Environmo	nt and clir	mata assassmo	nt of Poland's CAP S	tratogic Plan (Instit	uto for Europa	an Environmenta	I Policy 2022)							
			s GHG emission	trategic Plan (instit	ute for Europe	an Environmenta	Policy, 2022)							
			3% of total EU budge											
			ng on knowledge and			al . 2 amuinamma	-+-   - :+	Unto d						
		t National Stra	<del> </del>				ilt-based approach							
	IVIS SUDITII	t National Stra	tegic Plans ->											
							local conditions a	and needs						
Daliah Charl	+!- N		h			mpact in terms o	T Sustainability	and a officional and distance of the contained by						
POIISII Strai	tegic Pian	-> insufficient	to respond:	largest share -> ba				not sufficiently conditioned to sustainable						
				significant funding		•		practices						
				1.5 bil+ EUR trans			0	and the deat	=> lack of p	riority				
							& environment + s			0.71				
		interesting in	terventions and imp					envi-climate commitment promoting perennial	lower strips (I	8.7)				
	,			small budget + ill-	defined implem	ientation parame	ters							
Two sets of														
	1	Potential ame	ndments in the curr											
			- address gaps in ir					oration, climate adaptation, biodiversity						
			- strengthen GAEC				ntation until 2025							
				act of 2023 derogat				+ no more derogations						
				ne on carbon farmi	-				-> make the					mers
				ater retention on p					proportional t					
					nd restoration	(conversion of ar	able land even on t	floded areas), wetland buffer areas restoration a	nd creation, pe	atland rew	etting, tra	nsition tow	ards paludi	culture +
			biodiversity on aral											
		- adjust the area targeted by envi-climate commitments in Natura 200						isedAction Framework needs						
		- strengthen interventions for biodiv. in arable + lands												
		- step up support for organic farming												
			- improve targeting	g of some intervent	ions to address	specific regional	issues (drought, so	oil erosion)						
			- include innovativ	e interventions: res	ult-based payn	nents, collective a	approaches for nat	ural resources, biodiv. preservation, training & ac	vice					
			- increase budget f	or eco-schemes, er	vi-climate com	mitments, envi-c	limate investments	s, cross-cutting measures + decrease in basic inco	me support, c	oupled pay	nents			
			- fund studies, rese	earch to evaluate th	ne impact of Str	ategic Plan								
	2	Recommenda	tions for the next CA	AP and related police	cies:									
								ventions and productive investments in the next	EU regulation	-> ensure n	nin. share	of budget		
			- biodivclimate pr	roof CAP Strategic F	Plan + additiona	l safeguards whe	re needed (e.g. on	afforestation)						
			- improve transpar	ency (incl. publishi	ng complete ve	rsion of CAP Stra	tegic Plan, output t	targets, budget for all interventions)						
			- accompany chang	ges in production sy	stems by chan	ge in other parts	of the food system	ns (developing food systems strategy)						
Introduction	on													
	EU food sy	ystem =>	- 30% of EU GHG e	missions										
			- main pressure on	biodiversity: pestion	ide use, landso	ape simplificatio	n, habitat destructi	ion						
			- physical, chemica	I, biological degrad	ation of soil									
			- decrease in water	r quality and availa	bility									
	EC -> EU G	Green Deal	- Farm to Fork Stra			-> fair, helathy,	environmentally fi	riendly food systems						
			- Biodiversity Strat	~,	1		div. on path of reco							
			,	agricultural target	s included:	.,		use and risk of chemical pesticides						
				5				and under organic farming						
								and under high-diversity landscape features						
						50% reduction of	<u> </u>			by 2030				
						min. 20% reduction								
		<del> </del>		1	<del> </del>			e 55% GHG emission reduction target	+			<b> </b>		
		<del> </del>					contribution to cli				by 2050			
				-> CAP has crucial	role through o	uhsidies	CONTRIBUTION TO CIT	inace neutrality			Jy 2030			
	CAP ->	croated 60 va	ars ago = main polic		Tote till ough S	upsidies	historically	- increasing productivity + competitiveness	-					
	CAP ->		ars ago = main polic )% of total EU budge				mstorically:		ore reasonab	o prices fo	concurs	rc		
		accounting 30	770 OI LOLAI EU DUOGE 	:ι	1			- ensuring food production, fair income for farm		•				limata
	de la deservación de la constantina de						-> supported intensification of agriculture -> indirectly contributed to negative impact on environment and climate					imate		
							XX century: - environmental and climat aspects gradually included  2018: - EC > pow structure for CAB > started powrating in MS in 2022							
	20					2018:	2018: - EC -> new structure for CAP -> started operating in MS in 2023							
								- 10 specific objectives -> 3 related to environment and climate: D: climate action						

												E: protect	ion of natu	ral resources
												F: conserv	ation of bi	odiversity
							- new structure:		a. shift to pe	erformance	and result	t-based app	roach	
									b. more flex	ibility to M	S to consid	der local ne	eds and co	nditions
									c. increase E					
Poland:	9% of total EL	J agricultural area			1.4 mil. farms (1	3.7% of EU farms i	n 2016), 92% benefit from CAP supp	port						
		population works in	n agric											
		5 mil. farms are sma	_	ia										
	5570 001 01 11	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1												
	5.3% of total	EU crop production	value produced				most important production sectors	in 2019:		cereals, m	ilk nigs n	oultry		
		EU animal production	•				most important production sectors	3 111 2013.		ccrcais, ii	lik, pigs, p	outil y		
		Plan of Poland appr		9 2021										
		egic Plan's priorities				ti2								
POIISII SU	rategic Plan prid	rities:	- sustainable deve											
			- improvment of li											
						climate friendly, p	rotect water, soil, air, biodiv.							
