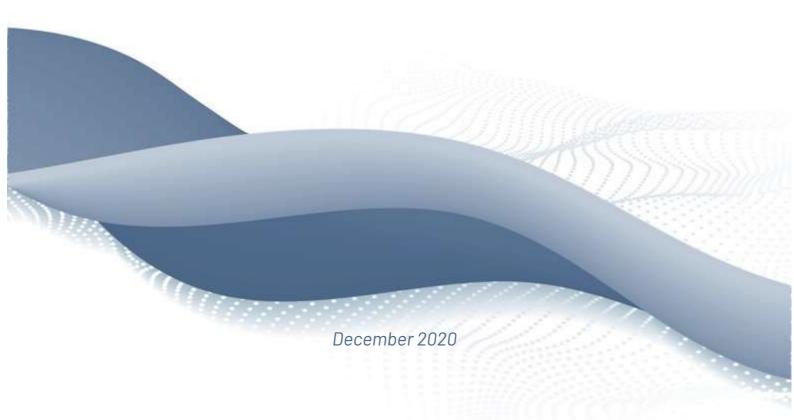




Report

Deep Decarbonization Latin America Project - Argentina -







Review of proposed mitigation actions

- ANNEXES -

Report Activity II-AR.1

New and existing mitigation actions

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I. Annexes

Annex A: List of mitigation options, investment requirements and status



Annex B: Mitigation measures factsheets

This annex summarizes key features of the assessed energy, transport and agriculture mitigation measures included in the National Sectoral and Climate Change Action Plans¹ based on the available information surveyed by FTDT and on the insights obtained during the stakeholder consultations.

Since the document is a continuous work in progress, it will include new information according to the developments of the project and its milestones.

The current version includes, for most actions:

- Sector/ subsector
- Description
- → Emission reductions in 2030 (unconditional and "additional"/conditional).
- Status and assessment.
- Preliminary funding requirements.
- Stated source of funding.
- Key metrics.
- Current and target values.
- → The stakeholders' assessment on the likelihood to become successful by 2030.
- → The barriers' relative strength by type.
- → When possible, a brief note explaining why the action is on track to fulfil its targets or if it is not.

¹ National Transport and Climate Change Action Plan, National Energy and Climate Change Action Plan, National Industry and Climate Change Action Plan, National Infrastructure and Territory, and Climate Change Action Plan and National Agriculture and Climate Change Action Plan

1. Energy

Sector:	Energ	У						
Subsector:	Suppl	У						
Title					Reductio	ns 2030	MtCO2e	
Large-sca	le pe	netration of nor	n-conventional		Uncondi	tional	Additional	
renewable	e pow	er generation i	n the national gri	d	17.55		4.61	
Description					Status:	ler construction evelopment		
Consists on ir additional 8,0	ng the penetration o V by 2025.	id in	O Needs more efforts					
Funding requ								
Unsecured			Private					
Key metrics:	a)	Share of the on-gr	renewabl	.es.				
Rey metries.	b)	b) Increase renewable generation installed capacity in				• • •		
Target value		Current value	Stakeholders' likelih	ood assessr	nent			
25%		8.9%		Very unl	likely			
13,700 M\	X/	3,734 MW		very arm	шксту			
Barriers' rela	tive stı	rength						
Economic	; 	Technical	Financial	Political cultur			egal and stitutional	
36%		9%	33%	14%			9%	

Why does it need more efforts?

The capacity auctioned during the RenovAr rounds is insufficient to comply with the medium and long-term targets, and new rounds should be launched in a context of economic and financial uncertainty.

Sector: Er	nergy					
Subsector: Subsector:	upply					
Title				Reduction	ns 2030	MtCO2e
Distributed	renewable power	generation		Unconditional		Additional
				0.88		-
Description				Status:		er construction evelopment
	generation of electricity		nmercial	Needs more efforts		
level connected	I to the grid, using renew	Able sources				110113
Funding requirements Source of funding						
Unsecured		Private				
Key metrics:	nstalled capacity of distr	ibuted renewable pow	⁄er generati	on by 2030).	
Target value	Current value	Stakeholders' likelih	ood assess	ment		
1,000 MW	2 MW		N/A			
Barriers' relativ	e strength					
Economic	Technical	Financial	Political and cultural			egal and stitutional
Why doos it no	eed more efforts?					

Provinces need to adhere to the distributed energy promotion law, and province distribution regulators need to adopt the standards for the implementation.

Sector:	Energy	V					
	Supply						
Title					Reductions	2030	MtCO2e
Increasing	the k	olend of biofue	els in liquid fossil		Unconditio	nal	Additional
fuels					8.09		1.06
Description					Status:		er construction relopment
in diesel blen	ds and	d a minimum 12% d	ndatory share of 10% o of bioethanol in gasolir implementing flex fue	ne blends,	On track		
Funding requ	iremer	nts	Source of funding				
Unsecured			Private				
Key metrics:	a) b)		f biodiesel in diesel ble f bioethanol in gasoline				
Target value		Current value	Stakeholders' likelih	ood assess	ment		
10% 16%		10% 12%		Very likely	// likely		
Barriers' relat	ive str	ength					
Economic		Technical	Financial	Politica cultu			
10%		5%	0%	0% 75%			10%

Although the promotion law is about to expire, and it is currently being discussed in the Congress, current minimum shares in the blends serve as a basis for complying with the targets set in the sectoral plan.

Sector:	Energy						
Subsector:	Supply						
Title			Reduction	ons 2030 MtCO2e			
Large sca	le hydro power ge	neration	Uncond	ditional Additiona			
			6.0	95 0.25			
Description			Status:	Financed obtained			
b) El Tambolc) Condor (constructid) Chihuido I	ar (70 MW), under const	Barrancosa (360 MV closed,		ack			
Funding req	uirements	Source of funding					
Secured		EXIM/ Multilateral / Development Banks					
Unsecured			Public/ EXIM/ Multilateral Development Banks				
Key metrics:	· ·	talled capacity (MW)					
Target value	Current value	Stakeholders' likelil	nood assessment				
2,509 M\			Likely				
Barriers' rela	tive strength						
Economi	c Technical	Financial	Political and cultural	Legal and institutional			
30%	12%	34%	22%	1%			

Most of the committed projects have already obtained financing and are currently under construction.

Sector:	Energ	У					
Subsector:	Suppl	У					
Title					Reduction	ns 2030	MtCO2e
Nuclear po	ower	generation			Unconditio	onal	Additional
					10.79		3.00
Description					Status:	Planned	I
a) Major b) Proyec c) Major d) IV Nuc	overha cto CAI overha clear Pc REM 15	ul of CN Embalse – I REM 25; Under const ul of Atucha I; ower plant (1,200 MW o: 450 MW, Still unde	ruction (pilot); '); Financed by Chinese	e EXIM. Development b		ı track	
Key metrics:	New	nuclear installed cap	pacity and overhauls (N	MW).			
Target value		Current value	Stakeholders' likelih	ood assessme	nt		
2,727 MW	/	683 MW		Very likel	У		
Barriers' rela	tive str	rength					_
Economic		Technical	Financial	Political an cultural	id		al and utional
39%		9%	29%	19%		4	%

Argentina's track record on significative delays in nuclear power plant constructions, in addition to the challenges associated to developing (CAREM) and adopting (IV power plant) new technologies make it excessively challenging to complete the proposed projects.

