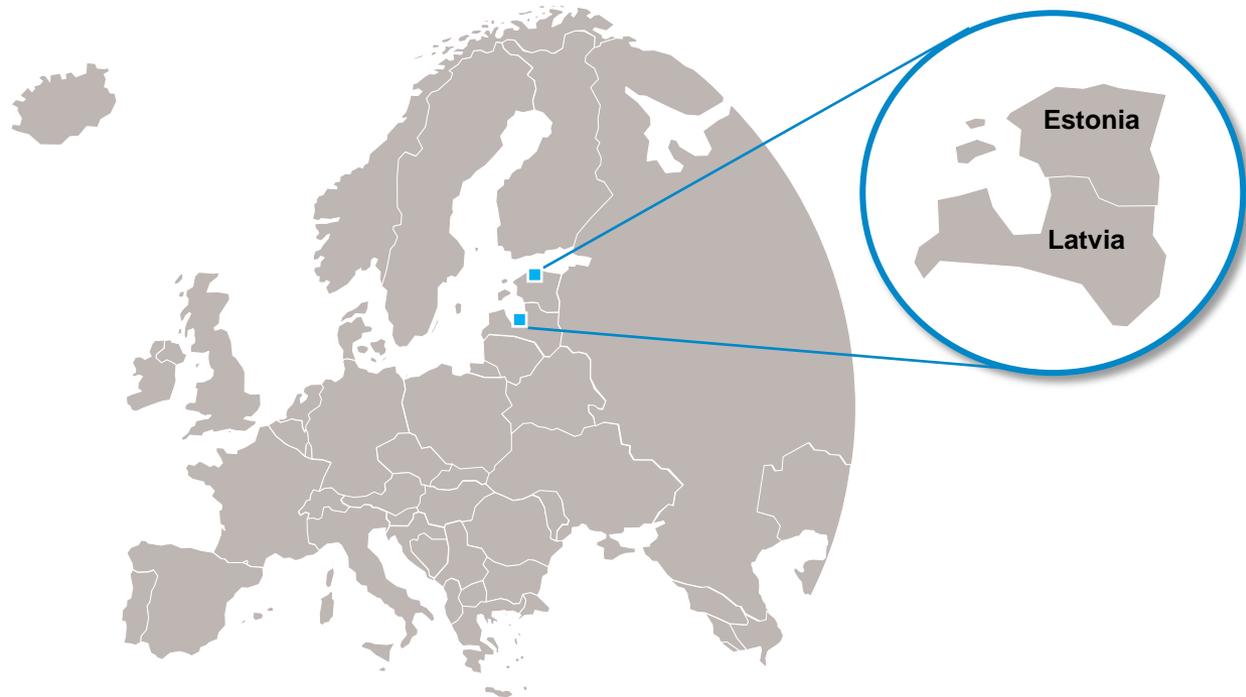


A SURVEY FOR SETTING BASELINE VALUES OF THE RESULT INDICATORS OF THE ESTONIA – LATVIA PROGRAMME 2014 – 2020

May, 2014



Content 1

▪ Methodology	4
▪ Indicator 1:	7
▪ Sample description	8
▪ Summary	9
▪ Current performance	11
▪ Considered performance	16
▪ Reasons for non-considering performance on neighbor countries' markets	21
▪ Indicator 2:	24
▪ Sample description	25
▪ Summary	26
▪ Cooperation on joint product or service development	28
▪ Length of cooperation on joint product or service development	31
▪ Reasons for non-cooperation_on joint product or service development	33
▪ Consideration of joint product or service development	35
▪ Joint production or service provision	37
▪ Cross-border joint production or service provision	38
▪ Length of joint product or service provision	40
▪ Actual and considered joint product or service development	42