			- production & use											
			- development of											
			- remove barriers				-> guarantee a min		enefitting pub	lic goods			= ring-fen	cing
						(accessibility to dis	abled, equal opportunities for wom	en and men)						
CAP budg	get in Poland:	25 bil. EUR	= 22 bil. from EU +	3 bil. national										
			Pillar I (EAGF)		-> income supp		+ envi. aspects integrated since 20	14 by greening	g/eco-scheme	es				
		30%	Pillar II (EAFRD)		-> rural develop	ment + climate &	envi. aspects							
EU CAP R	egulation ringf	encing = guarantee	a min. budget for in	terventions ber	efiting public go	ods	-> min. 25% of bud	get to direct p	ayments unde	er eco-sche	mes			
							(Water Framework	+ Natura 2000	) areas of na	tural const	raints (50%	6 of		
							payments), animal		• •	turur comst	units (507	0 01		
Poland:	25% direct na	yment budget (4.3 l	hil ELID)	-> eco-scheme	26	> 22% on improv	ring animal welfare	Wellare commi	littletits					
rolatiu.	23% unect pa	yment buuget (4.5 i	Jii. LUK)	-> eco-scriente			ng climate& envi. objectives							
	42 40/ of Dillo	r II (2 bil. EUR)	Samui alimanta a	vaania animaal	alfava abiaati		-> 33% to investments							
	43.4% OI PIIIa	r II (2 DII. EUR)	-> envi., climate, c	rganic, animai	Wellare objective	25	-> 22% to climate, envi., other ma							
							, ,	nagement con	imitments					
							-> 20% to ANC payments							
	32.8% of tota	I CAP budget (8.2 bi	I. EUR)	-> basic incom			previous CAP (from 39.9% to 47.4%	6 in new period	1)					
						m 14.4% to 15%) (2	*							
		I CAP budget (5.1 bi		-> green object		= Pillar I eco-sche	mes on envi.& climate + 15% of sec	toral fruit & ve	getables inte	rventions +	Pillar II en	vi.& climate	e interv.	
		CAP budget (16 bil. E	, '	-> economic o	bjectives									
Overview	v of Polish eco-	,	can be combined of											
			. melliferous plant a			payment/ha	39 mil. budget, 0.23% of direct pay		-	0 ha annua	lly (0.21%	of utilised a	gric. area)	
		ES 4.2	. carbon farming an	d nutrient man	agement		farmers can choose between them	, bringing a nr.	of points					
													dget, 16%	
												payment b	oudget, tar	gets 10 mil.
				extensive use	of PG by livestoc	k (0.3-2 LSU/ha), m	aintenance of PG	5 pt.				ha annual	ly, 69.3% o	f UAA
				intercropping	or winter crop be	tween and ban on	PPP	5 pt.	obtain at lea	ast the max	. point as			
				fertilisation pla	an based on soil a	analysis, liming wh	ere soil pH is too low	1-3 pt.	if they appli	ed the high	est	mandator	y for farms	over 100 ha
						crops that impact s		3 pt.	scoring opti					
				-			hours of application	2 pt.	land					
+		1				rs directly into the		3 pt.	1					
+					and strip-till cul			4 pt.	1					
	+	1			of straws in soil			2 pt.	1					
				incorporation	or straws iii suii			_ μι.	40.5 mil. bu	dget 0.239	6 of direct	navments t	targets 20	800 ha
		ES 4.3	integrated plant p	roduction		payment/ha (and	maintenance of permanent grasslar	nds)	annually, 0.2	-		payments,	cui ge to 29 i	555 110
		FS 4 4	. biological crop pro	tection		payment/ha	chemical acceptable as last resort		2.2 mil. bud 0.03% of UA	-	of direct p	ayments, ta	argets 5000	) ha annually,
+		13 4.4.		cccion		payment/na	chemical acceptable as last resolt		3.03/0 OI OF		12 days of	temporary	flooding	n areas
		EC 4 E	. water retention or	n PG		navment/ha of BC	made available for water retention	nurnoso				y envi.& clir	-	
-			. animal welfare	110		payment/LU	induc available for water retention	i pui pose		an eauy St	pported b	y crivi.cx Cili	mate	
	1	ES 4.6.	aillilai wellare			payment/LU			1	1		1		1

ntribution 4	to climate change mit	igation and adapte	tion										
	G emission reduction	igation and adapta	<u>tion</u>										
1 66		n Poland and resulti											
		annual GHG emission	-	22.7 !! T.CO!		00/ - f + - + - l + -	national emissions (below EU average 13%)						
		annuai GHG emissio		32.7 mil. T CO2			national emissions (below EU average 13%)						
			from agriculture:	0.35% of Polar	id's CO2 emission	ns	2/3 from soil, directly related to amount of N intro	aducad in sail	/minoral f	ortilizoro	natural fort	ilizare from	grazing
				00 40/ -f D-l	-II- N2O		1 ' '	oduced iii soii	(IIIIIIerari	er tilizers,	ilaturai lert	1112613 11 011	ı grazing
				80.1% of Polar	id's N2O emissio	ns	animals, plant residues)						
				20.70/ (			12.7% from manure management		1000				
				30.7% of Polar	ıd's CH4 emissior	ns I		decreased sir	ice 1990 a	ue to lives	stock deciine	2	
							2.6% from manure management						
					ons increased bet	ween 2013-2018							
		Poland's National E	nergy and Climate P	lan (NECP):			ease of emissions from agric. by 2040, increased en						
						=> objective: mai	ntain low emissions by reducing use of fertilizers, in	mproving man	iure & slur	ry manage	ement		
	Planned interv												
					-schemes + secto		or fruit & vegetable + 2 investment aids						
		ES 4.2. carbon farm	ing and nutrient ma	inagement ->		improvments in fe	rtiliser management						
							soil analysis on arable and PG -> fertilisation plan -				tems		
							soil acidity analysis -> supported liming treatment						
					+	optimizing fertilize	er consumption -> reducing fertilizer consumption -	-> reducing GI	HG emissio	ons			
						>100 ha farms alre	eady required to have fertilization plan						
		-		·	+	eco-scheme requi	rement of additional soil testing	-> benefit fo	r small farı	ms			
							bonus on actual fertilizer reduction could improve	effectiveness	of measu	re			
					+	incorporation with	nin 12 hours -> better use of available nutrients	s + reducing e	missions, l	out needs	expensive n	nachinery	
					-		should be supported by investment aids						
					-	farmers can choos	se easier-to-implemet practices instead, with no im	pact on GHG	emissions				
					-	not encouraging fa	armers to adopt practices beyond minimum levels	ĺ					
							cking rate on PG (max. 2 LSU/ha)						
							ectiveness + review after 1 year of implementation						
							IR, 6.1% of direct payment budget, targeting 32.8%						
					-		use of natural liquid fertilizers by methods other t		targets 40	000 ha. 0.	28% of UAA		
		ES 4.5. water retent	tion on PG ->		+	water retention su	ipport -> reduce decomposition		0	, .			