Sector:	Energ	У					
Subsector:	Suppl	У					
Title					Reduction	ons 20	30 MtCO2e
Off-arid re	enewa	able power gen	eration (PERMER)	Uncondit	tional	Additional
<u> </u>	J.10 W.			*	0.05	_	-
Description			Status				er construction velopment
Consists on in	nstalling	g small-scale solar F	V equipment in rural a	areas.	On tra	ack	
Funding req	uireme	nts	Source of funding				
212 MMUSD Secured			Public & EXIM/ Multilateral / Development bank				
Key metrics:	PERM	1ER II renewable po	wer generation (MWh)	: new operatio	nal facilit	ies	
Target value	•	Current value	Stakeholders' likelih	ood assessme	ent		
70.606 MWh/ye	ar	-		Very likely			
Barriers' rela	tive str	ength					
Economi	C	Technical	Financial	Political ar cultural			egal and stitutional
		30%		60%			

PERMER is a successful programme which began in year 2000 and is currently finishing is second stage, operating along the span of more than 5 successive governments.

Sector:	Energ	Energy									
Subsector:	Suppl	У									
Title					Reductio	30 MtCO2e					
Fossil fuel	swite	ch of liquid foss	il fuels for power	r	Unconditional		Additional				
generatio	n by r	natural gas			5.52		-				
Description			Status:		er construction velopment						
Consists on comby the increa		Needs more efforts									
Funding requ	uireme	nts	Source of funding								
Secured			Private & public								
Key metrics:	Share	e of natural gas over	total thermal fossil fue	els consumpti	on for pow	er ge	eneration.				
Target value	•	Current value	Stakeholders' likelih	ood assessm	ent						
99%		92.6%		Very likely							
Barriers' rela	tive str	ength									
Economic		Technical	Financial	Political and cultural			egal and titutional				
85%		15%	-	-			-				

Argentina's natural gas production resumed its decline in 2020 after 4 years of steady growth, compromising the share of natural gas in power generation due to increased needs for liquid fossil fuels.

Sector:	ector: Energy										
Subsector:	Suppl	У									
Title					Reduction	ons 20	30 MtCO2e				
Increasing	effic	iency in power	generation		Unconditional		Additional				
111010431119	, 01110	noney in power			3.32		-				
Description					Status:		er construction. velopment				
adding combined heat and power plants and by closing open cycles.							track				
Funding requ	uireme	nts	Source of funding								
Secured			Private								
Key metrics:	New	capacity additions o	f CHP and combined o	cycles.							
Target value		Current value	Stakeholders' likelih	ood assessme	ent						
1,810 MW	/	1,200 MW		Very likely							
Barriers' rela	tive str	ength									
Economic		Technical	Financial	Political and cultural			egal and titutional				
Х			х								

The PPAs celebrated under Resolution 287/2017 hate resulted in the incorporation of new installed capacity with slight delays and is on track to complete the target value during the first half of 2021.

Sector:	Energ	У					
Subsector:	Dema	nd					
Title					Reduction	ons 20	30 MtCO2e
Water eco	nomi	izers			Uncondit	ional	Additional
water eec	71101111				-		3.10
Description	•						ned
Consists on installing water economizers in households and commerce.							:k
Funding requ	uireme	nts	Source of funding				
Undisclosed			Private				
Key metrics:	Num	ber of water econon	nizers sold.				
Target value		Current value	Stakeholders' likelih	ood assessme	ent		
N/A		N/A		Likely			
Barriers' rela	tive str	ength					
Economic	С	Technical	Financial Political ar cultural				egal and stitutional
31%	31% 4%		27%	20%		18%	

Despite several years under development, the large-scale adoption of water economizers is still far from going mainstream.

Sector:	Energy										
Subsector:	Dema	nd									
Title					Reductio	ns 20	30 MtCO2e				
Solar water	er hea	aters			Unconditi	Additional					
					0.64		0.39				
Description	Description						ned				
Consists on in	ds.	Not on track									
Funding requirements Source of funding											
Unsecured			Private								
Key metrics:	Squa	re meters of solar co	ollectors installed by y	ear.							
Target value	:	Current value	Stakeholders' likelih	ood assessm	ent						
N/A		N/A		N/A							
Barriers' rela	tive st	ength									
Economi	C	Technical	Financial	Political and cultural			egal and titutional				
Х		X		×							

Despite several years under development, the large-scale adoption of solar thermal water heater is still far from going mainstream and is not sufficiently promoted by government agencies or regulation.

Sector:	Energ	Energy								
Subsector:	Dema	nd								
Title					Reductions 2030 MtCC					
Public ligh	ntina				Unconditi	onal	Additional			
					4.62		-			
Description					Status:	Execu	uted			
Consists on I	replacir	ng public lamps by	LED and High-pressu	ure sodium	On tra	ck				
Funding requ										
Secured			Public							
Key metrics:	a) b)	•	ver total public lighting re Sodium lamps over		hting					
Target value	1	Current value	Stakeholders' likelih	ood assessme	ent					
74%		25%		Van dikaby /	likoly					
26%		18%		Very likely /	икецу					
Barriers' rela	tive str	ength								
Economic		Technical	Financial	Political ar cultural			gal and itutional			
56% 6%		6%	19%	13%		6%				

Apart from specific government initiatives, technology developments are gradually displacing older lamps with the target technologies.

Sector:	Energy									
Subsector:	Dema	nd								
Title					Reductio	ns 20	30 MtCO2e			
Efficiency	in ho	me appliances			Uncondition	onal	Additional			
					10.62		1.30			
Description					Status:		er construction velopment.			
	Consists on replacing household equipment by more efficient appliances, including reduced stand-by power consumption and set-point measures for HVAC.						On track			
Funding requ	uireme	nts	Source of funding							
Unsecured			Private							
Key metrics:	% of h	nousehold equipme	nt ranked A3+ and A5+							
Target value		Current value	Stakeholders' likelih	ood assessme	ent					
70%		N/A		Likely						
Barriers' rela	tive str	ength								
Economi	C	Technical	Financial			egal and titutional				
31%		4%	27%	20% 18			18%			

Although preferences are still biased by the appliance acquisition costs, initial government efforts in labeling have been complemented by natural market developments, and current sales have increasingly cut lower efficiency equipment supply.

Sector:	Energ	У						
Subsector:	Dema	nd						
Title					Reduction	ons 20	30 MtCO2e	
Heat pum	ns				Uncondit	ional	Additional	
					-		3.20	
Description					Status:	Plan	ned.	
Consists on replacing balanced draft stoves by heat pumps in households.					O Needs more efforts			
Funding requ	uireme	nts	Source of funding					
Unsecured			Private					
Key metrics:	% of h	neat pumps over hou	ısehold heating equip	ment.				
Target value	;	Current value	Stakeholders' likelih	ood assessme	ent			
90%		N/A		Likely				
Barriers' rela	ative str	ength						
Economi	С	Technical	Financial					
31%		4%	27%	20%		18%		

There is still lack of awareness on the benefits of this type of equipment, while Argentina's cultural trend towards the use of natural gas for heating still dominates consumer preferences.

