

CURRICULUM

I. Personal data

Family names : Rojas Ponce
First Name : Yasna
Date of Birth : December 11, 1972
Address : Villa del Rey 7 # 1482, Valdivia, Chile
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II. Academic qualifications

Postgraduate studies: Dra. Forest Management and Economy, Escuela de Ingeniero de Montes de la Universidad Politécnica de Madrid, Spain (2007)
University degree: Forest engineer, Facultad de Ciencias Forestales de la Universidad Austral de Chile (1997).

III. Experience

- Coordinator in charge of the research group on climate change (INFOR) from 2010 to date.
- Researcher in INFOR (Forest Institute) since 2000 to date.
- Member of Task Force Bureau on National Greenhouse Gas Inventories (IPCC) since 2015.
- Expert reviewer LULUCF sector under UNFCCC for the Review of Annex I Party Greenhouse Gas Inventories since 2014.
- Expert reviewer and Lead reviewer for the technical review of biennial reports and national communications of Parties included in Annex I to the Convention since 2018.
- Expert reviewer for technical review of National Communications from Parties not included in Annex I to the Convention related to the technical analysis of biennial update reports (BURs) from non-Annex I Parties under the International Consultation and Analysis (ICA) process
- Projects Coordinator and researcher in climate change, carbon accounting, ecosystems services, bioenergy, forest inventory, forest management and economy in INFOR.
- Project assistant in PROCARBONO UACH (1999)
- Operations and administration coordinator in Forestry Company Pürstinger – Ludwig Ltda (1997-1999)

Projects Participation:

Date	Projects	Activities
2020 to date	Adaptation to Climate Change in the Forestry and Agriculture sector in Los Ríos region (INFOR, CONAF, INIA, Seremi Agricultura) Government of Los Ríos region fund.	Project coordinator - INFOR
2019 -2022	Carbon balance as a roadmap for the generation of carbon-neutral agricultural production systems (INIA-INFOR, FIA Fund)	Researcher in charge of forest module
2021 - 2022	Development of maps of carbon stock and flow, regions of Coquimbo, Valparaíso, Metropolitana, O'Higgins, Aysén y Magallanes – REDD+ (Fund CONAF)	Project Coordinator
2019-2021	Methodological expansion and update of the reference level of forest emissions and forest reference level in permanent forest of Chile – REDD+ (Fund CONAF)	Researcher in charge of the accountability of emissions and removals of carbon

