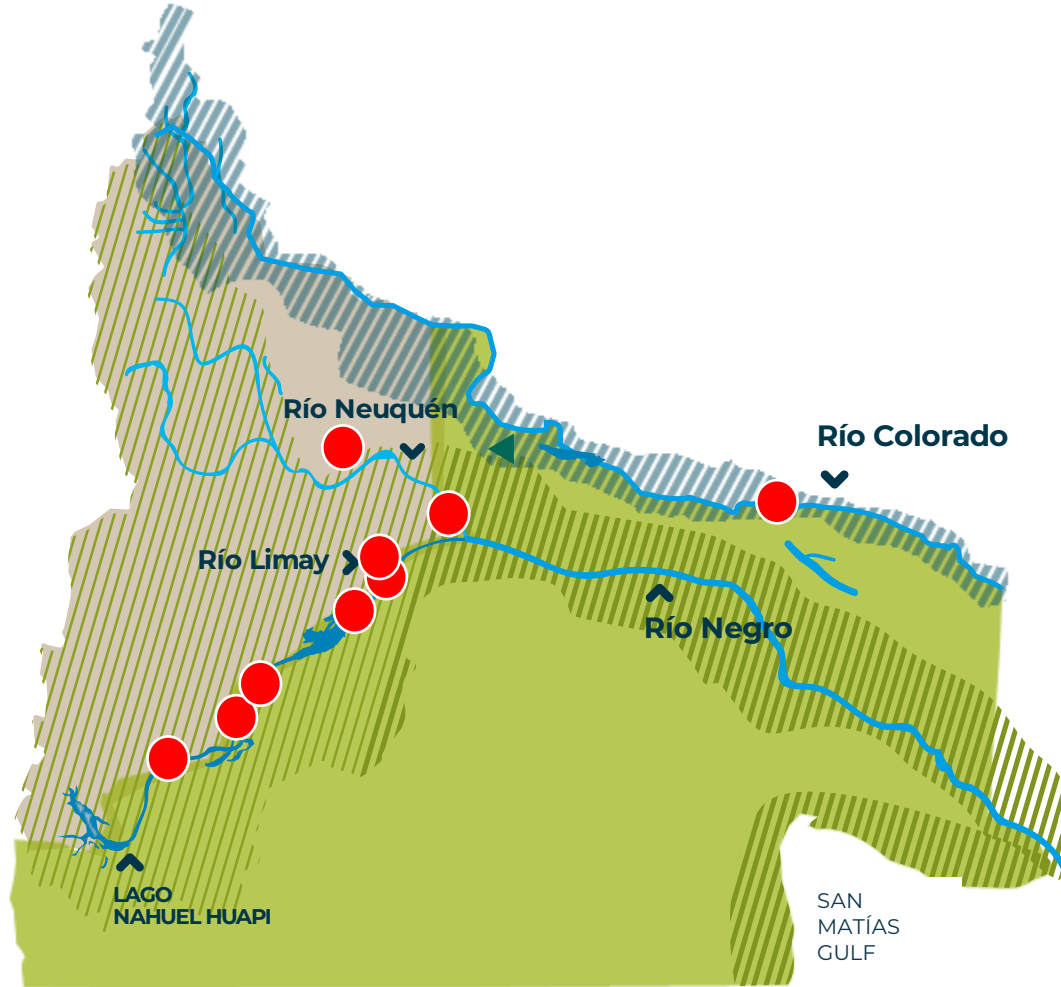
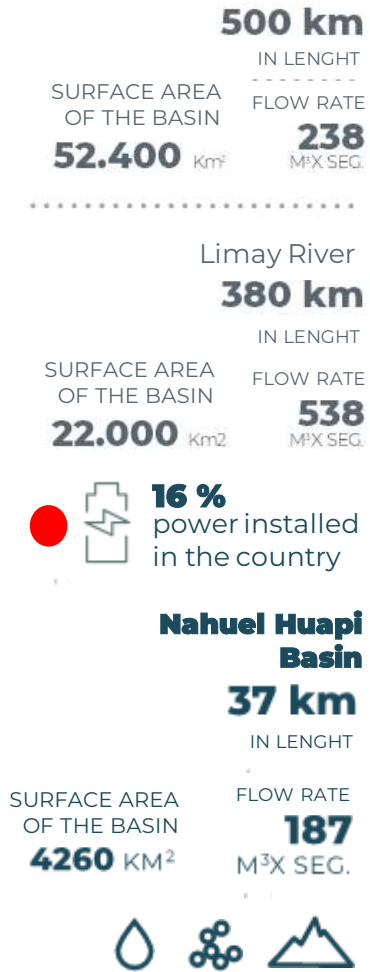
>> INVESTMENT ADVANTAGES

>> High voltage electricity generation and transmission



>> INVESTMENT ADVANTAGES

>> Water as a natural resource



1000 km
IN LENGHT

FLOW RATE
145
M³X SEG.

