



HuellaChile
Programa de Gestión del Carbono

ICAT | INITIATIVE FOR
Climate Action
Transparency

Initiative for Climate Action Transparency Chile Project:

**Promoting Climate Action Transparency at the
Subnational Level for State and Non-State Actors in Chile**

Final Report

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CONTENTS

1. Introduction	4
2. Logical framework of the project	5
2.1. Objectives	5
2.2. Expected Outcomes	5
2.3. Deliverables Planned	6
3. Project implementation	8
3.1. Main activities of the project	8
3.2. Main Results Obtained	8
3.3. Challenges and difficulties encountered	9
4. Budget	11
5. Conclusion	12
Annex I – Delivery date of Project deliverables	13

1. INTRODUCTION

In its recently submitted Revised NDC, Chile emphasized its commitment to strength the technical capacities and institutionality at the subnational level to implement climate change actions. According to the Revised NDC, by 2030 16 subnational administrative regions will have their own climate change actions plans. Further, the implementation of climate change actions at subnational level will be needed to achieve the ambitious mitigation target of achieving carbon neutrality by 2050.

There have already been steps taken to foster subnational climate change action in the country, for instance by the implementation of the subnational initiatives such as Huella Chile Program and Programa Comuna Energética.

Nevertheless, significant challenges remain in the country for designing and successfully implementing mitigation actions at local level and by the private sector. The existing tool for GHG emissions accountability has a corporate scope, which is not adequate nor sufficient to provide an understanding of the emission sources of municipalities or regions or the private sector at the subnational level; there is not enough technical capacity in the subnational administrations and private sector to estimate GHG emissions and to design locally appropriate mitigation actions and; there might be lack of awareness in both the private sector and from some administrations, considering that in Chile there are 345 municipalities and 16 regional administrations.

The ICAT project addressed these challenges by providing the systems, tools, and capacity building to enhance the transparency of climate action at subnational level, improving the capacity to design and implement locally appropriate mitigation actions in the medium term, contributing to achieve the NDC targets of the country.

Specifically, the ICAT project supported Chile to: i) develop a certification/recognition system to incentivise the Chilean subnational administrations and the private sector to improve their carbon management technical capacities; ii) develop an electronic platform for calculating regional/local carbon footprints, iii) strength the carbon management technical capacity of subnational authorities; and iv) disseminate products and e-learning material on carbon management and on the use of electronic platform developed to ensure the use of the developments of the project beyond its implementation of the ICAT project.

2. LOGICAL FRAMEWORK OF THE PROJECT

2.1. Objectives

The primary objective of the Chile project is to provide the systems, tools, and capacity building to enhance the transparency of climate action at subnational level (345 municipalities and 16 regional administrations), improving the capacity to design and implement locally appropriate mitigation actions in the medium term and contributing to achieve the NDC targets of the country. This objective is translated into the following goals:

- Design and implement a certification/recognition system for the territorial management of GHG emissions at the subnational level for state and non-state actors in Chile, building from the current HuellaChile Program focused on organisations.
- Manage, operate, and pilot the recognition system for the territorial management of GHG at the subnational level integrated into the HuellaChile Program.
- Promote and build capacity at subnational level in the quantification and management of the territorial carbon footprint.
- Design and implement a digital IT tool that facilitates the GHG monitoring and reporting processes at the territorial level.
- Communicate the activities, products and instruments that are designed under this project and disseminate the acquired best practices in the project.

2.2. Expected Outcomes

- Subnational entities in Chile have the capacity to manage and implement an effective national MRV system in Chile to measure the performance of the targeted climate policies and actions and to effectively prepare for related reporting addressing the targeted policies and actions under the Enhanced Transparency Framework of the Paris Agreement.
- Chile applies good practice and tools that integrate transparency on climate policies and action with evidence-based policymaking, assessing the impacts (in term of GHG emissions, and socio-economic and sustainable development) of policies and measures at subnational level.
- Regional policy makers and local authorities are equipped with the tools they need to identify benefits, synergies and actions from enhanced climate action and policy transparency.