Sector:	Energ	У						
Subsector:	Dema	nd						
Title					Reduction	ons 20	30 MtCO2e	
Enhanced	ther	nal envelope in	buildings		Uncondit	ional	Additional	
					-		1.21	
Description					Status:	Plan	ned	
Consists on enhancing the thermal enclosures of residential buildings.					efforts			
Funding requ	uireme	nts	Source of funding					
Unsecured			Private					
Key metrics:	Num	ber of enhanced hou	ıseholds.					
Target value	;	Current value	Stakeholders' likelih	ood assessme	ent			
5.7 Millio	n	N/A		Likely				
Barriers' rela	tive st	ength						
Economic	С	Technical	Financial	Political a cultural			egal and titutional	
31%		4%	27%	20%			18%	

The lack of adequate energy price signals and the scarce insertion of energy efficiency in the curricula or architectural and engineering programmes delay the adoption of best practices regarding thermal enclosure in buildings.

Sector:	Energ	У					
Subsector:	Dema	nd					
Title					Reduction	ns 20	30 MtCO2e
Efficient t	ankle	ss water heatei	'S		Unconditi	ional	Additional
	<u> </u>				0.38		1.96
Description					Status:	Plan	ned
Consists on replacing current equipment with more efficient tankless (non pilot) water heaters.				O Needs more efforts			
Funding requ	uireme	nts	Source of funding				
Undisclosed			Private				
Key metrics:	a) b)	,	rate over installed cap orage water heaters w	•	eous wate	r heat	ers.
Target value		Current value	Stakeholders' likelih	ood assessme	ent		
100%		(Sales 100%)		Likoly			
70%				Likely			
Barriers' rela	tive str	ength					
Economi	C	Technical	Financial	Financial			egal and titutional
31%		4%	27% 20% 18%				18%

Although several legislative initiatives have failed to pass, domestic suppliers are increasingly including efficient tankless non-pilot-light water heaters. However, tank water heater still dominates the domestic market.

Sector:	Energ	У							
Subsector:	Dema	nd							
Title					Reductio	ns 20	30 MtCO2e		
Househol	d liah	tina			Unconditi	onal	Additional		
1100301100	a agn				20.37		-		
Description					Status:	Exec	uted		
Consists on bulbs.	nsists on replacing halogen and CFL light bulbs with LED light bs.					On track			
Funding requ	uireme	nts	Source of funding						
Secured			Public						
Unsecured			Private						
Key metrics:	% Led	d light bulbs over ins	stalled capacity.						
Target value	;	Current value	Stakeholders' likelih	ood assessme	ent				
100%		62%		Very likel	.y				
Barriers' rela	itive str	ength							
Economi	С	Technical	Financial	Political and cultural			gal and titutional		
50%		0%	13%	31% 6%			6%		

Kickstarted by government initiatives, led light bulbs are gradually taking over new installations due to natural market inertia and lowering costs.

Sector:	Energy					
Subsector:	Industry					
Title				Reduction	1s 2030 l	MtCO2e
Efficient e	electric motors			Uncond	itional	Additional
				2.4	9	1.74
Description				Status:	Plani	ned
	eplacing three-phase variable speed drives		ors with more efficient O Needs more efforts			
Funding req	uirements	Source of funding				
Unsecured		Private & Public				
Kov motricci	a) % of IE3 rate	ed motors over install	ed capacity.			
Key metrics:	b) % of motors	including variable sp	eed drives.			
Target value	Current value	Stakeholders' likeli	hood assessn	nent		
82%			1/00	likaly		
30%			very	likely		
Barriers' rela	tive strength					
Economic	Technical	Financial	Political and	l cultural	Legal	and institutional
54%	5%	13%	18%	,)		10%

Despite several years under development, the large-scale adoption of IE3 motors is still far from going mainstream due to the lack of economic incentives in a context of artificially low energy prices (except for Large users ("GU").

Sector:	Energy						
Subsector:	Industry						
Title					Reduction	ns 20	30 MtCO2e
Efficient In	dustrialized Con	stru	ction Systems		Unconditi	ional	Additional
	idastriatized 9011	<u> </u>			0.38		-
Description					Status:	Plar	ned
		ng industrialized construction systems, such and pre-built components.					e efforts
Funding requirements Source of funding			Source of funding				
Undisclosed			Private				
Key metrics:	Surface constructed	by th	ese means per year. (million square	e meters).		
Target value	Current value		Stakeholders' likelih	ood assessm	ent		
12	3			N/A			
Barriers' rela	tive strength						
Economic	Technical		Financial	Political and cultural			
	Х		X X				X
Why is it not	on track?		1				

Efficient industrialized systems are still emerging and lack of sufficient demand and awareness to gain scale.

Sector: Ene	rgy					
Subsector: Indu	ustry					
Title				Reduction	ns 20	30 MtCO2e
Efficient indu	strial lighting			Unconditi	ional	Additional
Emoioni maa				0.40		-
Description	cription				Plan	ned
Consists on repla	cing current light bu	current light bulbs (mostly fluorescent) with On track				
Funding requiren	nents	Source of funding				
Undisclosed	osed Private					
Key metrics: % o	of led lighting over tota	al.				
Target value	Current value	Stakeholders' likelih	ood assessme	ent		
80%	N/A		N/A			
Barriers' relative	strength					
Economic	Technical	Financial	Political and cultural			egal and titutional
X	X	x				
Why is it on trac	1/2		ı			

Kickstarted by government initiatives, led light bulbs are gradually taking over new installations due to natural market inertia and lowering costs.

Sector: Energy							
Subsector:	ndustry						
Title				Reductio	ns 20	30 MtCO2e	
Shut-case	commercial fridges			Uncondition	onal	Additional	
Office Guso (0.45		-	
Description						ned	
	eplacing open commercial fridges with closed fridges in nce thermal isolation.					k	
Funding requi	rements	Source of funding					
Undisclosed		Private					
Key metrics:	Number of medium-size	d supermarkets reache	ed.				
Target value	Current value	Stakeholders' likelih	ood assessm	ent			
8.000	N/A		N/A				
Barriers' relati	ve strength						
Economic	Technical	Financial	Political and cultural		`		
×		x					
W/hy is it not	on track?	1	ı	I			

This action is still under development and has shown no substantive advancements so far.

Sector: Ene	ergy					
Subsector: Ind	ustry					
Title				Reductio	ns 20	30 MtCO2e
Resource effi	iciency in the foo	d industry		Uncondition	onal	Additional
1100000100 0111		- Industry		N/A		N/A
Description		Status: Planned				
Consists on enha	ncing processes for re	resource efficiency. Not on track				
Funding requirer	nents	Source of funding				
Undisclosed		Private				
Key metrics:						
Target value	Current value	Stakeholders' likeli	hood assessm	ent		
N/A	N/A		N/A			
Barriers' relative	strength					
Economic	Technical	Financial	Political a cultural		Legal an institution	
N/A	N/A	N/A	N/A N/A			N/A
Why is it not on	track?					

This action is still under development and has shown no substantive advancements so far.

Sector: Energ	Jy						
Subsector: Indus	try						
Title				Reductions	2030 MtCO2e		
Recovery and	l use of res	idual currents	in the	Unconditional	Additional		
petrochemical	industries			-	0.01		
Description Status: Planned							
Consists on the recovery and use of gasses currently burnt without harnessing the gasses' energy potential.							
Funding requireme	ents	Source of funding					
Undisclosed		Private					
Key metrics:							
Target value	Current value	Stakeholders' likelih	ood assessme	ent			
N/A	N/A		Likely				
Barriers' relative st	rength						
Economic	Technical	Financial Political and Legal and cultural institutional					
23%	4%	15% 31% 27%					

This action is still under development and has shown no substantive advancements so far. Additionally, several constraints exist, both related to technical and regulatory issues.