SURFACE AREA
OF THE BASIN
70.000 KM²

Río Negro
720 km
IN LENGHT

FLOW RATE
720
M³X SEG.

SURFACE AREA
OF THE BASIN
132.280 KM²

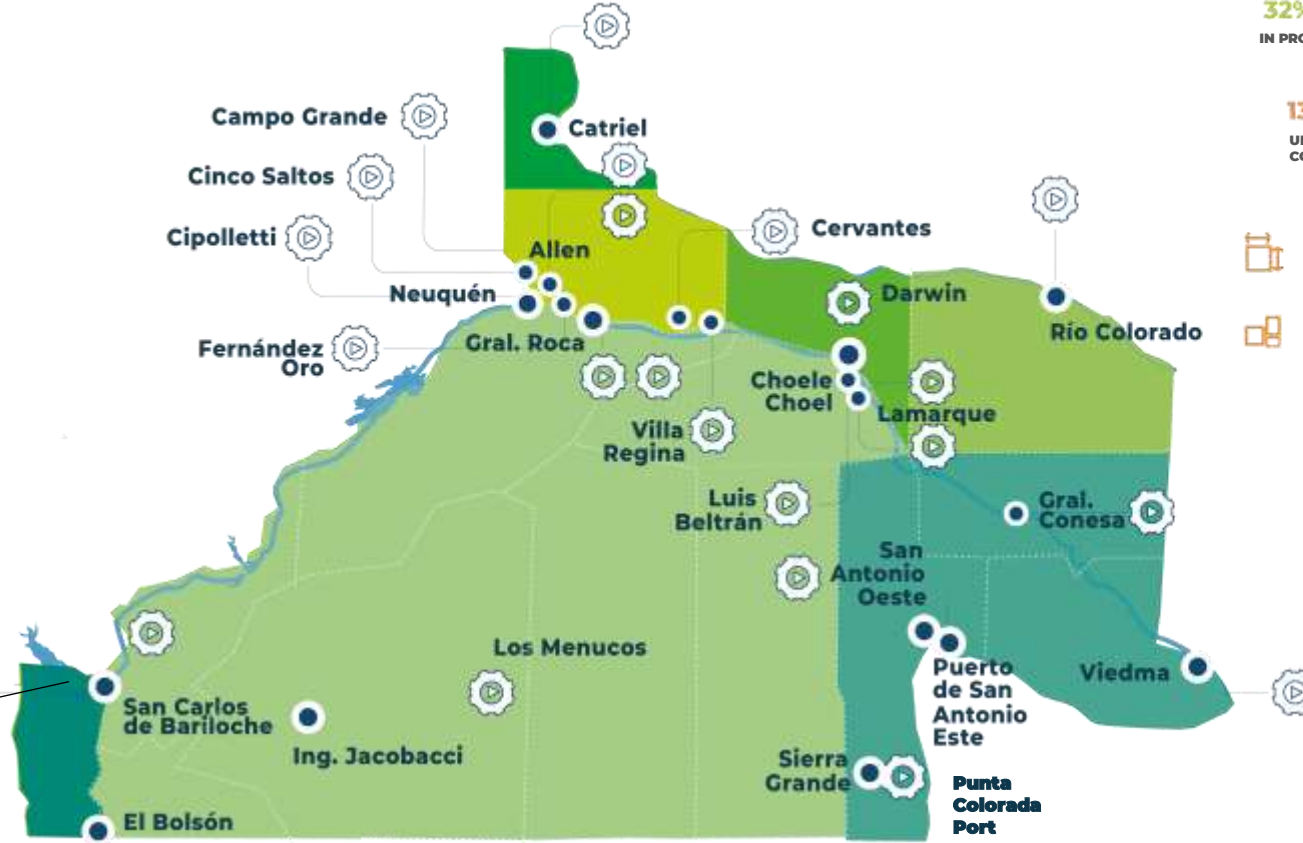


>> VENTAJAS PARA LA >> INVERSION

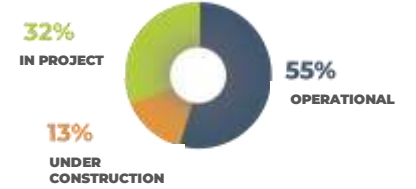
Industrial Parks

REFERENCES