2.3. Deliverables Planned

The following list provides the list of expected deliverables for the Chile ICAT project:

- A.1.** Inception report.
- A.2.** Design of a subnational GHG management system for the HuellaChile Program.
- A.3.** Roadmap with a proposal to link the subnational GHG system with subnational level climate action instruments and plans in Chile, and with other local and international GHG management initiatives.
- A.4.** List of good practices in territorial mitigation actions, and mapping of working networks between state and non-state actors.
- B.1.** MRV procedures by GHG management recognition level/label implemented in the HuellaChile Program.
- B.2.** The recognition certificates/label scheme of the subnational GHG management are included in the Manual of Graphic Standards for Logos by Programs of the Ministry of the Environment - HuellaChile Program.
- B.3.** Reporting and verification formats for the recognition system of certificates/labels are developed.
- C.1.** Documents describing the links with other initiatives and cooperation agreements reached.
- C.2.** Declaration reports and territorial carbon footprint management reports developed in 2 municipalities.
- C.3.** Verification reports in 2 municipalities.
- C.4.** Certificates of recognition of GHG management awarded to 2 municipalities.
- C.5.** Guide of good practices for communication of territorial carbon footprints and GHG management.
- D.1.** Teaching material in digital format.
- D.2.** Delivery of 32 training webinars for groups of state and non-state actors.
- D.3.** Two e-learning courses on estimating and managing the carbon footprint at the subnational level, for state and non-state actors in Chile.
- E.1.** Mock-up designs of the IT system for subnational MRV territorial GHG reporting to be integrated in the HuellaChile web platform.
- E.2.** Operational IT platform that is ready to use by subnational entities for MRV territorial GHG reporting in HuellaChile, in SW-PRTR web platform of the MMA.
- E.3.** Written manual for the use and maintenance of the web tool.
- E.4.** On-line training module for the use and administration of the subnational carbon footprint in the HuellaChile web platform and inserted in the VU RETC of the MMA.
- F.1.** Milestone of communication and dissemination of the system of subnational GHG recognition levels in HuellaChile
- F.2.** Publication of the manual and territorial footprint reporting formats on the HuellaChile website.

- F.3.** Milestone of communication and dissemination of a guide of good practices for the communication of territorial carbon footprints.
- F.4.** Communication and dissemination of virtual webinars, for state and non-state actors.
- F.5.** Milestone of communication and dissemination of e-learning courses available on the Adriana Hoffman MMA platform.
- F.6.** Milestone of communication and dissemination of the two certificates provided to municipalities in Chile.
- F.7.** Communication and dissemination milestone for the launch of the module for the quantification and reportability of the territorial carbon footprint on the HuellaChile Program web platform.

3. PROJECT IMPLEMENTATION

3.1. Main activities of the project

The implementation of the project has been split in 6 phases, as follows:

- A. Preparatory phase on content of the system and roadmap for its development
- B. Preparatory phase on arrangements, formats, and procedures
- C. Testing and implementation phase
- D. Capacity building phase
- E. IT development phase
- F. Communication and disseminations phase

The technical implementation of the project started with preparatory phases A and B, in which a preliminary design of the subnational MRV system and its associated procedures was developed. Then the preliminary system was tested in Phase C, where the preliminary MRV design was put into practice and finetuned in a pilot test with two municipalities. In parallel, phases D and E, addressed the capacity building to sub-national stakeholders and the IT development, as required to implement the subnational MRV system in the existent HuellaChile portal under the Ministry of Environment. Last but not least, Phase F encompassed the preparation of outreach material.

Annex I to this document provides information on the deliveries developed by activity, providing details on the delivery date for each of them.

3.2. Main Results Obtained

As a result of the implementation of the project, Chile has established a subnational Measuring, Reporting, and Verification (MRV) system allowing local and regional entities to manage their GHG emissions in a consistent manner. The sub-national MRV system has a certification system associated, and is embedded in the national HuellaChile programme, under the Ministry of Environment. Four different certificates are established to recognize the performance of subnational entities regarding GHG emissions management:



1. **Quantification.** The estimation of the subnational inventory/carbon footprint and following the certificate MRV procedures is required to obtain this certificate.

2. **Reduction.** This certificate requires to obtain the quantification certificate, calculate the inventory for at least two years, and establish a sub-national mitigation target. All the MRV procedures associated need to be followed to obtain the certificate.





Neutrality. This certificate requires to obtain the quantification and reduction certificates and achieve carbon neutrality through the implementation of mitigation actions (emissions equal to removals). All the MRV procedures associated to be followed to obtain the certificate.

4. Excellence. To achieve excellence, subnational entities need to obtain the other three certificates, and carry out all MRV procedures associated.



Each certificate has distinct requirements associated as well as specific MRV procedures.

