

NATIONAL AGENCY FOR RESEARCH AND DEVELOPMENT OF CHILE - ANID

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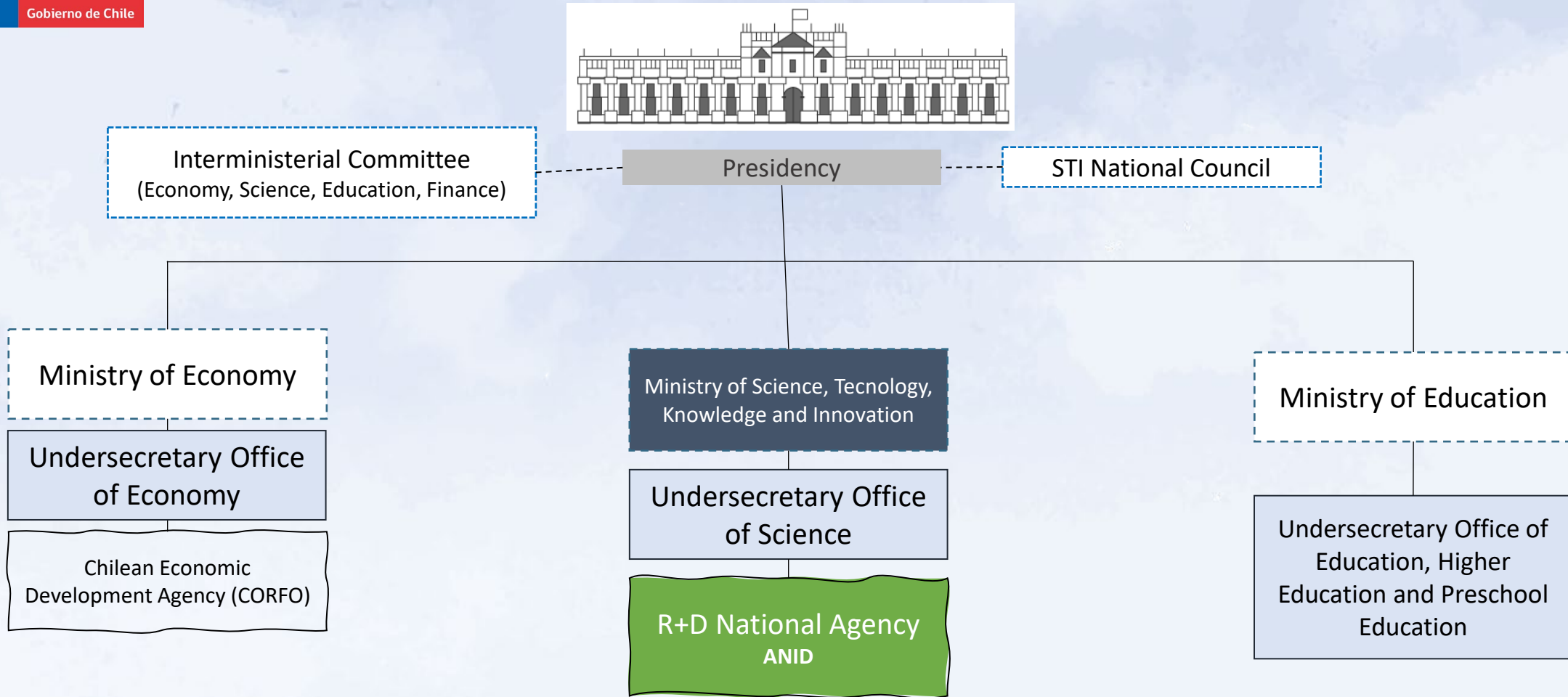
Internationalization
Networks, Strategy and Knowledge Sub-direction

ANID



INSTITUTIONAL FRAMEWORK IN CHILE

Science and Innovation related activities are overseen by three different ministries