- Norte
- Alto Valle
- Valle Medio
- Nordeste
- Línea Sur
- Atlántica
- Andina



650 COMPANIES
LOCATED IN RN



2.410 has
SURFACE

1.701 LOTES
PLOTING

PROJECT
1.250 has
NEW PARKS

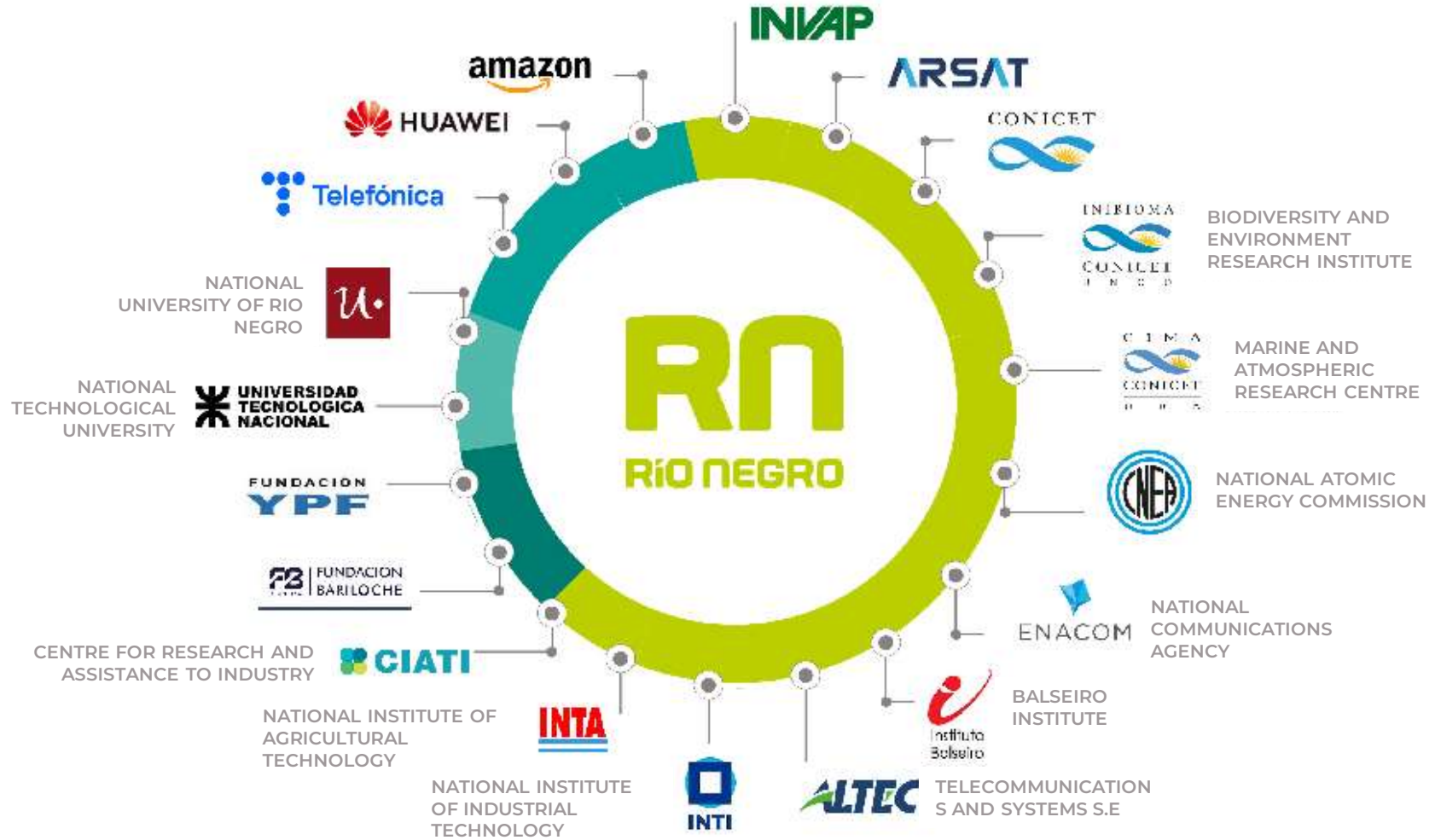
ALLEN NORTE
GRAL ROCA II
LOS MENUCOS
DARWIN