							ing required -> no guarantee of ceasing GHG emiss	sion					
							n potential by limitation to only PG under other co						
							nil. EUR, 0.56% of Pillar I, small payment/ha, small		· 315 000 F	na 22% n	fΙΙΔΔ		
							achineries for low-emission fertilizer application, eq					ification s	estams for
				17 F for the 0	o a o to bloo	livestock buildings		quipinent for s	storing nat	urai ici tili	zers, an par	incation sy	3(0)13 (0)
		sectoral intervention	ns:	I 7.5. fruits & v	egetables	ivestock ballalligs		F0/ :	4				
						> mah f	independent expert opinion submit required for 1					ificati	ustama fau
		invoctment aid.		I 10.4.			achineries for low-emission fertilizer application, eq	quipment for s	storing nat	urai tertili	zers, air pur	ilication sy	sterns for
		investment aid:		1 10.4.		livestock buildings	budget: 217 mil. EUR, 2.9% of Pillar II, 1.12% of far	rme will ree-	10 CUR = = -t				
						> improntment - !	, ,						***********
				1403			new equipment for the production of energy from	agric. biogas,	solar enei	gy, neat p	oump systen	is, energy	storage &
				I 10.2.		management	. t						
							-> improving energy efficiency of buildings	> 40.00000	a do al!!-	of ogtal.	n consult to	la /a + - 24	) hoods
				alas aut - 24		formalian In alternia	months up to 30 hoods)	-> to counter	U	or cattle i	n small nero	is (up to 20	neaus,
		coupled income sup	pport for cattle (fem				months up to 20 heads)	84.3% of farn	115)				
					tribute to emissi		and the difference and death and the first						
						•	ecialised for crop production -> envi. benefit of clos	sea N cycles					
	=>	focus on	-			fertilisation & man	<u> </u>						
			- reducing CO2 em	issions through	renewable ener	rgy prod., energy e	tticiency				-		
2 <u>Car</u>	rbon storage												
		Poland and resulti	-										
		Ministry of Climate	and Environment:		LULUCF sector =	net carbon sink in		opensation of	3.8% of to	otal GHG	emissions of	Poland	
						-15 MtCO2e (72.6	5% of LULUCF) by forests				1		1
						·	. ,						
						-0.9 MtCO2e (4.4	% of LULUCF) by cropland % of LULUCF) by grassland						

			1000 2001	I							
		LULUCF carbon removals:	1988 - 2004 2003 - 2005	increasing		- f					
				decreasing by 20.8%	_	n forest					
			2012 - 2014	1	growth						
			2017 - 2019	decreasing by 25%		(240()					
		grasslands share in Polish UAA:	21-22%		below EU ave	rage (31%)					
possibilities to inci	ease carbon removal in agricultura	l land:	support for ag	· · · · · · · · · · · · · · · · · · ·							
				of trees in UAA							
				arable fields int grassl	and						
			creation of we	etland buffer zones							
			carbon farmir	ng practices in arable la	and						
			permanent cr	ops (intermediary, inte	erim crops, soi	l cover)					
						+ other G	HG = 30.3 M	tCO2e globa	al warming		
emission from pea	tlands drained for agric. purpose n	ot included	23.5 mil. T CO	2 emission from drain	ed peatland	emissions	potential	annually			
		peatlands cover 9.6% of Polish soil	S								
		1 110 500 ha in ag	ric. use	need to be rewetted	•	=> Poland = largest EU	peatland emitter				
		-> Polish LULUCF would be a net G	GHG emission s	ource (15 MtCO2e)							
				d save up to 41% of ag	ric. GHG emiss	sions					
			-	with conventional agi							
		, .		nd needs paradigm shi		culture	Polish Wetland Strat	egy			
Planned interventions:				,	G F=:=u			3,			
GAEC 8	derogation for 2023 + excemption	ns for small and organic farms		=> small area of nor	-productive fe	eatures, like					
5.1200	weighting factors >1 for most typ			in the case of the gre	•	· ·					
	limited list of landscape features			CAP	en payment ii	ii previous					
investment aids:		station support	small hudget	negligible area							
investment aids.	I 10.12. trees i	''	targeted	negligible alea	man finance t	he compliance with GA	FC 0				
		prestry systems	targeteu		may imance t	ne compliance with GA	EC 8				
				247 !! 51100 2.00/	-f Dill II level	4 420/ -f f	l				
		climate protection investments				lget, 1.12% of farms wil					
envi. & climate co	nmitments:	I 8.8. maintenance and manageme			prorestry on ag	gric. iand	low budget				
		I 8.4. maintenance and manageme	ent of tradition	ai orcnards							
	investments = 0.42% of Pillar II bud										
	rther tree use (benefits may be rev										
GAEC 1, GAEC 9	-> maintenanceof permanent gra										
		G allows ploughing, tilling, reseedin		-> reduction of pote			- L-li L  \ /i F	A la . lal d	- 20/		
	-	limiting grassland conversion before	e the treshold	or 5% or total existing	area (on natio	nai level, not regional/n	iolding level) (in Franc	ce tresnoid	is 2% on		
	regional level)				1			1			
		ticides, fertiliser use, drainage						<u> </u>	. (= . =) 6		
		etween area of environmentally-ser	isitive PG prote	ected under GAEC 9 (2	69 000 ha) and	habitat area declared	under Prioritised Acti	on Framew	ork (PAF) for		
	Natura 2000 (				T			1			
eco-schemes:	I 4.2. carbon farming and nutrien		l	1							
		extensive PG management bans pl		ows high stocking rate	es (2 LSU/ha)						
		efficiency depends on farmers' cho		1	L						
		crop diversification criteria: sets m	ax. for use of c	ereals, rapeseed, crop	s bad for SOM	, min. for crops good fo	r SOM, but crops not	specified			