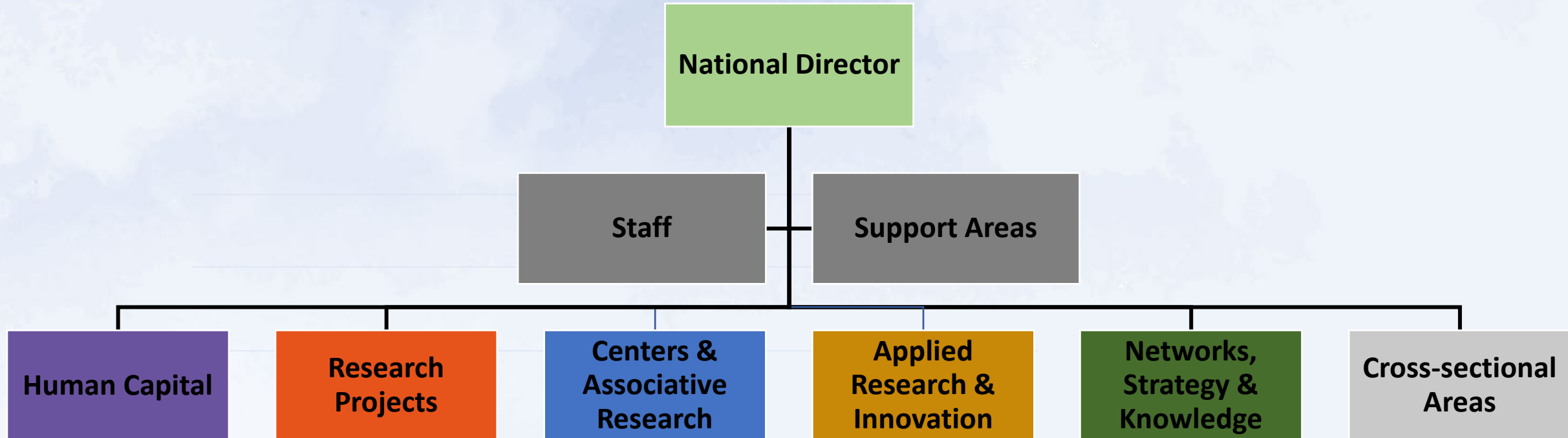
NATIONAL AGENCY FOR RESEARCH AND DEVELOPMENT

- Approximately 60% of the public budget in science and technology is financed by Chile through ANID.
- We are the Agency responsible for IMPLEMENTING the national public policy on R&D.