2019	Projection of emission and removal scenarios for the LULUCF sector – MMA (UNDP)	Project coordinator
2018 to 2021	Generation of carbon variation maps in permanent forests in the accounting area of the Emissions Reduction Program (PRE) of Chile (Regions between Maule and Los Lagos) / National Forest Corporation (REDD+) (CONAF)	Project coordinator
2018-2020	Evaluation of the effects of reduced rainfall and drought on the functioning and productivity of <i>Nothofagus obliqua</i> forests throughout their distribution: Resistance and physiological adjustments to water scarcity" - Insertion of Human Capital ANID	Project coordinator
2017 to date	Updating and reporting of the Greenhouse Gas Inventory of the Land Use, Land Use Change and Forestry sector/National GHG Inventory System	Coordinator of LULUCF Sector
2017-2018	Consultancy. Baseline Study at the San Ignacio del Huinay Estate. Module 1: Preliminary characterization of vegetation formations in San Ignacio del Huinay	Researcher carbon module
2016 -2017	Elaboration of the Phase II for Implementation of Environmental Accounting of Forests (SEEA) / Ministry of Environmental	Project coordinator and researcher in charge of module of volume and economic value
2015 - 2020	Project "Integrated System of Monitoring of forest ecosystems" / GEF Project	Coordinator of Module Carbon Reserves.
2015-2018	INNOVA CHILE Project 15BP-45404 "Development of an Expert Online Information System to support the management and competitiveness of timber and forestry SMEs by estimating supply flows of standing timber in plantations and native forests, at the territorial level".	Forest Economy and Management Specialist
2015 -2017	Critical areas of native forest restoration for recovery of ecosystem service of provision of water in watershed/ Project FIBN 03-2015	Researcher in module of economic valuation
2015 – 2016	Forest Reference Emission Level / Forest Referent Level of the Chilean Native Forests / Consorcio WINROCK	Researcher in Forest Degradation (INFOR)
2015	Project of Afforestation with native species: in the framework of nationally determined contributions (NDCs) / WRI and Ministry of Environmental	Coordinator and researcher in charge of calculation of removals and emissions in different scenarios of afforestation
2014 to 2016	Program of research: Silviculture for native forest with ecosystem approach	Researcher
2013 to date	Forest sector reporting on national greenhouse gases inventory	Coordinator of updating GHG inventory in LULUCF in INFOR
2012 to date	Program of Adaptation and Mitigation to Climate Change - Ministry of Agriculture	Coordinator of the program: Monitoring trials of adaptation to climate change in forest ecosystems, vulnerability to climate change of forest ecosystems and determination of degraded forest ecosystems
2013 to 2014	Project 81013-Project MAPS CHILE: Mitigation Options for Addressing Climate Change PNUD-MAPS Chile Base Line 2013 and Mitigation Scenarios of AFOLU Sector	Researcher, responsible forestry section, determination of baseline (2013-2050) and mitigation measures.
2011 to 2014	Potential impacts of climate change on forest ecosystems ranges-International project funded by the BID CLIMIFORAD	Researcher, responsible for evaluation of tests adaptation to latitudinal limit of the native forest

2010 to 2013	Productive forestry technology development to support the implementation of the native forest law INNOVA CORFO	Researcher in economy module
2010 and 2012	Baseline Survey for carbon projects company Patagonia Sur.	Project manager and responsible for carbon accounting.
2009 – 2011	Development Methodology and Tools for REDD+ (DMH-REDD) in a temperate forest (Chile, Argentina and Colombia) Project MIA/CATIE	International Project Coordinator and commissioned in Chile of proposed assessment of degraded forests for REDD +
2009	Potential climate change mitigation associated with the law on recovery of native forests and forestry development. ODEPA	Carbon accounting research and economic module
2009	Baseline study of the afforestation project under the clean development mechanism (CDM) of the Kyoto protocol on climate change, Aysén region, Chile	Researcher
2008	Bases for a Chilean national wood energy strategy. Project FAO Technical Cooperation	Project coordinator
2007 – 2009	Integrated climate risk project in agriculture and forestry. MINAGRI Project (INFOR-CIREN-INIA)	Researcher
2007 – 2009	"Model for the development of a system of payments for environmental services in Chile" INNOVA CORFO project	Researcher in economy module
2007 – 2008	Development of regulations for soil and water protection. Ministry of Agriculture	Researcher
2003 – 2004	Characterization productive Native Forest Resources in Regions IX and X of Chile. Fund: FDI CORFO	Researcher
2000 – 2003	Development and Promotion of Douglas-fir plantations and ponderosa pine, economical option for Chile. Fund: FONDEF	Operations Coordinator
1999	Project: Cadastre and location of public non-extractive uses of water Fund: DGA	Project assistant

IV. PUBLICATIONS

Kutchartt E., Gayoso J., Guerra J., Pirotti F., Castagneri D., Anfodillo T., **Rojas Y.**, Olson M. E., & Zwanzig M. (2022). Short communication: Basic wood density and moisture content of 14 shrub species under two different site conditions in the Chilean Mediterranean shrubland. *Forest Systems*, 31(1), eSC01. <https://doi.org/10.5424/fs/2022311-18160>

Rojas Y., Buchner, C., Martin, M., Müller-Using, S., & Bahamondez, C. (2021). Importancia del sector forestal en la contabilidad de gases de efecto invernadero (GEI) del país. *Ciencia & Investigación Forestal*, 27(3), 35–47. <https://doi.org/10.52904/0718-4646.2021.558>