		ation will be assessed after 1 year									
	<u> </u>	budget for 6 practices (11.3% of dire			t						
	I 4.5. water retention on PG	limited to PG with	other commit	ments							
		required to be we	t only 12 days	then can be drained							
envi.& climate con	nmitments aiming nature conserva	tion:									
		·	result-based of	component included,		O budget, 3.1% of Pillar		ia targeted,			
	I 8.1. species and habitats protect	tion in Natura 2000 areas	but not descri	bed		low payment		A, 11.4% of			
						O budget, 4% of Pillar II		a targeted,	2.4% of		
	I 8.2. species and habitats protect	tion outside Natura 2000 areas			budget, but lo	ow payment	UAA, 11%	of PG			
					17.7 mil. EUR	O budget, 0.23% of				·	
	I 8.3. extensive meadows and pas	stures in Natura 2000 areas			Pillar II budge	et	31 358 ha	targeted, C	0.2% of UAA		
	if mowing is in	npossible due to high water level ->	previous years	' support needs to be	returned						
	=> encourage	s drainig the lands									
	1		1	1	1	1					

	I 8.11. organic farming	includos additio	nal premium if sto	ocking rate 0 E 1	E I SI I /ha	OOE mil EI	PO budget	11 00/ of D	Pillar II budget		
						ly 3.5% under organic far		., 11.9% UI P	illai ii buuget		
	GAEC 2 implemented from 2025	Je to reactivation	to rork target or 4	JA UAA taiget		iy 3.3% under Organic iai	iiiiig)		-		
	rules not yet defined	may be internre	tod only as ban or	nloughing orga	unic sails sayarad by D	G, but not prohibit contin	uation f dr	ainago	-		
	no intervention on support for peatland rewetting, p.	<u> </u>	teu only as ban or	-> counter to		3, but not prombit contin	uation i ui	amage			
			•			neme + I 8.11. organic far	ming	> impact	t on carbon st	orago uncloar	
	target: 38% of Poland's UAA under decla GAEC 7 derogation for 2023 + excemptio					lenie + 1 6.11. Organic ian	IIIIIg	-> iiiipaci	l on carbon su	orage unclear	
	mandatory on 40% of land	ns for small and o	organic ranns, rann	115 WILII >/5% PC	/legummous+ranow						
3 Climate adaptation	Illandatory on 40% or land										
	ay in Poland and resulting needs:										
State of pla	Ministry of Environment of Poland:		warmer, summer								
	Ministry of Environment of Poland:					- offeete earl					
	EC:			weatner events:	heavy rains + drought	affects agri	culture				
		increasing soil e									
					sunflower, vines, whea	t					
			mmer heat waves	i							
		urence of pests, o			L						
		ress in animals, in	npact on livestock								
	increased frequecy, intensity of droughts =>		impact onproduc					1			
				ition -> pressure	on water sources, rec	lucing the suitability of ra	inted crop	production			
	excess precipitation events =>	crop damage, so									
	past mistakes in water management =>	vulnerability of a	agroecosystems to	extreme weath	ner conditions increase	ed					
	- drainage of most peatlands										
	- extensive drainage systems wit	hout water retent	tion possibilities								
	- excessively deepened rivers										
	- continuous "river maintenance	" works -> increas	ing water flow								
	- wetland degradation										
	- general lack of nature-based so										
	Necessary adaptation to new climate and geographic	al conditions:		- relocating p							
				- adapting cul	tivated crop types: dro	ought-resilient, less water	intensive				
				- supporting p	ractices that reduce in	nfection risk by pathogen:	: crop-rota	ation			
				- cooling syste	ems in stables and she	lters					
				- improving fl	oodplain management						
				- adapting soi	l helath enhancing pra	ctices: promoting nature-	based solu	ıtions			
Planned int	terventions:										
	I 8.4. orchards of traditional varieties of fruit trees			-111 4	budget: 0.7 mil EUR :	= 0.01% of Pillar II, max. 4	97 ha/yeaı	< 0.01% UA	λA		
	I 8.5. traditional and rare crop species		might be more re	esilient to	limited to 5 ha/holdi	ng budget: 6.8	mil EUR =	0.09% of Pil	llar II, max. 68	33 ha/year = 0.	05% UAA
	I 8.6. traditional animal breeds		climate change		budget: 101.8 mil EU	R = 1.3% of Pillar II budge	t, max 35 2	252 LSU/yea	r = 23.8% of L	SU	
	-> low budget for support										
	limited targeted total area		impact likely negl	ligible							
	=> should be extended to support the	ne transition of m	ore farms								
	should target regions most sensit										
	should be provided support for d			e crops							
	GAEC 7 crop rotation/diversification	- ought resilient, i	Coo water interior	10000							
		n required only o	n 40% of agric. are	22							
			en payment criteri								
			eighting factors, ex								
	GAEC 2 ban on new ploughing, degradati				· · ·						
	1 4.2. carbon farming and nutrient management	Un by continuing	prougrinig & uralli	iage sun anower				1			
		forent crons: ===	ambitious on accel	2							
			ambitious enough	_	too boxoficial ar			+	<del>                                     </del>		
					otes beneficial crops						
		uon: wnich crops			re drought tolerant	and a label of the state of the	1	**1-			
	investment aids & sectoral interventions:					restock buildings other th				- le cel e e l	