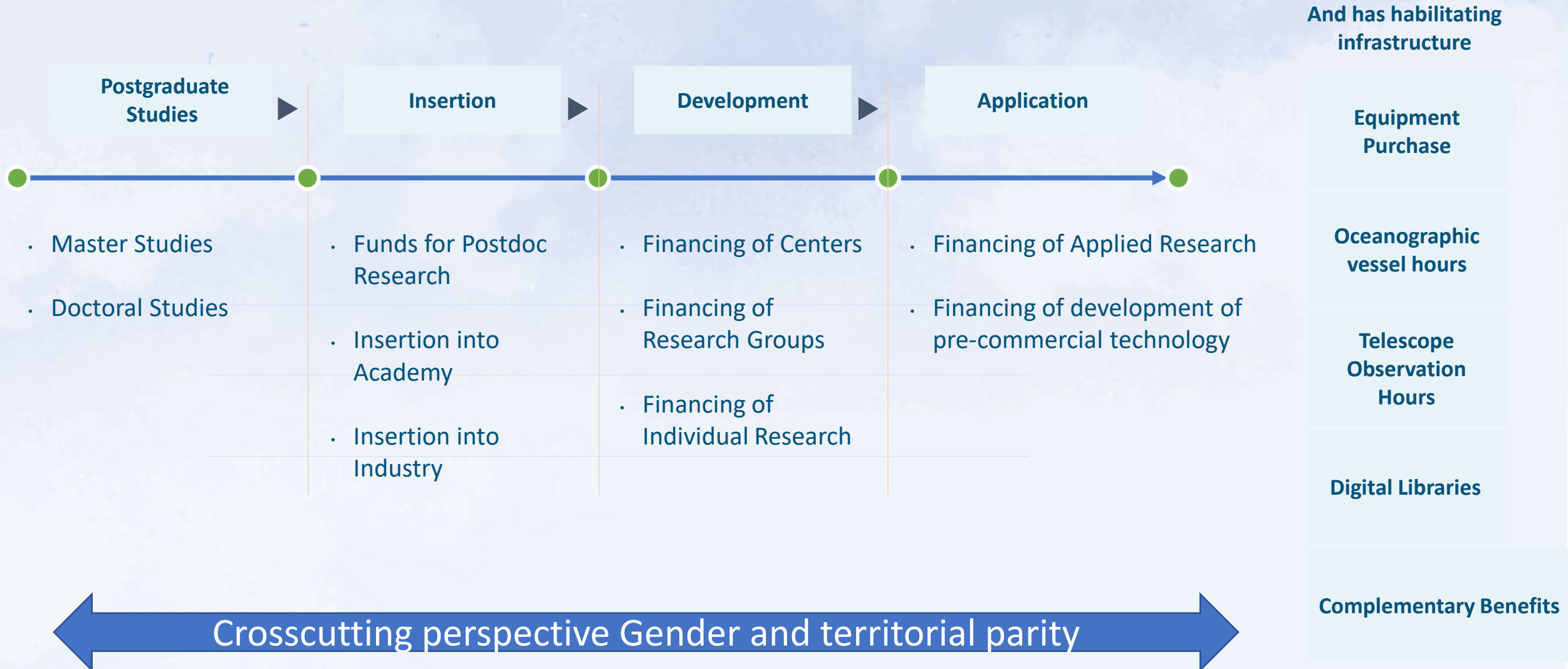
2023

- More than **25,000 applications** per year.
- **80 open** competitive calls.
- **+14.000** projects administrated yearly, **+ 4.000 funded**
- **6 strategic internal divisions** to coordinate all the programs and calls, and to monitor technical and financial aspects of different projects.

ANID'S STRUCTURE



ANID OPORTUNITIES FOR RESEARCHERS IN SCIENCE, TECHNOLOGY, KNOWLEDGE, INNOVATION



Focusing ANID's work by addressing needs and challenges in Science, Technology, knowledge and Innovation

During 2019-2020 ANID formed thematic workshops with the STI ecosystem and identified together important **gaps**:

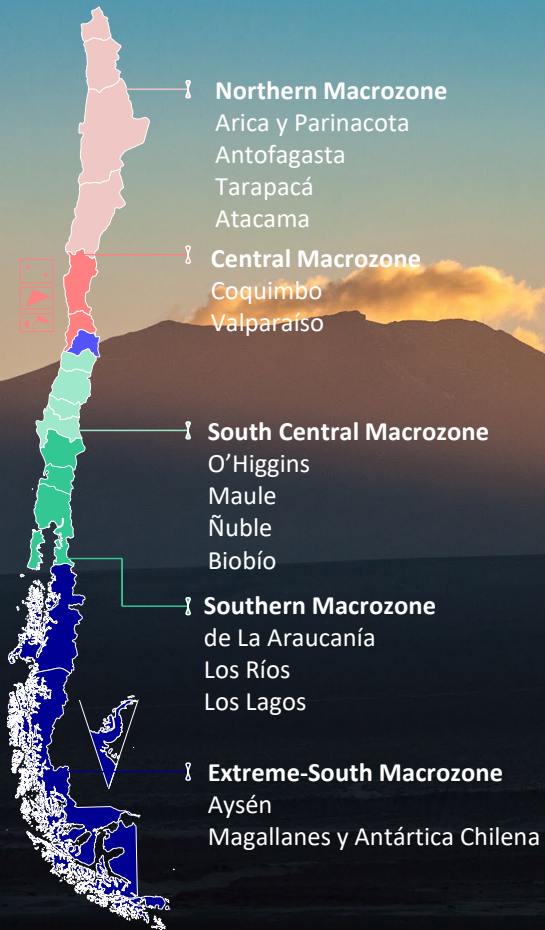
- Gender
- Territorial
- Disciplinary
- Infrastructure

How we are addressing these challenges in our ecosystem?

- Promoting cooperation and articulation between different actors that coexist today in the STKI ecosystem.
- Supporting the management of infrastructure and capacities for scientific research, technological and institutional development.
- Strengthening and design our instruments from a territorial, disciplinary perspective and with a gender focus.
- Implementing incentives to expand gender parity and territorial coverage.