Müller-Using, S., **Rojas Ponce Y.**, & Martin Stuen, M. (2021). Una Propuesta para la definición de un diámetro meta para los árboles futuro en renovales de roble (*Nothofagus obliqua*). *Ciencia & Investigación Forestal*, 27(3), 49–61. <https://doi.org/10.52904/0718-4646.2021.553>

R. Urrutia-Jalabert, J. Barichivich, V. Rozas, A. Lara, **Y. Rojas**, M. Rojas-Badilla, T. Gipoulou-Zuñiga y E. Cuq. 2021. "Climate response and drought resilience of *Nothofagus obliqua* secondary forests across a latitudinal gradient in south-central Chile". *Forest Ecology and management* 485 (2021). <https://doi.org/10.1016/j.foreco.2021.118962>

Ramírez, C., Alberdi, I., Bahamondez, C., y Freitas, J., coords. 2021. Inventarios Forestales Nacionales de América Latina y el Caribe: Hacia la armonización de la información forestal. Roma, FAO. <https://doi.org/10.4060/cb7791es>. Capítulo 10. Inventario Forestal Nacional de Chile, Bahamondez, C. **Rojas Y.**, Marin M. y R. Sagardia p:123-132.

- Bahamondez V., C., Büchner, C., Müller-Using, S., **Rojas Y.**, Schlegel B. y G. Vergara. 2021. Vulnerabilidad al cambio climático del tipo forestal Roble-Raulí-Coihue de la región de Los Ríos. Chile. Informe Técnico N° 249. INFOR. 26 p.
- Büchner, C., Martin Stuken, M., Sagardía Parga, R., **Rojas Y.**, Gúzman F., Barrientos M., Guiñez R. y A. Aravena. (2021). Análisis de los factores que están incidiendo en la oferta de madera de plantaciones forestales en los últimos años. Regiones de Valparaíso a Los Lagos período 2010-2019. Santiago, Chile: INFOR. <https://doi.org/10.52904/20.500.12220/31346>
- Ministerio del Medio Ambiente. 2021 Informe del Inventario Nacional de Chile 2020: Inventario nacional de gases de efecto invernadero y otros contaminantes climáticos 1990-2018. Oficina de Cambio Climático. Santiago, Chile.
Capítulo 6: **Yasna Rojas**, Eduardo Molina, Carlos Bahamondez Mauricio Gómez, Natalia Becar, Federico An-der Führen y Abraham Albornoz.
- Rojas, Y.**; Gerding, V.; Bahamondez, C; Molina, E. y Sagardía, R. 2020. Contenido y Cantidad de Carbono del Suelo en Bosque Nativo de la Región de Los Ríos. Instituto Forestal, Chile. Informe Técnico N° 233. P. 21
- Ministerio del Medio Ambiente. 2020. Cuarto Informe Bienal de actualización de Chile sobre Cambio Climático: Capítulo 2 Inventario Nacional de Gases de efecto invernadero de Chile, Serie 1990-2018. Equipo Técnico UTCUTS, **Yasna Rojas**, Eduardo Molina, Carlos Bahamondez y Rodrigo Sagardía (Instituto Forestal), Mauricio Gomez y Daniel Montaner (Corporación Nacional Forestal)
- Corporación Nacional Forestal (CONAF), 2018. Sistema de Medición y Monitoreo de la Estrategia Nacional de Cambio Climático y Recursos Vegetacionales. Santiago. Chile. 72 pp. Colaboradora en esta publicación. Enlace: <https://www.enccrv-chile.cl/index.php/descargas/publicaciones/712-doc-smm-pc/file>