	I 7.5. sectoral interventions for fruit and vegetables		improvement of v	water efficiency		ppinion needed to prove		provement		budget	
		. 0				0.56% of Pillar I, targeted	1			t sufficient to	
	I 4.5. water retention on PG - limited target	et area & need fo	r other commitme	ents	area: 315 000 ha/yea	r = 2.2% of UAA		1	manage floo	ds	

	> - no intervention for water-saving crops											
	- no limitations for areas dedicated for water-intensive									<b></b>		
	- weak requirements for practices beneficial for farm	resilience										
	- no support for wetland/peatland rewetting									<b></b>		
	- GAEC 2 delayed until 2025									-		
Contribution to the protection of												
1 Water quality and avai												
State of play	in Poland and resulting needs:											
	2015: 70% of surface water bodies in le		-									
	26% of surface water bodies not g		atus									
	8% of groundwater not in good ch	nemical status										
	96% of groundwater in good quar	ntitative status		fourth lowest	renewable freshwate	r resources/1000 habitants	s in EU (1.6	mil m3/yea	ır)			
		retention capaci										
	2018: withdrawal for agricultural irrigat	on (incl. aquacu	Iture) = 9% of overa	ıll water abstra	ction					ı		
	2010-2016: share of irrigated land increased I	y 191%										
	nutrient inputs + pesticide use =>	main pressure of	on inland water qua	lity								
		contributes to e	eutrophication of Ba	altic Sea								
	1995 - 2017: nitrogen surplus increased by 459	,	sabilizing at 45 kg/	ha/year (EU av	erage: 46.5 kgN/ha/y	ear						
	Ministry of Agric. and Rural Devel.:	4-5% of ground	water contaminate	d by nitrates, lo	west share of monito	oring stations with poor qu	ality waters	in the EU				
	General Directorate for Environment Protection (202)	2):	excessive nitrate le	evels in 22% of	river water bodies (2	016-2021)						
					% of rivers (2016-202							
	1995-2006: phosphorus surplus increased the	n decreased										
	2016-2018: phosphorus balance: 2.2 kgP/ha/s		ge of 0.5 kgP/ha/ve	ar)								
			oncentrations above		ters (2013-2020)							
		increased (2011			,							
			re hazardous substa	nces increased	since 2012							-
	> - support needed to further reduce nitrogen, phosph		- Hazar adas sasse	linees mereasea	500 2012							
	- reduction of agricultural runoff needed	or as balances										
	- maintaining low pesticide use and water abstraction	for irrigation										
	- incorporation of legumes	i ioi iiiigatioii										
	- crop rotation											
	- improved fertilisation managem	ont										
	- soil management practices for v		anacity improveme	nt (hodges sei	Leaver reduced tille	10)						
	- water saving practices	vater retention t	apacity improveme	int (neages, soi	Cover, reduced tillag	(e)						
	01	ation of buffor -								$\vdash$		
61 1: 1	- maintenance + restoration + cre	ation of buffer 2	ones									
Planned inte										<b></b>		
	GAEC 4 3 m wide buffer strips		ct on nutrient leach	ing, runoff						-		-
	ban on fertilize									<b>—</b>		
		t on vegetation								$\vdash$		
			g less than 5 m wide		nes					$\vdash$		
	no additional r	equirements be	yond Nitrate Progra	ımmes								
									-	farming in 2		
						05 mil EUR = 11.9% of	_			to reach Fai	rm to Fork	
	I 8.11. organic farming additional pre	mium for stockin	ng rate < 1.5 LSU/ha		Pillar II, targeted are				nder organi			
			· ·		owed in some cases =	_		0.23% of P	illar I, targe	eted: 24 500	- 29 800	
	I 4.3. integrated plant production methods		it will lead to pesti	icide decrease		ha/year = 0.	.2% of UAA					
	I 4.4. biological crop protection ES											
	investment aids -> machinery/equipment to redu	ce pesticide and	fertiliser use + pror	mote mechanic	al and biological pest	management						
						budget: 803	3.7 mil EUR	= 4.6% of d	irect payme	ent budget, t	targeted:	
	I 4.2. carbon farming and nutrient management ES		-> fertilisation ma	nagement plan	based on soil analysi	s 3.6 mil ha =	25% of UA	Д				
	GAEC 7 crop rotation only on 40%											
		r introducing leg	gumes									
	I 4.2. ES improve water		only well supporte	d budget		corp diversification -> shit	ft towards I	ess water-i	ntensive cr	ops if well do	esigned	
	I 4.5. ES capacity by na		,		implementation	budget: 97 mil EUR = 0.56						
	I 8.8. climate commitment solutions => tr				details do not	budget: 32 mil EUR = 0.42				, , , ,		
	3010110113 => 11	ccs on agric.				200801. 32 1111 2011 - 0.42	.,. 01 1 11101	., targette	. 15 410			

	I 10.11. investment aid				guarantee nositive	ha = 0.07% of UAA					
	I 10.12. investment aid				effect	11a = 0.07/0 01 OAA					
	I 10.13. investment aid				Circui						
	I 10.4. investment aid for farmers			-> water stors	ge, water recycling	budget: 217 mil EUR = 2.99	% of Billar	II 0 91% of	farmore tare	rotod	
	17.5. investment aid for fruit and vegetable producer	organisation		installations	ge, water recycling	expert opinion needed on			iaiiiieis taig	geteu	
	17.5. Investment and for truit and vegetable producer	Organisation			omponent included,	mowing impossible due to		iciti by 570			incoherence: 364