CERVANTES
CAMPO GRANDE
GRAL. CONESA



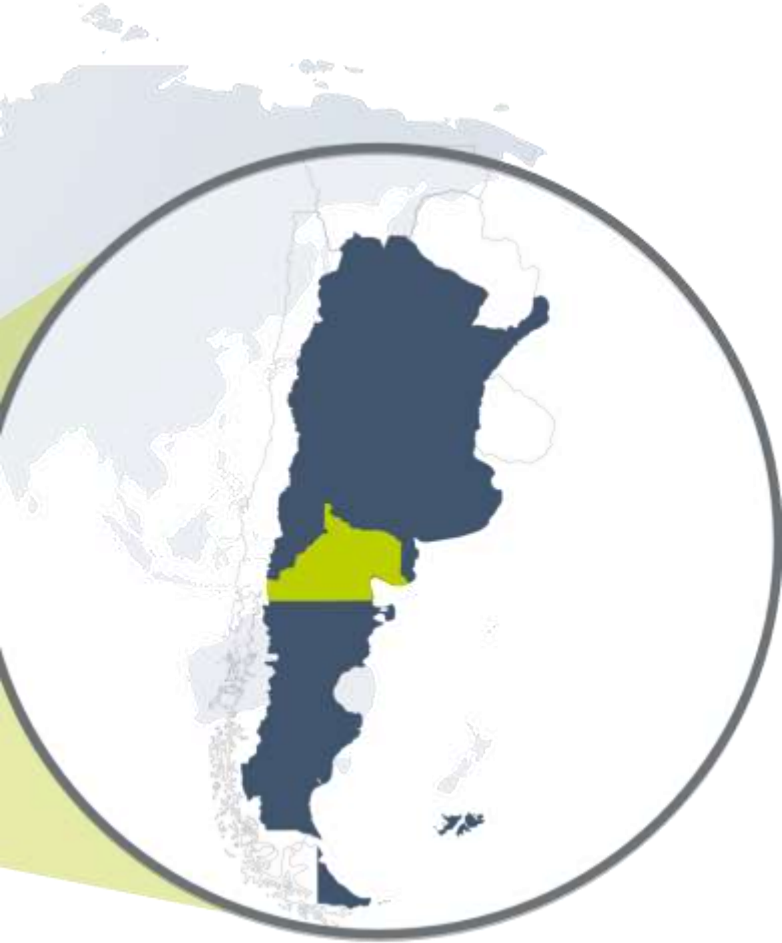
>> INDUSTRIAL ESTATES

>> Scientific and Technological Cluster - BARILOCHE



>> LEGAL SECURITY

>> National and Provincial Legal Framework



	FEDERAL GOVERNMENT	PROVINCES
Natural Resources		●
Mining Code	●	
Code of Mining Procedure - Mining Authority		●
Mining Concession and Permits		●
Mining Investment Law	●	
Provincial Mining Promotion		●
Environmental Regulations	●	●
Provincial Mining Environmental Assessment Board		●



>> PROJECT MILESTONES

>> Accompaniment, control and citizen participation



SOCIAL
LICENCE

P.A.C.
Community Outreach
Protocol

M.P.A.
Participatory Water
Sampling

Co.P.E.A.M.
Provincial Evaluation
Council A.M.



ENVIRONMENTAL
CARE

DJA
Without
perforation
(art. 33 Law 4941)

DJA
With perforation
(art. 33 Law 4941)

D.J.B.P.
(art. 34 y Law 4941)

DJA
Production
(art. 33 Ley 4941)



DESARROLLO
LOCAL

Prospection

Exploration

P.E.A.

Feasibility

Construction

Operation

SEARCH

MD

MINE

Programme
Minimum
(art. 48 Law
4941)

Installation
Works
Exploration
(art. 57 Law
4941)

Final report
(art. 57 Law
4941)

MD
(art. 65 y 55g
Law 4941)

Registration
(art. 68 Law 4941)

Legal Labor
(art. 69 Law
4941)

Measuring
(art. 70
Law 4941)

Plan and
Amount
(art. 217
Mining Code)



>> PROVINCIAL LEGAL FRAMEWORK

>> Community Outreach Protocol (P.A.C.)