The established system is both an MRV system and a certification scheme that not only allows to estimate GHG emissions and ease the design of mitigation actions, but also promotes excellence in the sub-national GHG emissions management. The ICAT Chile project has also provided extensive capacity building to sub-national entities regarding the use of the sub-national MRV system, improving the technical capacity of subnational stakeholders on GHG emissions and mitigation policies.

In addition to the development of the subnational MRV system and its certification approach, the project has developed guidelines and e-learning courses that will allow the results of the project to be extended beyond project implementation, as interested entities will be able to consult this material in the future. Notwithstanding the foregoing, the ICAT project has also provided extensive capacity building on the use of the system and has implemented a pilot study with two municipalities to ensure the proper functioning of the system and is associated processes.

3.3. Challenges and difficulties encountered

The following table provides a list of shortcomings experienced during project implementation and the actions taken to ensure the successful implementation of the project:

Problems/issues	Actions taken
Increase in the number of webinars on climate change in identified key stakeholders	Coordination of regional ICAT workshops with other workshops related to climate change, concentrating communication and dissemination to all identified key stakeholder groups in 1 regional day.

Problems/issues	Actions taken
Reduction of the team of IT professionals in the Ministry of the Environment (MMA).	Official letters were sent to the IT areas and the VU-RETC Platform of the MMA, to coordinate managers and plan meetings together with the consulting team. This allowed the subnational MRV system to be embedded in the Ministry web page on time for the project closing.
Long administrative processes to obtain the data needed for the quantification of the subnational inventory/carbon footprint.	Official letters were sent to institutions responsible for sectorial information, coordinating meetings with responsible professionals, and validating assumptions and approaches with the National GHG Inventory team and support sector professionals.
Increase in coronavirus cases in Chile may increase restrictive and preventive care measures, making the daily operations of local governments difficult.	Webinar activities planned in virtual format
Process for the Election of Constituent Constituents, Regional Governments (GORES), and Municipal Governments, in May 2021. This process interfered with the activities to be carried out with local governments related to consultation and capacity building, so its execution.	The subnational workshops were coordinated in conjunction with the focal points of the SEREMI of the Environment to capture the key actors of each region, and the activities were coordinated in conjunction with other climate change workshops planned by the Ministry of the Environment for the period 2021.
Delay in the delivery of products	New deliverable dates were planned along with bi-weekly follow-up meetings with the project's technical team.

4. BUDGET

The financial status report of the ICAT Chile project is summarized below, covering the periods from September 2020 to December 2021. It is highlighted that due to the pandemic the budget for travel was not executed, which represents 2% of the total budget of the project. The following table describes the executed budget for each item:

Item	Total Budget (i)	Expenditure (iii)	Available budget - end of the period iv = (i – iii)	%
				(iii/i)
1. Personnel	\$ 84.400	\$ 84.400	\$ -	100%
2. Meetings	\$ -	\$ -	\$ -	-
3. Travel	\$ 4.000	\$ -	\$ 4.000	0%
4. Contracts (sub-contractors and sub-grantees)	\$ 61.000	\$ 61.000	\$ -	100%
a. Dyatec	\$ 40.000	\$ 40.000	\$ -	
b. Geoinvest	\$ 6.000	\$ 6.000	\$ -	
c. T-educa	\$ 15.000	\$ 15.000	\$ -	
5. Outreach and Knowledge Products	\$ 5.000	\$ 5.000	\$ -	100%
6. Administrative Costs (8%)	\$ 15.440	\$ 15.440	\$ -	100%
Total Grant Project Cost	\$ 230.840	\$ 226.840	\$ 4.000	98%

5. CONCLUSION

The objectives of the project were successfully achieved, specifically:

- As a result of the ICAT project, Chile has implemented a subnational MRV system for GHG emissions and mitigation actions at sub-national level. Furthermore, through extensive capacity building to sub-national entities, Chile has the capacity to measure, report and verify the performance of climate policies and actions.
- Chile has implemented an MRV system at the subnational level by establishing procedures, manuals and tools that follow international good practice and ICAT guidance and tools. This involves the country applying good practice on climate action transparency at the sub-national level.
- The ICAT project in Chile has developed tools for calculating GHG emissions at the subnational level, as well as manuals on how to identify and assess the impact of regional/local specific mitigation actions.