Sector:	Energ	У						
Subsector:	Indust	ry						
Title					Reductions 2030 MtCO2e			
Solar PV a	and w	ind power in inc	Hustry		Uncondit	ional	Additional	
	41104 00				0.12			
Description					Status:	Plan	ned	
Consists on ir own use.	nstalling	g small capacity sola	ity solar PV and wind power for industry				efforts	
Funding req	uireme	nts	Source of funding					
Secured Undisclosed			Public Private					
Key metrics:	Instal	led capacity at indu	strial level.					
Target value	;	Current value	Stakeholders' likelih	ood assessm	ent			
100 MW	/	20 MW		Likely / Unl	ikely			
Barriers' rela	ative str	ength						
Economi	С	Technical	Financial				egal and titutional	
36%		2%	36%	13%			13%	

Although there are specific market instruments for promoting the use of renewable energy in industry (such as MaTer), adoption is still driven by larger corporate policies and niche markets.

Sector: Energy							
Subsector:	Indust	ry					
Title Redu							30 MtCO2e
Solar thermal energy for Industry					Unconditional Ad		Additional
Solar thermat energy for maustry				0.73		-	
Description				Status:	Plan	ned	
Consists on installing solar thermal heating equipment in industry.					Not o	n trac	k
Funding requ	Inding requirements Source of funding						
Undisclosed			Private				
Key metrics:	Num	ber of solar collector	s for industrial use.				
Target value		Current value	Stakeholders' likelih	ood assessme	ent		
1,300,000	0	33,750		Likely / Unl	ikely		
Barriers' rela	itive str	ength					
Economic	С	Technical	Financial Political and Legal an cultural institution				
36%		2%	36% 13% 13			13%	

Despite several years under development, the adoption of solar thermal energy in the industry is not sufficiently promoted by government agencies or regulation and is far for going mainstream.

Sector:	Energ	У						
Subsector:	Indust	ry						
Title					Reductions 2030 MtCO26			
Biogas pro	oduct	ion			Uncond	itional	Additional	
Description					Status:		0.11 er construction velopment	
	Consists on installing bio-digestors in order to replace LPG for thermal purposes and other fuels for power generation.				O Needs more efforts			
Funding requ	uireme	nts	Source of funding					
Secured			Public					
Undisclosed			Private					
Key metrics:	Numl	ber of installations @	250 kW average capa	acity.				
Target value	,	Current value	Stakeholders' likelih	ood assessme	ent			
100		N/A		Likely / Unlil	kely			
Barriers' rela	tive str	ength						
Economic		Technical	Financial Political and Legal and cultural institutiona					
36%		2%	36% 13% 13%				13%	

Although there are specific market instruments for promoting the use of renewable energy in industry (such as MaTer), adoption is still driven by larger corporate policies and niche markets.

Sector: Ene	rgy						
Subsector: Industry							
Title				Reduction	ons 20	30 MtCO2e	
Use of Black I	Unconditional Addi		Additional				
OGO OI BIGOR I	-		0.76				
Description				Status:	Plan	ined	
Consists on double natural gas and H	g the use of	Needs	more	e efforts			
Funding requiren	nents	Source of funding					
Undisclosed		Private					
Key metrics: Do	uble the current use o	f black liquor.					
Target value	Current value	Stakeholders' likelih	ood assessm	ent			
2X	1X		Likely				
Barriers' relative	strength						
Economic	Technical	Financial			egal and stitutional		
23%	4%	15% 31%				27%	

This action is still under development and has shown no substantive advancements so far. Additionally, several constraints exist, both related to cultural and regulatory issues.

Sector: Ener	тду				
Subsector: Indu	stry				
Title			Reduc	tions 20	30 MtCO20
Circular Econo	my — reuse of	scrap residues	Uncor	nditional	Additiona
			1.	37	0.03
Description			Status	: Plan	ned
a) Recovery o	f ferrous metals				
b) Recovery o	f aluminum				
•	f lead from batteries				
d) Recovery o			⊘ No	t on trac	k
e) Recovery o	•				
f) Recovery o	• •				
,	f unused tires				
Funding requirem	ents	Source of funding			
Undisclosed		Private			
	below				
Target value	Current value	Stakeholders' likelih	ood assessment		
720,000 t of iron	N/A				
2% of available aluminum	N/A				
95% of available lead in batteries	N/A				
20,500 t of copper	N/A		Likely		
20% of PE and PP; 45% of PET	N/A		Linety		
1,05 X of current recovery of paper	1X	1			
60,000 tons of tire materials recovered	15,000 t	1			
Barriers' relative s	trength				
Economic	Technical	Financial	Political and cultural		egal and titutional
23%	4%	15%	31%		27%

This action has shown no substantive advancements so far. Additionally, several constraints exist, most notably the need to adapt the hazardous residues law and promoting transparent markets for recycled materials.

Sector:	nergy						
Subsector: Industry							
Title			Red	uctions 2	030 MtCO2e		
Alternative	Und	Unconditional Addi					
				0.1	0.21		
Description			Stat	us: Plan	nned		
Consists on rep	lacing traditional fuels w	rith high-heat residues.	1 🔘	Not on trac	ck		
Funding requir	ements	Source of funding					
5-20 MMUSD p	er installation.						
Secured		Public (BICE)					
Undisclosed		Private					
Key metrics:	% of traditional fuels sub	stituted.					
Target value	Current value	Stakeholders' likelih	ood assessment				
5% (unc.)- 15% (ad	dd.) 0%	N/A					
Barriers' relativ	ve strength						
Economic	Technical	Financial Political and Legal and cultural institutional					
23%	4%	15% 31% 27%					

This action has shown no substantive advancements so far. Additionally, several constraints exist, most notably the need of financing capital intensive equipment.

Sector:	Energy						
Subsector:	Industry						
Title				Reductions 2030 MtCO26			
Increase of		Unconditional Ad		Additional			
Increase of additives in the cement industry						0.08	
Description					Planr	ned	
Consists on partially replacing clinker Portland with mineral additives.					n tracl	K	
Funding requi	rements	Source of funding					
5-12 MMUSD p	oer installation.						
Undisclosed		Private					
Key metrics:	Clinker factor (%)	•					
Target value	Current value	Stakeholders' likelih	ood assessme	nt			
70%	71.4%	N/A					
Barriers' relat	ive strength						
Economic	Technical	Financial Political and Legal and cultural institutional					
×	Х						

This action has shown no substantive advancements so far. Additionally, several constraints exist, most notably the need of financing capital intensive equipment.

Sector: Energy								
Subsector:	Infrast	ructure						
Title					Reduction	ctions 2030 MtCO2e		
Minimum	qualit	y standards for	social-interest		Unconditional Additional			
households						.	N/A	
Description					Status:		er construction velopment	
Consists on setting standards for incorporating energy efficiency and renewable features to new social interest households.					Not on track			
Funding requ	uiremer	nts	Source of funding					
Secured			Public					
Unsecured			Multilateral/EXIM/d	evelopment b	anks			
Key metrics:	Numb	per of households bu	uilt under new standar	ds.				
Target value	;	Current value	Stakeholders' likelih	ood assessme	ent			
N/A		N/A		Unlikely	,			
Barriers' rela	tive str	ength						
Economic	C	Technical	Financial			egal and titutional		
50%		0%	13% 31%				6%	

Despite isolated government initiatives and setting certain standards, the adoption of energy efficiency standards in social interest households is still incipient.