	I 8.1. conservation of valuable species and habitats in	Natura 2000		but not detaile		water level -> payment ne returned -> encourages dr	eds to be			3.1% of Pillar II, in 2028 = 1.8% of UAA	000 ha assumed 559 593 ha
	I 8.2. protection of valuable species and habitats in N	atura 2000								4% of Pillar II, in 2028 = 2.4% of UAA	
		2000				=		budget: 17 targeted a	.7 mil EUR =	= 0.23% of Pillar II, ha in 2028 = 0.2% of	
	I 8.3. extensive use of PG in Natura 2000							UAA			
=>											
	- no limitations for areas dedicated for water-intensi	ve crops									
	- no support for wetland/peatland rewetting										
2 Soil quality											
State of play i	n Poland and resulting needs:										
	threats: loss of soil organic mater (SOM)		varies on soil			cropland: 31.6 t/ha, permar	nent crops	: 50.9 t/ha			
	loss of soil organic carbon (SOC)		types	low quality: 21	9g/kg mean SOC (El	J average: 43.1 g/kg SOC)					
	erosion 1.4% of agric.	soils affected (be	low EU average: 7	<b>'</b> %)							
	2010-2016	unchanged									
	2016	95% arable und	er conventional til	lage							
		45% uncovered	in winter								
	highest level o	of soil loss in Sout	hern mountain fri	nges							
	models:		e moderate-strong								
	contamination (pollution)		soils contain resid		nesticides						
	contamination (poliution)		none are free fro								
	over 70% of agric. area -> acidic soils + lo					ensitivity to drought and ero	sion				
	sustainable agric. practices standardisation beneficial				lge capacity + mgm se	- soil cover	31011				
	sustainable agric. practices standardisation beneficial	-> IIICI ease 30C,	30IVI, reducing er	USIUII.		- intercropping					
						- doversification away from		ps			
						- direct seeding, reduced					
						- maintenance + creation	of PG				
Planned interv											
	GAEC 5 requirements for slopes>14%		minimal								
	no crops with	ridges along slop	е					mandatory	for federal	states in	
	no bare fallow	during autumn -	+ winter					the new fu	nding perio	d =>	
	no requirements for slopes<14%	- however erosio	n can be a risk					erosion ris	k will be inc	reased	
								optional fo	r federal sta	ates -> if not	
	GAEC 6 soil cover for 3.5 months in winte	er (Nov.1 - Feb.15	) by plant cover/n	nulch/plant resid	ues			considered	l, erosion ris	k can be	
			ttle against erosio								
	only on 80% o										
	14.2. winter crops, intercrops, crop div		ced tillage		substantial budget:	870 mil EUR = 5% of direct p	pavment h	udget, targe	eting: 2.2 mi	l ha = 15% of UAA	
->	other benefits from interventions		specifically the m	nost vulnerable r			,	3 - 4, 8	J 2.2		
	1/13	tar Beting	, , , , , , , , , , , , , , , , , , , ,	- I I I I I I I I I I I I I I I I I I I	-0						
	tackling contamination										
	14.2.		1	+	1						
	tackling loss of SOC/SOM										
hudian ta tha costs store (1			1								
bution to the protection of b			1								
State of play i	n Poland and resulting needs:	L	L								
		s indicators for h	ealth of agric.								
	grassland butterfly populations ecosystems							1			

		2000-2017	: farmland bird inde	ex decreased by	20% (EU average	e trend: -17.5%)									
		2000-2022	: farmland bird inde	ex decreased by	22% in total										
		2000-2020	: wet meadow bree	ding wader dec	rease by 60%										
		no info/data collec	ction on grassland b	utterfly index/w	vild pollinators										
		EU nature directive	es reports:	20% of commu	unity interest hab	oitats	. 5.,	2012 2010							
				38% of commi	unity interest spe	cies	in FV status in	2013-2018							
				1	,							share of g	grasslands ii	n bad statu	s increased
			grasslands = 13%	of community in	nterest habitats		85% in unfavo	rable status	2013-2018	(EU verage:	77%)	bv 14% b	etween 200	7-2012. 20	13-2018
			peatlands = 7% of				80.2% in unfav	orable status		, , , ,		.,		, ,	
		agric. threats respo			on of land mange	ment									
		-8			nemicals input)										
						oss of landscape fe	atures)								
						systems (drainage									
		2011-2017	: pesticide sales inc		is of flydrological	Jystems (aramage	) 								
			: 3.5% of UAA unde		ng (ELL avorago: C	10/\									
					ig (EU average. s	1.170)									
		since 2014	organic area decre		. 4 10/)		-		1		-				
			fallow = 1.7% of U			4.05   (  2)	1		1		-		1		
			average hedge de		(mz (EU average:	1.05 km/km2)	1		1						
			permanent crops:												
			managed grasslan												
			linear woody elem			in Wielkopolska									
			nr. of linear wood		ne: 7.4%	region									
			solitary tree declir												
		needs:	- limit the intensif	fication of agric.	. practices										
			- develop organic	farming sector											
			- diversify landsca	pe: increase bio	odivrich landsca	pe features, decre	ase plot size								
			- promote mainte	nance, creation	, good managem	ent of PG									
			- extensive restor	ation of drained	d peatland	1 mil ha needs to	be restored								
			- development of	alternative farr	ning systems: pa	ludiculture									
		threat of abandon	ment:	over 600 000 l	na abandoned sir	nce 1980s:	least fertile so	ils							
								nted ownership (sm	all farms)						
							- , -	ural constraints (hig		ntain meadov	vs)				
						= often of high na		1			,				
			=> loss of biodiv.												