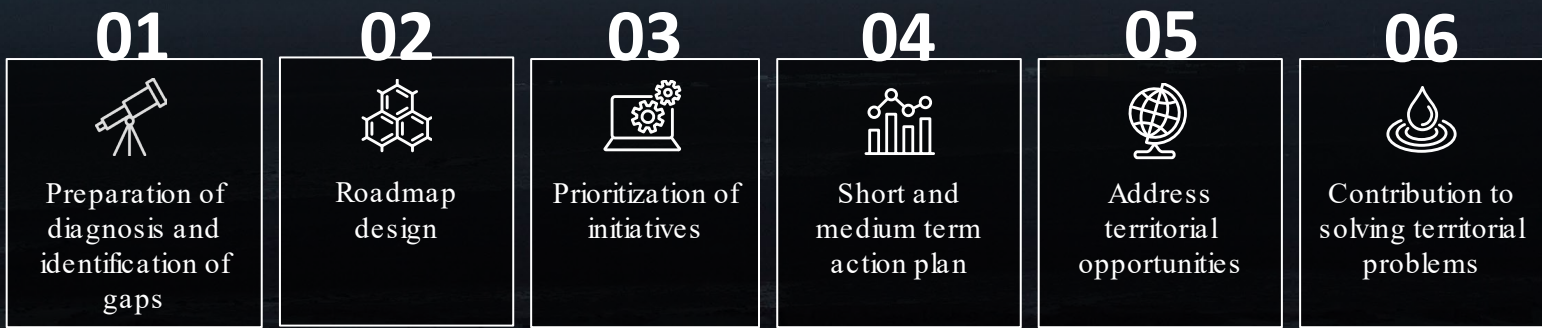
ACCELERATION NODES OF TERRITORIAL IMPACT

What is the job of the Nodes?



Macrozonal Nodes are a Public Policy tool that is being implemented, are projects that seeks to articulate and strengthen the local STKI ecosystem, to achieve impacts in strategic areas of each macrozone and in the country, obtaining social, economic and cultural benefits of the widest possible scope.

ANID invested around USD \$6 millions



An ANID's central task is to strengthen the internationalization of the Chilean STI ecosystem in close collaboration, coordination and articulation amidst its stakeholders.

ANID has defined priority areas for International Cooperation:

- Open Science
- Natural Laboratories
- Research Infrastructure
- Sustainable Development Goals

Multilateral Cooperation



PROGRAMA IBEROAMERICANO DE CIENCIA Y TECNOLOGÍA PARA EL DESARROLLO

Bilateral Cooperation



国家自然科学基金委员会
National Natural Science Foundation of China



Call to Promote International Networks

Objectives: Support creation and strengthening of networks to consolidate international links between national scientific and technological research and/or innovation institutions and foreign institutions, that contribute with an interdisciplinary perspective to the development and strengthening of international linkage capacities of the different regions and macro-zones of Chile.

Some relevant information:

- Open every year in May-June
- Open to Chilean researchers to establish/strengthen international cooperation in all areas for the Project duration up to 12 months (with posible extensión)
- Covers costs related with networking and cooperation: travel, workshops, visiting researchers, small equipment, etc. (roughly about USD 30.000)
- More details: <https://anid.cl/concursos/concurso-de-fomento-a-la-vinculacion-internacional-para-instituciones-de-investigacion-convocatoria-2023/>