Sector: Ene	ergy					
	astructure					
Title				Reduction	s 2030 MtCO2e	
Enhancemen	t of <i>social int</i>	erest household	ds with	Uncondition	nal Additional	
qualitative de	eficit - <i>Best Sust</i> a	inable Housing		7.38	-	
Description				Status:	Under construction/ development	
Consists on enhancing —among other features— energy efficiency and connection to the power grid through the <i>Mejor Hogar Sustentable</i> programme.					track	
Funding requiren	nents	Source of funding				
Unsecured		Public				
Undisclosed		Private				
Key metrics: Nu	ımber of enhanced ho	useholds.				
Target value	Current value	Stakeholders' likelih	ood assessme	ent		
N/A	N/A		Likely			
Barriers' relative	strength					
Economic	Technical	Financial Political and Legal and cultural institutiona				
38%	0%	26% 32% 27%				
\V/by is it not on						

Despite government initiatives, efforts and setting certain standards, the adoption of energy efficiency standards in social interest households is still incipient.

Sector:	Energ	У						
Subsector:	Infrast	ructure						
Title					Reducti	ions 20	30 MtCO2e	
Access to	natur	al gas in house	holds		Uncondi	itional	Additional	
					N/A		-	
Description					Status:		er construction/ elopment	
Consists on c	onnect	ed new households	ds to the grid when these are near					
the current ne	etwork	infrastructure.	O Needs more efforts					
Funding requ	ıireme	nts	Source of funding					
Secured			Public					
Key metrics:	Numl	ber of new house	holds connected to	the grid und	der de <i>N</i>	Mejor	Hogar Gas	
Rey metrics.	progr	ramme.						
Target value		Current value	Stakeholders' likelih	ood assessm	ent			
82,593		33,037		Likely				
Barriers' rela	tive str	ength						
Economic	:	Technical	Financial Political and Legal and cultural institutional					
53%		0%	27%	20%			0%	

Despite government initiatives the connection of households currently using LPG to natural gas grids has faced several bottlenecks, notably the lack of willing natural gas installers.

Sector:	Energ	У					
Subsector:	Infrast	ructure					
Title					Reduction	ons 20	30 MtCO2e
Developm	ent o	f new sustainal	ole private house	holds	Unconditional Ac		Additional
2 ot otopii				110100	N/A		-
Description					Status:	Plan	ned
		ng energy efficiency lation of solar therm	y of private households and nal heating. Needs more efforts				
Funding requ	uireme	nts	Source of funding				
Secured			Public (credits)				
Undisclosed			Private				
Key metrics:	Num	ber of approved hou	seholds under these c	criteria.			
Target value		Current value	Stakeholders' likelih	ood assessme	ent		
N/A		N/A		TBD			
Barriers' rela	tive str	ength					
Economic	C	Technical	Financial Political and Legal and cultural institutiona				
×				х			

More than a decade of artificially low energy prices and the lack of incentives have culturally biased homeowners towards privileging lower construction and appliance costs vs. efficient construction and solar thermal water heaters.

2. Transport

Sector:	Trans	oort					
Subsector:	Passe	nger / Railway					
Title					Reductio	ns 20	30 MtCO2e
Hierarchiz	ation	of the railway -	Development of	Regional	Uncondition	Additional	
Express R	ailwa	ys (RER)			0.733		-
Description					Status:		er construction velopment
Consists on the development of infrastructure to enhance the Metropolitan Area of Buenos Aires' (AMBA) network connectivity and replacing diesel engines with electric trains							
Funding requ	uireme	nts	Source of funding				
14,000 MMUS	SD						
Secured			Public & Multilateral/	EXIM / Develo	opment bai	nks	
Unsecured			Public & Multilateral/	EXIM/Develo	pment bar	ıks	
Key metrics:	a) b)		ear per branch. Iption per year per bra	nch.			
Target value		Current value	Stakeholders' likelih	ood assessm	ent		
N/A		N/A		TBD			
Barriers' rela	tive str	ength					
Economic		Technical	Financial	Political a cultural			egal and titutional
		×	Х				

Sector:	Trans	oort					
Subsector:	Passe	nger / Railway					
Title					Reductio	ns 20	30 MtCO2e
Hierarchiz	ation	of the railway	/ — Construction	of non-	Uncondition	onal	Additional
level cross	sings				0.041		-
Description	Description						er construction velopment
Consists on the construction of non-level crossings in order to enhance the vehicle circulation by reducing congestion and enhancing security Needs more efforts						efforts	
Funding requ	unding requirements Source of funding						
Secured			Public & Multilateral/	EXIM /Develo	pment ba	nks	
Unsecured			Public & Multilateral/	EXIM/Develo	pment bar	nks	
Kov motrics	a)	Number of new n	on-level crossings (out	of 828).			
Key metrics:	b)	Annual Average D	aily traffic through the	new non-leve	el crossing	S.	
Target value		Current value	Stakeholders' likelih	ood assessme	ent		
120		N/A	TBD				
Barriers' rela	tive str	ength					
Economic		Technical	Financial	Political a cultural			egal and stitutional
				×			

Sector:	Trans	oort					
Subsector:	Passe	nger / Road					
Title					Reduction	ons 20	30 MtCO2e
Developm	nent	of low emiss	ion mobility —	Energy	Uncondit	ional	Additional
efficiency	label	ing			N/A		-
Description					Status:		er construction velopment
			ency labels to light ve erm to medium and h		Needs	more	efforts
Funding requ	uireme	nts	Source of funding				
Undisclosed			Private				
Key metrics:	Num	ber of labeled vehicl	e sales / total.				
Target value	•	Current value	Stakeholders' likelih	ood assessme	ent		
N/A		N/A		TBD			
Barriers' rela	itive str	ength					
Economi	О	Technical	Financial	Political a cultural			egal and titutional
X				X			

Sector:	Trans	oort						
Subsector:	Passe	nger / Road						
Title					Reductio	ns 20	30 MtCO2e	
Developm	nent c	of low emission	mobility — Pror	notion of	Unconditional A		Additional	
low emiss	low emission light vehicles					0.465		
Description					Status:	Plan	ned	
Consists on the introduction of light low emission electric vehicles, beginning with captive fleets.					Not on track			
Funding requ	uireme	nts	Source of funding					
Undisclosed			Private					
Key metrics:	Num	ber of Light EV sold	over total					
Target value		Current value	Stakeholders' likelih	ood assessme	ent			
N/A		N/A	TBD					
Barriers' rela	ıtive str	ength						
Economic	С	Technical	Financial	Political ar cultural			egal and stitutional	
×		Х	х	×			×	

Sector:	Trans	oort					
Subsector:	Passe	nger / Road					
Title					Reduction	ns 20	30 MtCO2e
Developm	nent c	of low emission	mobility — Pror	notion of	Unconditi	Additional	
alternativ	e ene	rgy buses			0.154		-
Description					Status:	Plan	ned
Consists on the introduction of electric and hybrid buses, Not on track						k	
Funding requ	uireme	nts	Source of funding				
Undisclosed			Private				
Key metrics:	Num	ber of electric buses	in the Metropolitan A	rea of Buenos	Aires / to	tal.	
Target value		Current value	Stakeholders' likelih	ood assessm	ent		
30% (2030)	<1%	TBD				
Barriers' rela	ıtive stı	ength					
Economic	С	Technical	Financial	Political a cultural			egal and etitutional
X		X	Х	X			Х