	Planned i	nterventions:	1 1000 01 0100111												
	i iaimeu i	I 8.11. organic farn	ninσ	<del> </del>	1	targets 4.5% of UA	ΔΔ		+						
		I 4.3. integrated pl	_	target reductiv	on of chemical	possibility of chen		budget: 40.5 mil El	IR = 0.23% of D	illar I targeto	d: 24 500	- 29 800 h	a = 0.2% of	ΙΙΔΔ	
<del>                                     </del>		I 4.4. biological pe	•	inputs	on or cheffical	some cases	ncais use III	Sauget. +U.3 IIII Et	51 0.23/0 UI P	mai i, taigett	27 300	25 000 H	u - 0.2/0 UI		
		I 4.4. biological pes		Imputs		large area but opt	ions nossibilit		hudget: 1.2 b	 oil EUR = 6.7%	of direct =	avment t	argoted: 4	7 mil ha = 3	2.4% of UAA
		1 4.2. Cal Duli Taliffi		zoro tillogo s "	miting harbinists		ions possibility		buuget. 1.2 t	JII LUK - 0.7%	or un ect p	ayınent, t	argeteu. 4.	11111 11a = 3	2.4/0 UI UAA
		I 4.1 monthife common	does not support			•	200   /				-				
		I 4.1. melliferous p	nants	small budget:	39.5 MII EUK = 0.	25% of Pillar II, 30	uuu na/year tar	geted = 0.2% of UA	4		-				in and
									1						incoherence: 364
									targeted: me	adows,		budget: 2	37 mil EUR	= 3.1% of F	Pillar II, 000 ha assumed -
		I 8.1 .	_						-	angered bird		reaching	>364 000 ha	a in 2028 =	1.8% of UAA 559 593 ha
			supporting extens	ive practices, ac	ddressing needs	ony some selected	d bird species		species		low				
			of specific habitat			are protected	a apecies	for species and	'		payment		01 mil EUR		
		I 8.2.		a .aic speci		_ c p. ototica		habitats protection	1		Pay				2.4% of UAA
T												budget: 1	.7.7 mil EUR	= 0.23% o	f Pillar II,
												targeted	area: 31 35	3 ha in 202	8 = 0.2% of
		I 8.3.						extensive manager	ment of meado	ws in Natura	4	UAA			
		4	scope of measure	s targeting prot	ection of breedin	g endangered bird	secies habitats	extended to nation							
			•					Action Framework							
						ling, reseeding is al									
		->	> reducing potentia			5, 5.5									
		GAEC 1	maintain PG ratio				1		1						
						1	1	1		1	1	1	1	1	

			allows destruction	of DC if compo	neated alcowber	•	=> not preventing loss of high nature value PG ou	ıtcida Natura	2000				
		I 4.2. extensive use			ng rate up to 2 L		-> not preventing loss of high flature value PG of	Itside Natura	2000				
		GAEC 8	landscape element	•	ing rate up to 2 L	SU/11a							
		GAEC 6			fallow/70/ nan n	unadiratira avana in	cl. catch-crops or N-fixing crops						
			limited list of lands				ci. catch-crops of N-fixing crops						
			reducing potential			u							
		18.7.	climate	penents for bit	July.		intervention on perennial flower strips	limited area	targeted				
		18.8.	commitments				intervention on perennal nower strips	illiliteu area	targeteu				
		I 10.12.	communents	support in field	d trees, flower	-> most of them							
		I 10.13.	investment aids	strips, biodiv.	gardens	small budgets							
		I 10.14.	ilivestillelit alus										
		110.14.	no support for mai	intenance/crea	tion of other land	Scano foaturos							
			low target set: 0.2		lion of other land	iscape reatures							
		-	estimate: maintain		cano alamante ar	2 E 2 26% of agric	: land -> far from 10% needed						
			derogation from G			1 2.5-3.26% OI agric	. land -> lar from 10% needed						
						المما يمعمونان	toto						
			not enough measu			wiid polilinator nabi	lats						
	+	<u>-</u>	no plan on reshape		<u>'</u>	onofito for his -11:	a publique un la placa pa hatava quality a starra di	ranaitus bal	ا بنامه اما	linatara !-	.:		
				iarioscape leve			s ambiguous: landscape heterogenity, not crop div lark plots" = foraging plots for Alauda arvensis, En				ıırus	like in Ger	many IIV
		Polich Sociaty for D	Protection of Birds		calandra, birds		riain piots – ioraging piots for Alduda arvensis, En	IIDEIIZA NOMU	nana, Embe	:11Zd		Sweden	many, UK,
	+		Protection of Birds:	ua fau maint	,	<u> </u>	a affastiva magazuna fan watanbinda wa dawa	I	I	1	-	sweden	
	+	-					o effective measures for waterbirds, waders				-		
	+	14.5.	ban on new draina	<u> </u>	continuation of	existing ones							
		14.5.	design shortcomin	-		P. D.							