CHILE – AUSTRALIA SCIENTIFIC COOPERATION

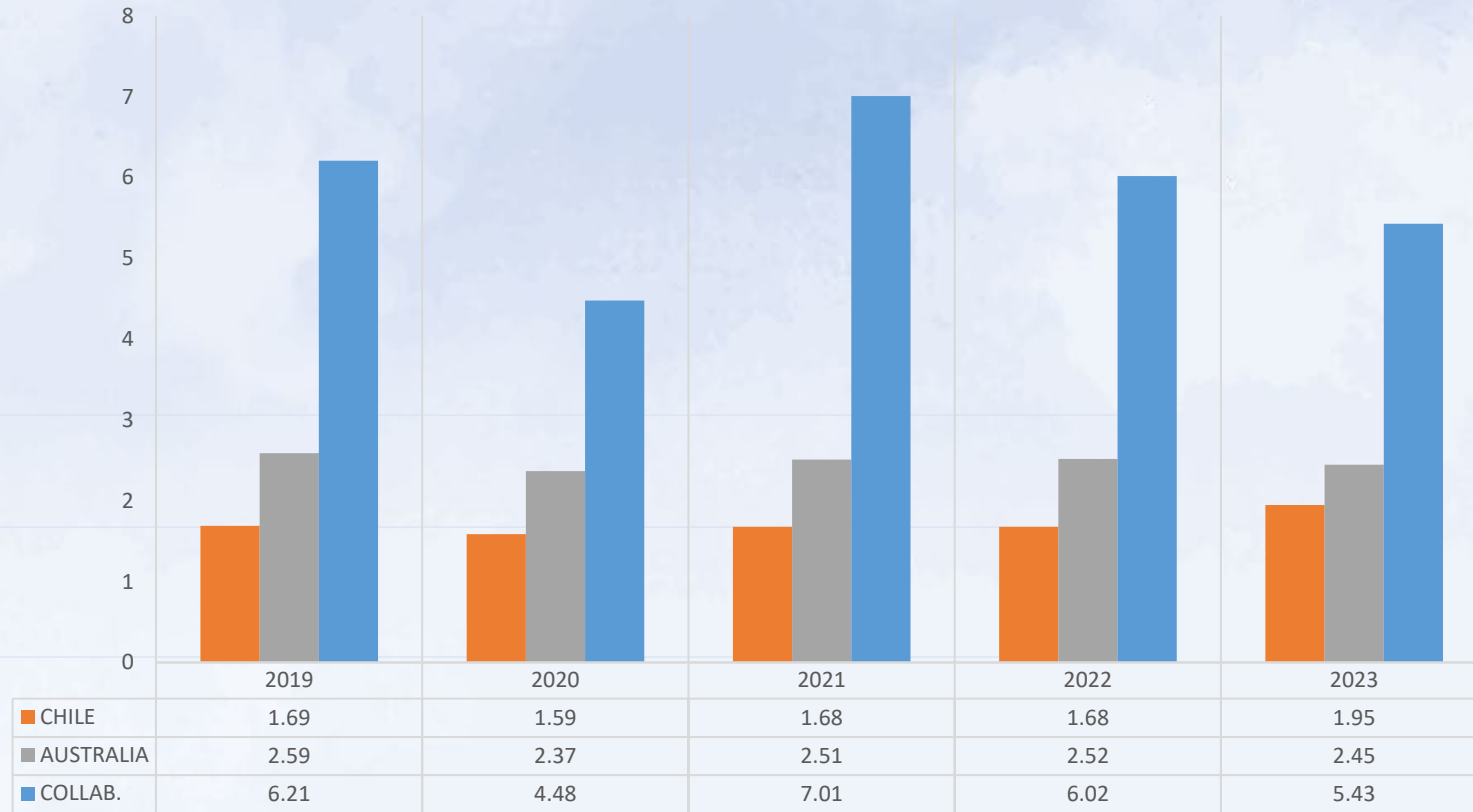
PAPERS	2019	2020	2021	2022	2023	TOTAL
CHILE	14649	15781	16812	14855	13070	87.655
AUSTRALIA	117986	116814	122081	110598	90453	665.203
Collaboration	530	591	679	622	666	3.088

	Times Cited	% Intern. Collab	Citation Impact	% Industry Collab	Impact Relative to World	Citations From Patents	% All Open Access Documents
AUSTRALIA	6.080.973	59,49	10,9	2,49	1,59	5,312	50,47
CHILE	634.097	68,09	8,44	1,71	1,23	307	57,65
Collaboration	134.268	100	26,08	5,85	3,82	37	76,81