▪ Indicator 3:	45
▪ Sample description	46
▪ Summary I. Energy saving	47
▪ Summary II. Waste sorting	48
▪ Summary III. Recycling	49
▪ Summary IV. Awareness and sources of information	50
▪ Energy saving: awareness and behavior.	51
▪ Energy saving: awareness in action	52
▪ Awareness about energy saving in details	53
▪ Energy efficient behavior in details	55
▪ Waste sorting	57
▪ Waste sorting: awareness in action	58
▪ Awareness about waste sorting in details	59
▪ Household waste sorting and waste groups	61
▪ Recycling: awareness and behavior	66
▪ Recycling: awareness in action	67
▪ Recycling and energy saving information sources	72
▪ Current level of awareness compared to past knowledge	77
▪ Indicator 4:	80
▪ Sample description	81
▪ Summary	83
▪ Cooperation between institutions	84
▪ Length of cooperation between institutions	85
▪ Ways of cooperation and main purposes	86
▪ Reasons for non-cooperation and consideration in future	87
▪ Cooperation intensity: actual vs. desired	88
▪ Appendix	89

Methodology

Methodology I



The Research Objective

- The **aim of the survey** is to set baseline values of result indicators of the Programme, which will be included in the Programme document to be submitted to the European Commission and against which the progress of the Programme will be monitored.



Fieldwork

- April 24th - May 15th, 2014 Indicator 1
- April 25th - May 15th, 2014 Indicator 2
- April 11th - May 21st, 2014 Indicator 3
- April 29th - May 8th, 2014 Indicator 4



Method

- Computer-Assisted Telephone Interviews (CATI)



Sampling

- Random sample, stratified by countries and counties and planning regions proportionally to the total number of entrepreneurs in accordance with local registers' data (sample source: Register of Enterprises for Latvia and Business register for Estonia) for indicators 1 and 2, representative stratified random sample for indicator 3 and target authorities for indicator 4.



Sample size

- 516 respondents, Indicator 1
- 512 respondents, Indicator 2
- 2 055 respondents, Indicator 3
- 22 respondents, Indicator 4

Methodology II



Target group

- **Indicator 1***: entrepreneurs, who have been registered less than three years ago, representing both countries and counties or planning regions..
- **Indicator 2***: entrepreneurs representing both countries and counties or planning regions.
- **Indicator 3**: respondents representing both countries, counties or planning regions, genders and age groups (15-29, 30-49, 50 and older)
- **Indicator 4**: the respondent in the organisation is the responsible decision maker or his/her delegated person

***"Individuālie komersanti" / "füüsilisest isikust ettevõtjad"; retail, wholesale, real estate or insurance businesses were excluded from the sample for indicators 1 and 2*



Weighting

- Data has been weighted according to the official the total number of entrepreneurs in accordance with local registers' data for indicator 1 and 2
- Data has been weighted according to the official statistics in regard to gender, age, county/ planning region and urbanisation level (on Latvia) for indicator 3



Terms and Marks Used

- ↑ the indicator is statistically significantly higher than in the total sample (95% probability)
- ↓ the indicator is statistically significantly lower than in the total sample (95% probability)

* Base is too small (30<n<50 respondents) for statistically significant conclusions

** Base is too small (<30 respondents) for statistically significant conclusions

Indicator 1. Share of entrepreneurs and new businesses in the region (not older than 3 years), which are ready for cross-border cooperation