SOCIAL
LICENCE

P.A.C.
Community Outreach
Protocol

M.P.A.
Participatory Water
Sampling

Co.P.E.A.M.
Provincial Evaluation
Council A.M.

COMPLIANCE

Convention 169 OIT, effective participation of communities.

Escazú Agreement, environmental information, public participation

Gender policies applied transversally to all stages of the mining activity.

STAGES

Preliminary: Application for area to be explored, meeting with mining authority. With presentation of projects.

Outreach: Prior to the start of activities in the field, appropriate links should be established for the proper dissemination of information.

Development of activities: once the social relationship has been initiated.

Completion: Regardless of whether the company wishes to move forward with the work, care should be taken to maintain a strong and trusting relationship.

OBJECTIVE

Ensure good practices in the activity before, during and after the activity is carried out.

Accompanying the process of rapprochement between the Company and the Community.

To strengthen and materialise the pillar values, in order to generate a positive link with the community of interest.



>> PROVINCIAL LEGAL FRAMEWORK

>> Participatory Water Sampling (M.P.A.) Res. AM N°252/2022



STAGES

- 1° Before drilling begins
- 2° During drilling (mid-campaign)
- 3° After the end of the drilling campaign

PARTICIPANTS

Secretary of Mining (SecMin)

Secretaría Ambiente y Cambio Climático (SAyCC)

Departamento Provincial de Aguas (DPA)

Defensoría del Pueblo.

Intendant nearby locality

Circuit legislators.

Surfaces Owners/Landowners/Original Communities

Consejo de Desarrollo Indígenas (CoDeCi)

OBJETIVE

Environmental management tool

Citizen participation

Transparency

Publicity

Environmental Commitment



>> PROVINCIAL LEGAL FRAMEWORK

>> Provincial Mining Environmental Assessment Board. Law N°4.738.



INTEGRATION

Energy Secretary
(1) Secretary of Mining
(1) Secretary of Environment
(3) Legislators
(1) Representative of the municipality
(1) UNRN Representative
(1) NGO Representative
(1) Native people's representative
(1) INVAP Representative

**Authorities
Application**

PROCEDURE

Environmental Impact Assessment (EIA)
Technical opinion (T.D.) of the Mining Sec.
Opinion of S AyCC
Council Concluding Opinion
Public hearing prior to environmental authorisation

OBJECTIVE

Constructive participation of technical-scientific representatives
Minimising environmental risks
Prior and informed consultation with the public
Transparency
Legality and legitimacy of projects



>>> SOCIAL LICENCE



WHICH INSTITUTIONS ARE INVOLVED?



>> ENVIRONMENTAL CARE.

>> Spatial Data Infrastructure

Work is being carried out with INVAP on the development of a **software** with **Artificial Intelligence** that will allow **remote satellite sweeps** to optimise resources and facilitate decision making.

It has a mobile section, **adapted for inspectors mobile phones**, which will allow them to consult the mining cadastre and the files of each mining producer in real time.

Investment in excess of
800.000 U\$D

INVAP

ALTEC

amazon



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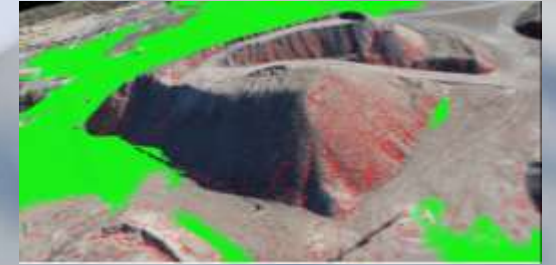
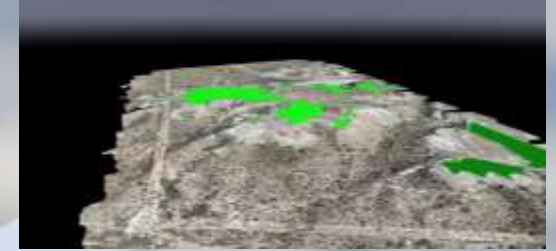
RN
RIO NEGRO
PURA ENERGIA

>> ENVIRONMENTAL CARE.

>> Drones for cubing and surveying



- ✓ Innovation
- ✓ Accuracy
- ✓ Efficiency



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RÍO NEGRO

Expanding Frontiers for Mining Development in Patagonia



**LICENSE/SOCIAL
CONSENSUS**
(pre-existing rights)



ENVIRONMENTAL CARE



**LOCAL
DEVELOPMENT/PROGRESS**
(suppliers and employment)



THANK YOU

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