CHILE – AUSTRALIA SCIENTIFIC COOPERATION

% INDUSTRY COLLABORATIONS

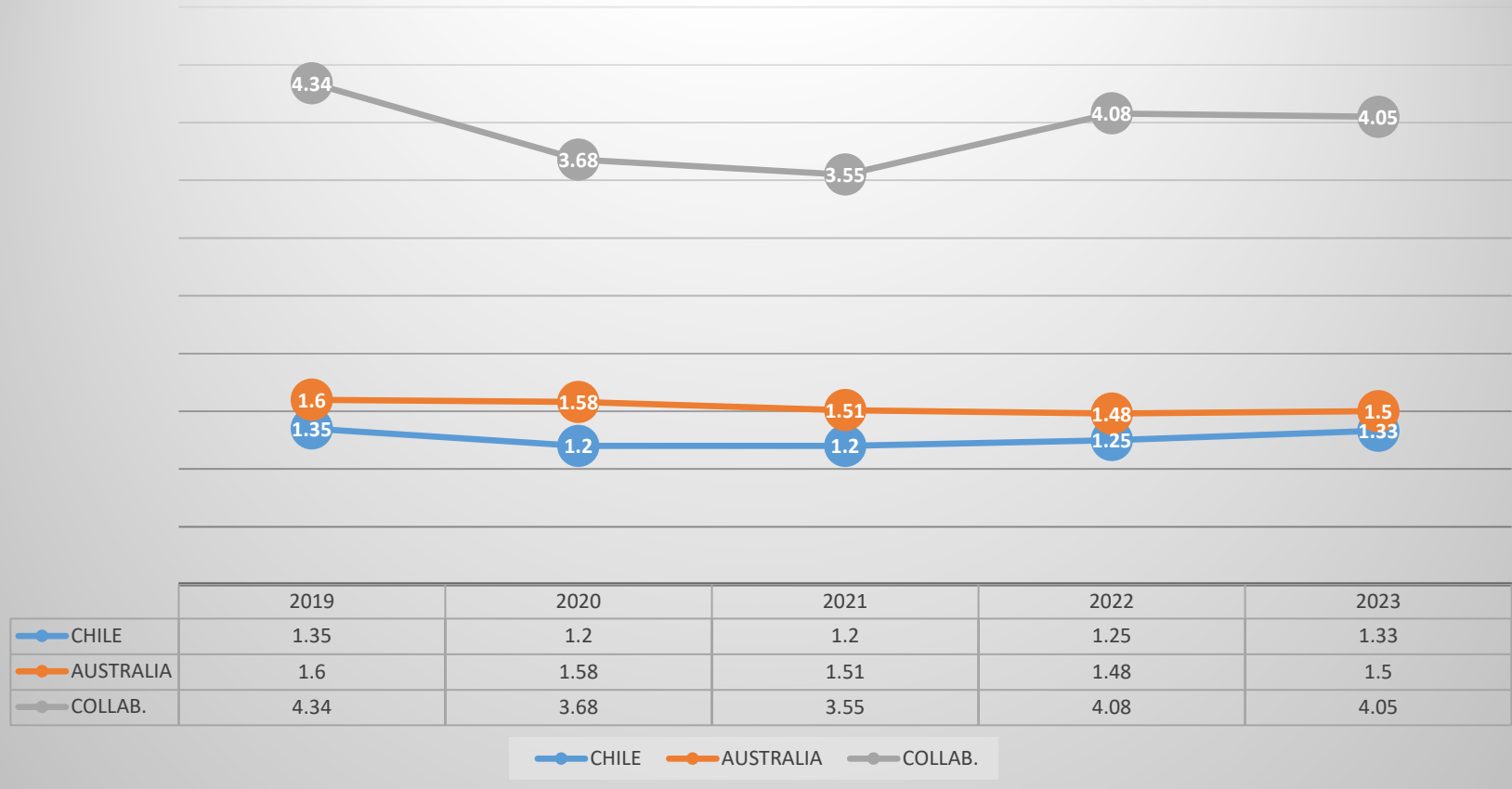
■ CHILE
 ■ AUSTRALIA
 ■ COLLAB.