		-	no support for acti										
		-	no result-based pa	•	unlike France, G								
		17.5.	no support for irrig										
		I 8.11. organic farm					targeted area: 4.5% of UAA						
		I 10.4.		budget: 217 m	III EUR = 2.9% OT		rmers will receive payments een area of environmentally-sensitive PG protecte	ddox CAE	0 (200 00	O bal and	habitat aras	do alovo d .	n dos
		GAEC 9	only includes valua	blo gracelande			Framework (PAF) for Natura 2000 (523 540 ha)	u under GAE	29 (209 00	o iia) aiiu	וומטונמנ מו פנ	i ueciai eu c	lidei
Cross-cutting and in	nnovativo moss		officialities value	inie grassiarius		Prioritiseu Action	Framework (PAF) for Natura 2000 (323 340 fla)						
	tting mesures	•	- support for co-o	noration									
1 Closs-cut	tting mesures		- knowledge excha		ation + advisory	convicos							
	- can provide	also harmful advice	-	lige + dissemin	ation + advisory	3ei vices							
			ः। nd knowledge disse।	minated -> imn	ossible to predic	t the offect							
	EIP	European Partners		Illillateu -> illip		EUR = 1.44% of Pil	ar II						
	LIF	Luiopean raitheis	inp for inflovation		-		e and natural resource protection investments						
	+					for these investme				-	+		
	+		invoctments in	nrovious CAR			or animal feed by insect rearing						
	+		investinents if	i previous CAP:		•	e growing in a closed water cycle				-		
	knowledge ov	change intervention	ns.	I 14 1 support		development of fa					1		
	Kilowieuge ex	Linarige IIILEI VEIILIOI	13.	I 14.1. support		acvelopinent of Id	budget: 1.8% of Pillar II				1		
	+				ment of advisor	/ staff	budget: 0.12% of Pillar II				-		
	+				ment of demons		Duaget. 0.12/0 01 Filial II			-	+		
	+						1.3% of annual working units in agric			-	+		
2 Innoveti	ve approaches	-	low target set in th	. or recipients:	ZO OOO DENENCIA	1105/ year III 2028 =	1.2% of annual working units in agric.			-	-		
Z IIIIOVATIV		erventions design:								-	-		
	iiiiovative int	1 4.2.	point based systen	o in which form	ore can chaces								
	+		ach in 2 intervention			habitate	-> more compensation for flooding than support	intentional f	looding				
	+				unlike in Nether		-> more compensation for flooding than support -> will reduce effectiveness of measures	intentional I	loouing				
	Now to short-		aches to jointly app	iiy	uriike in Nether	iarius, ireiand	-> will reduce effectiveness of measures			-	-		
	New technolo	0		> amulaiti		adusa CHC arrive	and reduce consists reduction to re-t						
		I 10.4. investment				educe GHG emission	ons, reduce specific reduction targets of 15%						
1	1	I 7.5. sectoral inter	verition	ipoliution, incl.	precision farmin	g LOUIS		1	1	l	1	1	
Conclusions													
Conclusions Polish CAP Strategic	n Diam.	in a refficient to	spond to climate & e		a da								

basic income support		-> not sufficiently	conditioned or	sustainable						
coupled support	-> largest share of budget	practices								
- total budget dedicated to envi.&clima	ate objectives = 20.5% of total	CAP budget								
64% supports econo	omic objectives									
1.5 bil EUR transfer	red from Pillar II to Pillar I									
cutting Pillar II budg	get by 30%									
many climate&envi	. measures but with small budg	get								
=> lack of priority given	n by government									
- GAEC with low ambition										
- interesting new interventions:	I 8.7. perennial flower strips									
	I 4.5. water retention on PG	weak requiremen	ts, low target ar	ea						
- mid-term review scheduled on 2026										
1 Recommendations for amending the Polish Plan:										
- address gaps in the intervention logic (needs vs. pro	poed interventions), especially	:								
	peatland restor									
	climate adaptat	ion (droughts)								
		pe features, fallow								
	maintaining PG ratio at regiona									
	prohibiting further degradatior			rainage and ploughir	ng	implemente	ed ASAP, w	thout derogation		
	creation of strips along all wate		loughing							
	define requirements for slopes									
	crop rotation on total farm are									
	10% landscape features, remov	ing weighting fact	ors, adjusting pr	otected landscape e	lement list					
- evaluate impact of derogations for GAEC 7,8 in 2023										
- review I 4.2. eco-scheme on carbon farming after 1 y										
- correct implementation details of I 4.5. water retent										
- include measures to support grassland restoration (i				uffer zones restorati	on and creation	n + rewettin	g peatlands	+ transition to palu	idiculture	
- adjust the area targeted by climate& envi. commitm										
- strengthen interventions supporting biodiv. on arab	le land: increase targeted area	of I 8.7. + landscap	e features							
- step up support for organic farming										
- improve targeting of some interventions to address	0 ,	0 /								
- include result-based measures, bonuses, collective a	• • • • • • • • • • • • • • • • • • • •		•							
- increase budgets for eco-schemes, envi.&climate co				corresponding decr	ease in basic i	income suppo	ort and cou	pled support		
- fund additional studies+research to evaluate the po	tential impact of CAP Strategic	Plan on envi. and o	limate							
2 Wider recommendations:										
- introduce envi.&climate ring-fencing for cross-cuttin	· · · · · · · · · · · · · · · · · · ·			share						
- biodiv.&climate proof the CAP Strategic Plan + inclu										
- improve transparency, publishing complete version							1			
- accompany changes in production systems by chang	ges in food system strategy incl	targets on meat +	dairy consump	tion, sustainability st	andards on im	nport -> limit	carbon leal	kage outside EU		