Sector:	Transport					
Subsector:	Passenger / Road					
Title				Reduction	ns 2030 M	tCO2e
Urban pa	ssenger transport	 Renewal of b 	us fleets	Uncondition	nal Add	ditional
(Euro III to	Euro V)			0.065		-
Description				Status:	Planned	
Consists on metropolitan	replacing existing Euro I areas.	Euro V in	Needs more efforts			
Funding requ	uirements	Source of funding				
Undisclosed		Private				
Key metrics:	New units' distance/ye	ear.				
Target value	Current value	Stakeholders' likelih	ood assessme	ent		
N/A	N/A		TBD			
Barriers' rela	tive strength					
Economic	Technical	Financial	Political a cultural		Legal ar institutio	
	X		Х		X	

Sector:	Trans	oort					
Subsector:	Passe	nger / Road					
Title					Reduction	ns 20	30 MtCO2e
Urban pa	assen	ger transport	Implement	ation of	Unconditi	ional	Additional
Metrobus	es				0.457	,	ND
Description					Status:		er construction velopment / ed
Consists on the construction specific bus lanes for rapid transit buses (metrobus)							
Funding requ	uireme	nts	Source of funding				
Secured			Public				
Key metrics:	New	constructed bus lan	es.				
Target value	:	Current value	Stakeholders' likelih	ood assessm	ent		
22 (2030))	N/A		TBD			
Barriers' rela	tive str	ength					
Economic	С	Technical	Financial	Political a cultural			egal and titutional
				Х			

Sector:	Trans	oort						
Subsector:	Passe	nger / Air						
Title					Reduction	ons 20	30 MtCO2e	
Urban p	asser	nger transport	. – Moderniza	ation of	Uncondit	ional	Additional	
commerci	ial avi	ation			0.003	3	-	
Description					Status:		er construction velopment	
consumption	Consists on adopting more efficient airplanes, enhancing fuel consumption and air traffic by the adoption of better routes, and the modernization of the airport infrastructure.					O Needs more efforts		
Funding requ	uireme	nts	Source of funding					
Secured			Public					
Key metrics:	Fuel	consumption per pa	ssenger per airline.					
Target value		Current value	Stakeholders' likelih	ood assessm	ent			
N/A		N/A	TBD					
Barriers' rela	tive str	ength						
Economic	С	Technical	Financial	Political a cultural			egal and titutional	
Х		X		X				

Sector:	Trans	port						
Subsector:	Passe	nger / Railway						
Title					Reduction	30 MtCO2e		
Recovery	of rai	lways — Re-est	ablishment of int	er-urban	Unconditio	nal	Additional	
passenge	r rail s	services			0.030		-	
Description					Status:		er construction velopment	
Consists on the investment on infrastructure and railway rolling stock, as well as in better management systems in order to promote the switch from road to railway transport, mostly focused on the routes between Buenos Aires to Mar del Plata, and Buenos Aires to Rosario.					Malted Halted			
Funding requ	uireme	nts	Source of funding					
Secured			Public					
Key metrics:	Num	oer of passengers p	er branch per year.					
Target value		Current value	Stakeholders' likeliho	ood assessm	ent			
N/A		N/A	TBD					
Barriers' rela	tive str	ength						
Economic	С	Technical	Financial	Political a cultural			egal and titutional	
				Х				

Sector:	Trans	oort					
Subsector:	Freigh	nt / Railway					
Title					Reduction	ns 20	30 MtCO2e
Hierarchiz	ation	of the railwa	y (freight) — Rai	il Freight	Uncondition	Additional	
Investmer	nt Pla	n truck-to-rail	. cargo switch		1.873	-	
Description	Description					Plani	ned/disputed
	, mode	rnization and the ha	om truck to rail freights through the nabilitation of new branches, as well Halted				
Funding requ	uireme	nts	Source of funding				
14,982 MMUSD until 2035							
Secured			Public				
Undisclosed			Public & Multilateral/	EXIM /Develo	opment bar	nks	
Key metrics:	ton-k	m per year through	enabled branches ove	er total ton-km	n per year		
Target value		Current value	Stakeholders' likelih	ood assessm	ent		
N/A		N/A		TBD			
Barriers' rela	tive str	ength					
Economic	C	Technical	Financial	Political a cultural			egal and titutional
Х		×		Х			X

Sector:	Transp	Transport								
Subsector:	Freigh	it / Road								
Title					Reduction	ns 20	30 MtCO2e			
Enhancen	nent	of road freigh	t transport effic	ciency –	Unconditi	Additional				
Smart Tra	Smart Transport Programme						-			
Description						Plan	ined			
Consists on creating a voluntary programme for freight transport companies regarding enhancing truck load factors, aerodynamics, efficient tires, and operational enhancements, among others.						O Needs more efforts				
Funding requ	uireme	nts	Source of funding							
Secured			Public							
Key metrics:	Numl	ber of trucks adoptir	ng the programme per	year						
Target value	;	Current value	Stakeholders' likelih	ood assessm	ent					
N/A		N/A		TBD						
Barriers' rela	tive str	ength								
Economic	С	Technical	Financial Political and Legal and cultural institutional							
Х			X	X						

Sector:	Trans	Transport									
Subsector:	Freigh	nt / Road									
Title					Reduction	ns 20	30 MtCO2e				
Enhancen	nent	of road freigh	t transport effic	ciency –	Unconditional A		Additional				
Truck driv	er tra	ining			1.040		-				
Description					Status:	Planı	ned				
Consists on capacity building actions focused on truck drivers according to smart driving standards.					O Needs more efforts						
Funding requ	uireme	nts	Source of funding								
Secured			Public								
Key metrics:	Num	ber of trained drivers	s per year.								
Target value		Current value	Stakeholders' likelih	ood assessme	ent						
N/A		N/A		TBD							
Barriers' rela	tive str	ength									
Economic	С	Technical	Financial Political and Legal and cultural institutional								
		X	X								

Sector:	Trans	port				•	
Subsector:	Freigh	it / Road					
Title					Reduction	30 MtCO2e	
Enhancen	nent	of road freigh	t transport effic	iency –	Uncondit	ional	Additional
Renewal	of true	ck fleets with so	crapping		0.336		-
Description					Status:		er construction velopment
replacing exis	sting ve	cing the road freig chicles and scrappin	O Needs more efforts				
Funding requ	uireme	nts	Source of funding				
Undisclosed			Private				
Key metrics:	a) b)		acquired vehicles und ed vehicles.	er the progran	mme.		
Target value		Current value	Stakeholders' likelih	ood assessm	ent		
N/A		N/A		TBD			
Barriers' rela	tive str	ength					
Economic	C	Technical	Financial Political and Legal ar cultural institutio				
×				X			X

Sector:	Trans	oort						
Subsector:	Freigh	nt / Road						
Title					Reduction	ns 20	30 MtCO2e	
Enhancen	nent	of road freigh	t transport effic	ciency —	Uncondit	ional	Additional	
National F	Road I	Plan to 2025			N/A		N/A	
Description					Status: Under construct / development			
Consists on the development of road infrastructure and specific materials enhancing the flow and transit. The plan involves the construction of 2,800 km of new highways, 2,500 km of safe routes, the rehabilitation of 13,000 km of routes and the paving of 2,000 km of existing routes. Funding requirements Source of funding								
37,000 MMU Secured Unsecured			Public Multilateral/EXIM /De	evelopment b	anks			
Key metrics:	D.	Annual Average D	aily traffic through the			ays /	roads.	
Target value	·	Current value	Stakeholders' likelih	ood assessme	ent			
N/A		N/A		TBD				
Barriers' rela	itive str	ength						
Economi	C	Technical	Financial	Political ar cultural			egal and titutional	
X		X		Х				