CHILE – AUSTRALIA SCIENTIFIC COOPERATION

Impact Relative to World





CHILE – AUSTRALIA SCIENTIFIC COOPERATION

10 POTENCIAL AREAS FOR COOPERATION

POTENTIAL RESEARCH AREAS		Web of Science Documents	Category Normalized Citation Impact	Citation Impact	% Industry Collabs.	Impact Relative to World	% All Open Access Documents
BIOCHEMISTRY & MOLECULAR BIOLOGY	AUSTRALIA	12.927	1,38	16,33	2,63	2,39	69,11
	CHILE	2.515	0,88	10,58	1,11	1,54	66,76
CHEMISTRY, MULTIDISCIPLINARY	AUSTRALIA	13.525	1,58	23,37	1,27	3,42	60,72
	CHILE	2173	0,57	8	0,51	1,17	75,84
CHEMISTRY, PHYSICAL	AUSTRALIA	11.851	1,62	27,51	1,63	4,02	35,38
	CHILE	1.407	0,68	9,76	0,64	1,42	37,17
COMPUTER SCIENCE, INFORMATION SYSTEMS	AUSTRALIA	12.759	1,68	10,43	3,13	1,52	48,3
	CHILE	1.211	0,7	5,16	1,32	0,75	48,97
ECOLOGY	AUSTRALIA	12.177	1,47	13,22	0,6	1,93	68,53
	CHILE	1.877	1,26	10,74	0,64	1,57	57,86
ENERGY & FUELS	AUSTRALIA	11.894	1,36	20,11	2,31	2,94	33,86
	CHILE	1.403	0,83	8,34	0,64	1,22	31,22
ENGINEERING, ELECTRICAL & ELECTRONIC	AUSTRALIA	22.865	1,81	12,04	3,04	1,76	41,3
	CHILE	2.498	0,98	6,03	1,44	0,88	40,23
ENVIRONMENTAL SCIENCES	AUSTRALIA	26.832	1,33	16,67	1,03	2,44	60,15
	CHILE	4.472	1	10,73	0,6	1,57	64,09
GEOSCIENCES, MULTIDISCIPLINARY	AUSTRALIA	10.390	1,35	12,6	2,01	1,84	52,3
	CHILE	1.604	0,92	8,33	1,12	1,21	51,87
MATERIALS SCIENCE, MULTIDISCIPLINARY	AUSTRALIA	22.272	1,56	21,63	1,89	3,16	44,03
	CHILE	2.038	0,66	8,15	0,88	1,19	59,67



CHILE – AUSTRALIA SCIENTIFIC COOPERATION

TOP 10 AUSTRALIAN UNIVERSITIES TO COLLABORATE WITH CHILE

UNIVERSITY	WoS Docs	% Correspondin g Author (2008-2023)	Citation Impact	Doctoral degree / Undergrad degree	Docs in Top 1%	Docs in Top 10%
University of Sydney	1038	104	365	40.3245	122	345
University of Melbourne	1034	1103	338	n/a	100	331
Monash University	519	1233	518	40.7411	72	201
University of Queensland	674	1944	398	51.8888	84	219
University of New South Wales Sydney	504	1687	514	50.7042	74	188
University of Adelaide	582	567	400	39.2017	50	167
University of Western Australia	474	57	472	41.5499	75	204
Australian National University	485	948	392	50.0897	60	187
La Trobe University	93	86	167	34.1803	27	50
Macquarie University	406	394	379	n/a	60	161



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Pontificia Universidad Catolica de Chile	8686	2942	125	n/a	210	1246
Universidad de Chile	9328	3065	107	36.06	207	1238
Universidad de Concepcion	4521	3393	118	n/a	92	543
Universidad Andres Bello	3249	2241	942	n/a	63	407
Universidad Autonoma de Chile	2209	2268	112	n/a	31	250
Universidad de La Frontera	2264	4095	107	n/a	65	293
Universidad Tecnica Federico Santa Maria	2421	3214	950	n/a	25	285
Universidad Austral de Chile	2543	3118	878	n/a	40	276
Pontificia Universidad Catolica de Valparaiso	2344	3712	898	n/a	32	290
Universidad de Santiago de Chile	2242	3608	869	n/a	28	224
21. Universidad Adolfo Ibanez	1247	320	770	n/a	27	170



CHILE – AUSTRALIA SCIENTIFIC COOPERATION CLEAN ENERGY COLLABORATION

	Green hydrogen		Solar energy		Wind power	
	CHILE	AUSTRALIA	CHILE	AUSTRALIA	CHILE	AUSTRALIA
2023	45	183	164	740	65	273
2022	36	153	137	810	46	324
2021	22	98	175	955	83	396
2020	19	76	115	752	61	329
2019	17	58	162	794	41	373
Total	139	568	753	4051	296	1695
Collab.	5		14		39	