- Martin Stuken, M., Büchner, C., Sagardía Parga, R., Bahamondez C., **Rojas Ponce Y.**, Guzmán F., Barrientos M., Barrales, L. y R. Guiñez.(2020). Disponibilidad de madera nativa en renovales de Roble- Raulí- Coihue. Regiones de Ñuble a Los Ríos 2020 - 2049. INFOR. <https://doi.org/10.52904/20.500.12220/30443>
- Büchner, C., Martin Stuken, M., Sagardía Parga, R., **Rojas Ponce, Y.** Bahamondez C., Guzmán F., Barrientos M., Barrales L. y R. Guiñez (2019). Disponibilidad de madera en plantaciones de Pino Oregón (*Pseudotsuga menziesii* (Mirb.) Franco) Regiones de La Araucanía, Los Ríos y Los Lagos (2019 – 2049). INFOR. <https://doi.org/10.52904/20.500.12220/30351>
- Büchner, C., Martin Stuken, M., Sagardía Parga, R., Avila A., Molina E., Muñoz, J., Rose J., Barrientos M. Barrales, L., Guiñez R., **Rojas Ponce Y.**, Barros S. (2018). Disponibilidad de madera de plantaciones de Pino radiata y Eucalipto (2017-2047). Santiago, Chile: INFOR. <https://doi.org/10.52904/20.500.12220/28294>
- Rojas Ponce, Y.**, Bahamondez V., C., Büchner, C., Martin Stuken M., Muller-Using S. (2016). Medidas de adaptación al cambio climático de los ecosistemas forestales. Santiago, Chile: INFOR. <https://doi.org/10.52904/20.500.12220/21343>
- Nivel de referencia de emisiones forestales/Nivel de Referencia Forestal Subnacional de Chile. 2016. Colaboración en el marco del Consorcio WINROCK-UACH-INFOR. Enlace: <https://www.enccrv-chile.cl/descargas/publicaciones/35-nivel-de-referencia-de-emisiones-forestales/file>
- Bahamondez, C., Martin, M. y **Y. Rojas**. 2016. Chapter 13 Chile in National Forest Inventories - Assessment of Wood Availability and use. Vidal et al. (eds.). 249 -259 p. Springer. 845 p.
- Prado, J.; Espinoza, A.; Gonzalez, S.; Ovalle, C.; Alfaro, M.; Salazar, F.; Wolff, M.; Oyarzun, V.; Sartori, A.; Pérez, C.; Quintanilla, O.; Cano, J.; Gimeno F.; **Rojas Y.**; Bahamondez, Schlegel, B.; Neuenschwander, A. 2016. Inventario de Gases de Efecto Invernadero (Sector AFOLU) en Tercera Comunicación Nacional de Chile ante la Convención Marco de las Naciones Unidas sobre Cambio Climático. 505 p.
- Müller-Using, S.; Bahamondez, C.; Martin, M.; **Rojas Y.**; Schlegel, B. y J. Bannister. 2014. Aproximación a la recuperación de bosques bajo una mirada ecosistémica. Reporte de Prácticas silvícolas 2014. Informe Técnico N° 202. Instituto Forestal, Chile. 38 p.
- Rojas Ponce, Y.**, Bahamondez V., C., Martin Stuken, M., et al (2013). Estudio de vulnerabilidad al cambio climático de bosques en Chile (*Pinus radiata* y tipo forestal Roble-Raulí-Coihue). Valdivia, Chile: INFOR. <https://doi.org/10.52904/20.500.12220/20517>
- Müller-Using, S.; Martin, M.; Siebert, H.; Müller-Using, B.; Uribe, J. y **Y. Rojas**. 2013. Antecedentes y herramientas para la regeneración del tipo forestal Roble-Raulí-Coihue. Reporte de Prácticas Silvícolas 2013. Informe técnico N° 197. Instituto Forestal, Chile. 49 p.