Sector:	Trans	oort							
Subsector:	Freigh	nt / Road							
Title					Reductio	ns 20	30 MtCO2e		
Enhancen	nent	of road freigh	t transport effic	ciency —	Uncondition	Additional			
Speed lim	iting		N/A		N/A				
Description					Status:		er construction evelopment		
Consists on the adoption of speed limiting devices in trucks.						O Needs more efforts			
Funding requ	uireme	nts	Source of funding						
Unsecured			Private						
Key metrics:	Num	ber of installations o	f speed limiting device	es per year.					
Target value	;	Current value	Stakeholders' likelih	ood assessm	ent				
N/A		N/A		TBD					
Barriers' rela	tive str	ength							
Economic	С	Technical	Financial Political and Legal and cultural institutional						
		X		X			Х		

Sector:	Transport						
Subsector:	Freight / Road						
Title				Reductions	s 2030 MtCO2e		
Enhancen	nent of road freig	ht transport effic	ciency -	Uncondition	al Additional		
Paseo del	Bajo			0.015	-		
Description		Status:	Executed				
avenues Alici in order to en	the construction of an a Moreau de Justo/Antá hance the north-south co regate heavy from light	© Completely Executed					
Funding requ	uirements	Source of funding					
Secured		Public & Multilateral/	EXIM /Develo	elopment banks			
Key metrics:	Construction of the lan	е					
Target value	Current value	Stakeholders' likelih	ood assessme	ent			
Finished							
Barriers' rela	tive strength						
Economi	Technical	Financial	Political a cultural		Legal and institutional		
	Х						

Sector:	Transport								
Subsector:	Passenger								
Title					Reductio	ns 20	30 MtCO2e		
Non-moto	rized mobili	ty — Deve	elopment of bicy	cle paths	Unconditi		Additional		
Description			0.003 Status:	er construction velopment					
Consists on the creation of specific bike lanes in the metropolitan areas and promoting the adoption of bicycles.						On track			
Funding requ	ıirements		Source of funding						
Secured			Public						
Key metrics:	km of construc	cted lanes.							
Target value	Current	value	Stakeholders' likelih	ood assessme	ent				
N/A	N	/A		TBD					
Barriers' rela	tive strength								
Economic	: Tec	hnical	Financial Political and Legal and Legal and institution						
				х					

3. AFOLU

Sector:	AFOL	U					
Subsector:	Silvicu	ılture					
Title					Reductio	ns 2030	MtCO2e
Afforestat	ion		Unconditional			itional	Additional
Anorestat	.1011				-		18.07
Description					Status:		ler construction/ elopment
Increase the between 2018			n 1.38 million to 2 million hectares One Needs more efforts				
Funding requ	uireme	nts	Source of funding				
Secured			Public				
Undisclosed			Private & Multilateral,	Developm	ent and/o	r Exim b	oanks
Key metrics:	c) di	region through the	nted area (ha/year) by e provincial forest inve f forested area of 51,32	ntories		iated by	y forest
Target value		Current value	Stakeholders' likelih	ood assess	ment		
2 million hectares		1.38 million hectares		Likely			
Barriers' rela	tive st	ength					
Economic		Technical	Financial Political and Legal and cultural institutional				
Х			Х	х			X

Why does it need more efforts?

This measure needs more efforts regarding incentives in order to make investments in the long term. Particularly, carbon capture incentives for an extensive deployment.

Moreover, infrastructure and supply chain requirements are essential to promote the entire forestry productive sector.

Sector:	AFOL	U						
Subsector:	Silvicu	ulture						
Title					Reduction	ns 2030	MtCO2e	
Growth ra	te inc	rease (genetic	intervention) - Sp	pecies	Uncondit	Additional		
and regio	ns				-		-	
Description					Status:	dev Plar on s	ler construction/ elopment / nned (depending pecies and ons)	
Incorporating genetic material to impact on growth rates in the forestry sector.					Needs more efforts			
Funding requ		n action by this Projec nts	Source of funding					
Undisclosed			Private					
Key metrics:		a) Intervened growt	h rate / Natural growt	h rate (with	out genetic	c interv	ention)	
Target value	;	Current value	Stakeholders' likelih	ood assess	ment			
N/A		N/A		Likely				
Barriers' rela	itive sti	rength						
Economi	С	Technical	Financial	Politica cultu			egal and stitutional	
		×	х					

Need to deploy new genetic material in order to obtain results in the medium term according to a progressive adoption.

Sector:	AFOLU	J							
Subsector:	Agricu	lture							
Title					Reductio	ns 2030	MtCO2e		
Crop rotat	ion			Unconditional		Additional			
Crop rotat		-		4.27					
Description					Status:	Plar	nned		
	Consists on reaching by 2030 a proportion of 48% of the area cultivated with cereals and 52% with oilseeds.					O Needs more efforts			
Funding requ	ıiremeı	nts	Source of funding						
Undisclosed			Private						
Key metrics:	a)	Area cultivated wit	h cereals and oilseed	s (ha/year)					
Target value		Current value	Stakeholders' likelih	ood assess	ment				
48% cerea	ls	28% cereals		Likely					
52% oilsee	ds			Lincty					
Barriers' rela	tive str	ength							
Economic		Technical	Financial				egal and stitutional		
×		Х		x x					

Improve the available infrastructure for freight transport in order to make feasible the access of key traded commodities produced locally to international markets

Withholding tax framework that promotes a balanced crop rotation.

Sector:	AFOL	J						
Subsector:	Agricu	ılture						
Title					Reductions	2030	MtCO2e	
Soil carbo	n con	tent (biochar)			Uncondition	Additional		
Soit carbo	II COII	terit (biocriai)			TBD		TBD	
Description Status: Planned								
Enhanced soil properties and therefore increasing yields.								
Proposed mi	tigatior	action by this Proje	ct.		O Needs more efforts			
Funding requ	uireme	nts	Source of funding					
Undisclosed			Private					
Key metrics:	a)	Biochar applied /	ha					
Target value		Current value	Stakeholders' likeliho	ood assess	ment			
N/A		N/A		Likely				
Barriers' rela	tive str	ength						
Economic		Technical	Financial Political and Legal and cultural institutional					
x		X	х					

Availability of biomass for biochar production (competition with other uses of biomass).

Logistic constrains: Trade-off distance from raw material (biomass) vs distance to plantations where to be applied.

Technological challenges for the development, construction and operation of biochar plants in Argentina.

Lack of long-term financing alternatives for biochar plant (capital intensive).

Sector:	AFOL	U						
Subsector:	Agricu	ulture						
Title					Reduction	1s 203	0 MtCO2e ²	
PGPR tech	nnolo	gies (growth pr	omoters and nitro	ogen	Uncondit	Additional		
free fixers	;)				TBE	TBD		
Description						dev	der construction/ relopment ipient)	
consist on the nitrogen in vaction generation	uded in Argentina's notion of the use of and maize crops ar impact on GHG thetic fertilizers, incr	nospheric ures. This	O Needs more efforts					
Funding requ	uireme	nts	Source of funding					
Undisclosed			Private					
Key metrics:			ms where the measure ms where the measure	•		control	group)	
Target value		Current value	Stakeholders' likelih	ood assess	ment			
N/A		N/A		Likely				
Barriers' rela	tive st	ength						
Economic	0	Technical	Financial Political and Legal and cultural institutional					
X		X	х				Х	

Capacity building regarding the benefits of this practice and uniformity of criteria among technicians with regard to these technologies. More credibility and visibility of results is needed.