CHILE – AUSTRALIA SCIENTIFIC COOPERATION CLEAN ENERGY COLLABORATION

CLEAN ENERGIES

GREEN HYDROGEN



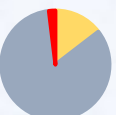
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SOLAR ENERGY

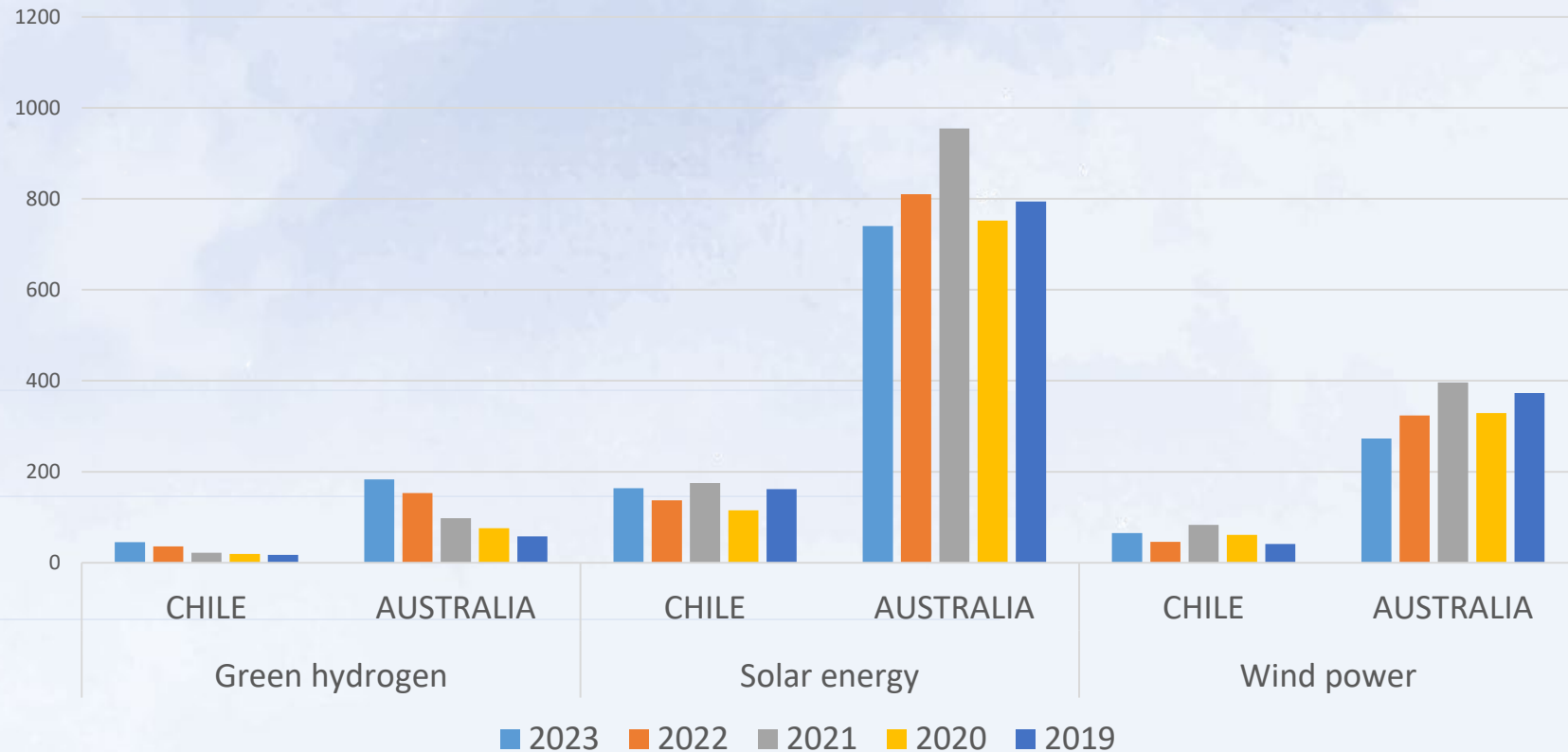


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WIND POWER



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THANK YOU



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