Cabrera Perramón, J., Avila Campos, A., Bahamóndez V., C., Martin M., Muñoz, J., Peña O., Rojas Ponce C., **Rojas Ponce Y.**, Uribe, M. (2013). Informe técnico 194. Disponibilidad de madera de plantaciones de pino radiata y eucalipto 2010-2040. Santiago, Chile: INFOR. <https://doi.org/10.52904/20.500.12220/20477>

Rojas Ponce, Y., Martin Stuvan, M., Müller-Using, B., et al (2013). Informe técnico 193. Rentabilidad económica de distintas propuestas silvícolas para los renovales de nothofagus en el centro sur de Chile. Valdivia, Chile: INFOR. <https://doi.org/10.52904/20.500.12220/20896>

Bahamondez, C.; Martin, M. Pugin, A.; Jofré P.; Müller-Using, S. y **Y. Rojas**. 2011. Reporte de Sustentabilidad de los ecosistemas forestales nativos regiones del Maule a Magallanes. Informe Técnico N° 180. Instituto Forestal, Chile. 70 p.

Bahamóndez V., C., Jofré Filgueira, P., Martin Stuvan, M., Muller-Using S., Pugin A., **Y. Rojas Ponce** (2010). Informe técnico 180. Reporte de sustentabilidad de los ecosistemas forestales nativos regiones del Maule a Magallanes. Santiago, Chile: INFOR. <https://doi.org/10.52904/20.500.12220/19003>

Rojas Y.; Ruiz-Tagle, M.; García-Robredo G. y J. Solana. 2009. Multiple-use forest planning model for second-growth forests of roble-raulí-coihue (genus *Nothofagus*). Eur. J. Forest Res. DOI 10.1007/s10342-009-0289-z.

Rojas Ponce, Y., Bahamóndez V., C., Loguercio, G., et al (2011). Análisis de la degradación forestal en el marco de REDD+. Santiago, Chile: INFOR. <https://doi.org/10.52904/20.500.12220/18925>

Bahamondez, C; Martin, M.; Müller-Using S.; **Rojas Y.** y G. Vergara. 2009. Case studies on measuring and addressing forest degradation: An operational approach to forest degradation. Forest Resources Assessment FAO. Roma, Italia. Working paper 158, 8 p.

Cabrera, J.; **Y. Rojas**. 2009. Pago por Servicios Ambientales: Conceptos y Aplicación en Chile. Informe Técnico N° 177. 150 p. INFOR. <https://doi.org/10.52904/20.500.12220/17403>

Bahamondez, C; Martin, M.; Jofre P.; Pugin A.; Müller-Using S. y **Y. Rojas**. 2009. El Cambio Climático y los Bosques . Libro digital divulgativo del Programa de Cambio Climático y Ecosistemas Forestales, INFOR.

Rojas. Y. 2007. Modelo de planificación forestal con fines múltiples en bosques secundarios de Roble-Raulí-Coihue: Aplicación a la comuna de Lanco en Chile. Tesis doctoral. Escuela Técnica Superior de Ingeniero de Montes. Universidad Politécnica de Madrid. 204 p.

Quiroz, I. y **Y. Rojas**. 2003. Pino oregón y Pino ponderosa, coníferas para el sur de Chile. 310 p. INFOR. <https://doi.org/10.52904/20.500.12220/609>

V. OTHERS

Expert reviewer of GHG inventory of Annex I Parties (LULUCF) with participation in the following reviews:

- Centralized review of Austria-Italy-Luxembourg
- In-country review of Romania (2018)
- Desk review of the EU and Luxembourg (2020),
- Centralized review of Iceland, Lithuania, Malta and Turkey (2021).
- Centralized review of Czechia, Germany and Slovenia (2022).

Expert reviewer of non-Annex I Parties (LULUCF Sector), with participation in the review organized by Red Latinoamericana de Inventarios nacionales de gases de efecto invernadero in the following reviews:

- In-country review of the GHG inventory of Uruguay
- In-country review of the GHG inventory of Paraguay

Expert reviewer of National Communications and Biennial Report, with participation in the following reviews:

- Lead reviewer of the in-country review of the seventh national communication (NC7) and third biennial report (BR3) of Belgium.
- Lead reviewer of the centralized review of the BR4 of HRV, SLO, ROU, MCO and LUX.