The short shelf life of these products, is an obstacle to storage. The industry is aware of this and is developing long-life products so that they can be pre-applied by producers or seed companies and their distributors.

Creation of an official quality control body for these products, in order to facilitate the distinction between high and low quality products by private producers.

Bacteria cannot be patented in Argentina, so it is difficult to invest in R&D on a technology that is very easily copied. Design incentives to encourage R&D (e.g. subsidies), taking into account the barriers to intellectual property.

² The emission reduction in 2020-2030 could reach 11.6 million tCO2eq

itle					Reduction	s 2030	MtCO2e ³		
Iroa vola	tilizati	ion inhibitors			Unconditi	onal	Additional		
n c a vola	uuzau				TBD		TBD		
escription					Status: Under constru development (incipient)				
onsist on t	he pron reduce	notion of the use o	s 3rd National Common the urease inhibiton of urea applied on the s	r polymer	O Needs n	nore e	fforts		
unding req	uiremei	nts	Source of funding						
Undisclosed Private									
a) N2O emissions on farms where the measure is implemented;b) N2O emissions on farms where the measure is not implemented (control group)						control			
arget value	;	Current value	Stakeholders' likelih	nood assess	ment				
N/A		N/A		Very likel	ly				
Barriers' rela	ative str	ength							
Economi	С	Technical	Financial		Political and cultural		9		egal and stitutional
X		X	x						
^			1	ı					

Tax incentives that encourage the use of these technologies.

Sector: AFOLU

³ The emission reduction in 2020-2030 could reach 5.1 million tCO2eq

Sector:	AFOLU	AFOLU					
Subsector:	Bioene	ergy					
Title					Reduction	ns 203	o MtCO2e
Use of hio	mass	for energy gen	neration		Uncondit	tional	Additional
	111033	——————————————————————————————————————	iciation		3.4		
Description					Status:		der construction, elopment
contribute to emissions. Elivestock and The measur Biomass Proin two phase (2022-2030): includes the component :	o diversi Biomass d fruits. Te come gramme s: First (2 installe ree co 3: therm	fication of the energy will be obtained es from the Prome (PROBIOMASA, in 2018-2021): 400 MW ed power of 2,650 mponents, and the second of the energy will be a second of the energy willi	ergy generation from bigy matrix and reduction from: forestry, sugar, otion of Energy Deriv Spanish) which is imply installed power in 202: MW in 2030. PROFinis measure addression, specifically, referring power stations	ved from lemented 1; Second BIOMASA ses only	○ Needs ı	more e	efforts
Funding req	uiremer	nts	Source of funding				
Secured			Private				
Undisclosed			Private				
Key metrics:			al MW from biomass resources by type and t	final destina	ation.		
Target value	,	Current value	Stakeholders' likelih	ood assess	ment		
4,3 Mt of bio replacing 1,3 of diese	3 m3	N/A	Likely				
Barriers' rela	itive str	ength					
	C	Technical	Financial		ll and		
Economi	J	recriment	Tinanciat	cultu	ıral	ın	stitutional

Capital intensive infrastructure that require local and international financing (total investment amount to install 400 MW will be approximately USD 1 billion).

Capacity building in biomass power generation.

Sector:	AFOL	J							
Subsector:	Livestock								
Title					Reduction	1s 203	0 MtCO2e		
Poduction		Unconditional		Additional					
Reduction		mission Intensi	ty		-		-		
Description	scription Status'				Under construction/ development				
Reduced em	nission	by increasing the	national herd extrac	tion rate					
(slaughter weight and weaning rate).					Needs more efforts				
		action by this Proje	ct.						
Funding requ	Funding requirements Source of funding			ng					
Undisclosed			Private						
		a) Emission intensity: tons of CO2eq/t Res with bone.							
Key metrics:	(b)	b) Beef production: ratio of calves produced to total cows (T/Vc), as a driver of							
		· ·	te in producers; and the average slaughter weight (AW) as traction rate of a producer.						
Target value		Current value	Stakeholders' likelih		ment				
N/A		N/A	Not very likely						
Barriers' rela	tive str	ength		<u> </u>	,				
Economic		Technical	Financial				egal and stitutional		
Х		Х		Х					

Grassland availability with growth potential.

Incorporation of inputs and process technologies,

Specific site analysis of each barrier for breeding and wintering is required in order to optimize production according to regional conditions.

Information on livestock activity.

Technical skills generation.

Livestock farming is a medium to long term business, requiring stable and certain national contexts.

Sector:	AFOLU								
Subsector:	Livestock								
Title Reductions 2030 MtCO2e									
Other Livestock and Intensive Bovine Systems Unconditional Additional Additional									
Description					Status:	Status: Under constru			
Estimation of the relative impact of the implementation of Biodigesters (or other techniques) on Manure Management in intensive livestock systems.					Needs more efforts				
		n action by this Proje							
Funding requ	uireme	nts	Source of funding						
Undisclosed			Private						
Key metrics:	a)	Biodigesters addi	tional installed capacit	У					
Target value		Current value	Stakeholders' likelihood assessment						
N/A		N/A	Unlikely						
Barriers' rela	itive sti	ength							
Economic	С	Technical	Financial Political and Legal and cultural institutiona						
×		Х	x						

Manure energy conversion is significantly lower than biomass and infrastructure requirements are not met by average facilities.

Regulatory framework adapted to the biodegesters implementation.

Long-term credit requirements do to capital intensive equipment.

Sector:	AFOLU						
Subsector:	Livestock						
Title			Reductions 2030 MtCO2e				
Rolling or	other mechanical w	ork to replace bu	rning	Unconditional		Additional	
grassland	and savannah			-		-	
Description	Description					er construction/ elopment	
Estimation of by rolling or Proposed mi	O Needs more efforts						
Funding req	uirements	Source of funding					
Undisclosed	Undisclosed Private						
Key metrics:	TBD						
Target value	Current value	Stakeholders' likelih	ood assess	ment			
N/A	N/A		Unlikely	,			
Barriers' rela	tive strength						
Economi	Technical	Financial	Political and Legal and cultural institutions				
x	×		x				
Why does it	need more efforts?		l	I			
Technical sl	xills generation.						
Deep cultur	al change.						

Sector: AFG	DLU								
Subsector: Live	estock								
Title				Reduction	ıs 2030	MtCO2e			
Silvopastoral	Systems			Unconditi	onal	Additional			
Sitvopastorat	Systems			-		-			
Description				Status:		er construction/ elopment			
Forestry and lives	Forestry and livestock integrated management system.								
Proposed mitigat		O Needs more efforts							
Funding requirer									
Undisclosed	Undisclosed Private								
	Key metrics: a) Ratio of calves to forested area (T/ha).								
Target value	Current value	Stakeholders' likelihood assessment							
N/A	N/A		Likely						
Barriers' relative	strength		D 1111						
Economic	Technical	Financial	Political cultur			egal and titutional			
×	×	Х	x x						
Why does it nee	ed more efforts?								
Development of machinery, tools and technical materials.									
More profession	al human resources	who can manage the	e system.						
Sources of long	Sources of long-term credit.								

Deep cultural change.