ANNEX I – DELIVERY DATE OF PROJECT DELIVERABLES

Status	Output/Activity Name	Start Date	End Date
Completed	A.1. Inception report	Dec 9, 2020	Dec 16, 2020
Completed	A.2. Design of a subnational GHG management system for the HuellaChile Program.	Jan 4, 2021	Jun 11, 2021
Completed	A.3. Roadmap with a proposal to link the subnational GHG system with subnational level climate action instruments and plans in Chile, and with other local and international GHG management initiatives.	Jan 4, 2021	Jun 11, 2021
Completed	A.4. List of good practices in territorial mitigation actions, and mapping of working networks between state and non-state actors.	Jan 4, 2021	Jun 11, 2021
Completed	B.1. MRV procedures by GHG management recognition level/label implemented in the HuellaChile Program.	Feb 1, 2021	Jun 11, 2021
Completed	B.2. The recognition certificates/label scheme of the subnational GHG management are included in the Manual of Graphic Standards for Logos by Programs of the Ministry of the Environment - HuellaChile Program.	Mar 1, 2021	Jun 11, 2021
Completed	B.3. Reporting and verification formats for the recognition system of certificates/labels are developed.	Feb 1, 2021	Jun 11, 2021

Status	Output/Activity Name	Start Date	End Date
Completed	C.1. Documents describing the links with other initiatives and cooperation agreements reached.	Jan 4, 2021	Dec 17, 2021
Completed	C.2. Declaration reports and territorial carbon footprint management reports developed in 2 municipalities.	Jan 4, 2021	Jul 28, 2021
Completed	C.3. Verification reports in 2 municipalities.	Aug 2, 2021	Sep 28, 2021
Completed	C.4. Certificates of recognition of GHG management awarded to 2 municipalities.	Dec 6, 2021	Dec 13, 2021
Completed	C.5. Guide of good practices for communication of territorial carbon footprints and GHG management.	Jun 14, 2021	Dec 17, 2021
Completed	D.1. Teaching material in digital format.	Mar 1, 2021	Jul 2, 2021
Completed	D.2. Delivery of 32 training webinars for groups of state and non-state actors.	Aug 17, 2021	Sep 10, 2021
Completed	D.3. Two e-learning courses on estimating and managing the carbon footprint at the subnational level, for state and non-state actors in Chile.	Jul 30, 2021	Dec 22, 2021
Completed	E.1. Mock-up designs of the IT system for subnational MRV territorial GHG reporting to be integrated in the HuellaChile web platform.	Apr 15, 2021	Jul 2, 2021

Status	Output/Activity Name	Start Date	End Date
Completed	E.2. Operational IT platform that is ready to use by subnational entities for MRV territorial GHG reporting in HuellaChile, in SW-PRTR web platform of the MMA.	Jun 1, 2021	Oct 14, 2021
Completed	E.3. Written manual for the use and maintenance of the web tool.	Aug 30, 2021	Nov 5, 2021
Completed	E.4. On-line training module for the use and administration of the subnational carbon footprint in the HuellaChile web platform and inserted in the VU RETC of the MMA.	Jun 1, 2021	Oct 14, 2021
Completed	F.1. Milestone of communication and dissemination of the system of subnational GHG recognition levels in HuellaChile	Mar 11, 2021	Mar 11, 2021
Completed	F.2. Publication of the manual and territorial footprint reporting format on the HuellaChile website.	Jun 1, 2021	Jul 2, 2021
Completed	F.3. Milestone of communication and dissemination of a guide of good practices for the communication of territorial carbon footprints.	Nov 26, 2021	Nov 26, 2021
Completed	F.4. Communication and dissemination of virtual webinars, for state and non-state actors.	Aug 2, 2021	Oct 12, 2021
Completed	F.5. Milestone of communication and dissemination of e-learning courses available on the Adriana Hoffman MMA platform.	Dec 10, 2021	Dec 10, 2021
Completed	F.6. Milestone of communication and dissemination of the two certificates provided to municipalities in Chile.	Dec 10, 2021	Dec 10, 2021

Status	Output/Activity Name	Start Date	End Date
Completed	F.7. Communication and dissemination milestone for the launch of the module for the quantification and reportability of the territorial carbon footprint on the HuellaChile Program web platform.	Dec 10, 2021	Dec 10, 2021
Completed	G.1. Final project report (referred to as Product G in the ICAT-Chile work plan).	Dec 17, 2021	Dec 23, 2021
Completed	G.2. Validation workshop (provide workshop agenda and participant list)	Dec 10, 2021	Dec 10, 2021
Completed	H.1. ICAT Outreach materials (referred to as Product H in the ICAT-Chile work plan).	Dec 17, 2021	Dec 23, 2021