Sample description

		Unweighted Count	Column N %*
	<i>All respondents</i>	516	100
Country	Estonia	255	49%
	Latvia	261	51%
Company type	Agriculture, forestry and fishing	41	7%
	Manufacturing	74	14%
	Electricity, gas, steam and air conditioning supply	0	0%
	Construction	107	21%
	Repair of motor vehicles and motorcycles	15	3%
	Transporting and storage	23	4%
	Accommodation and food service activities	20	4%
	Information and communication	37	7%
	Financial and insurance activities	2	0,4%
	Professional, scientific and technical activities	97	19%
	Administrative and support service activities	36	7%
	Education	10	2%
	Human health and social work activities	7	1%
	Arts, entertainment and recreation	16	3%
	Other services activities	29	6%
Number of employees	1-4	356	69%
	5-9	107	21%
	10-49	43	8%
	50-249	7	1%
	More than 249	3	1%
Company age	Up to 1 year	73	14%
	Up to 2 years	151	29%
	2 - 3 years	292	57%
Planning region in the Programme area	Rīga	215	87%
	Kurzeme	26	8%
	Vidzeme	20	6%
County in the Programme area	Hiiu county	5	2%
	Jõgeva county	13	5%
	Lääne county	15	5%
	Põlva county	12	4%
	Pärnu county	50	20%
	Saare county	16	6%
	Tartu county	97	38%
	Valga county	11	4%
	Viljandi county	20	8%
	Võru county	16	6%

Column N% *Weighted percentage in accordance with Business register statistical structure in order to ensure sample representativeness

Summary I

According to the survey results, the share of entrepreneurs and young businesses in the planning regions and counties in the Programme area who are ready for cross-border cooperation is 53%.

Share of entrepreneurs and young businesses (up to 3 years) in the planning regions and counties in the Programme area who have already extended their activities to markets of the neighboring countries is 30%.

According to NACE industry classification, the biggest share of extended activities to neighbor countries' markets have shown enterprises working in Transporting and storage (54%), Manufacturing (52%), Information and communication (37%).

The most popular neighboring countries' markets for current performance are Finland (11%, especially significantly more attractive for Estonian enterprises), Latvia/Estonia (11%) and Lithuania (8%, significantly more attractive for Latvian enterprises).

The option of performance extension to neighboring countries' markets is currently considered by 33% out of all enterprises who have not yet extended their activities, which makes 23% out of all enterprises (those who have already extended and do not consider extension at all, 30% and 47% respectively).

Among considered countries there are Finnish (11%), Latvian/Estonian (10%) and Swedish (7%) markets.

Summary II

47% of enterprises in the planning regions and counties have not extended their activities and do not consider extension at all.

55% of enterprises in Riga planning region in the Programme area do not consider performance extension to neighboring countries' markets which is statistically significantly higher than the total sample.

Finnish market is statistically significantly more considered by Estonian enterprises and statistically significantly less considered by Latvian enterprises (19% and 4% respectively).

The main reason for non-considering performance extension to neighboring countries is lack of interest in foreign markets (29%) which is mainly caused by the second reason – there is enough of work on local market (24%). As the survey was conducted among young enterprises, the third important reason for yet non-considering extension of activities is size of the company – 13% of companies said they are too small for performance extension.

According to the results, share of enterprises in the planning regions and counties in the Programme area who are ready for cross-border cooperation is 53%. Result consists of those enterprises who have already extended their activities to the markets of neighboring countries (30%) and those who yet have not extended their activities to the markets of neighboring countries, but consider this option in future (23%).

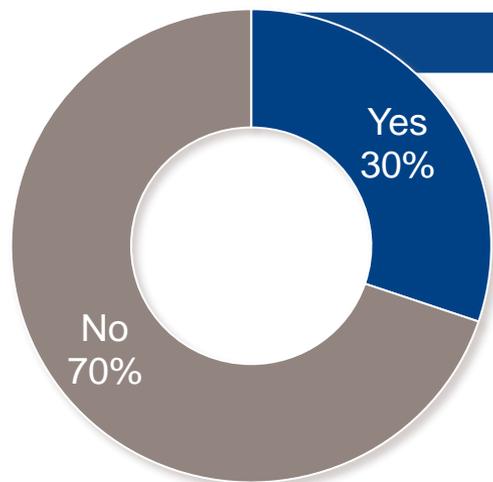
Performance extension to neighbor countries' markets

A2. Have you already extended your activities to markets of neighboring countries?

A2.1. Which countries?***

%, ***Multiple answers possible, $\Sigma > 100\%$

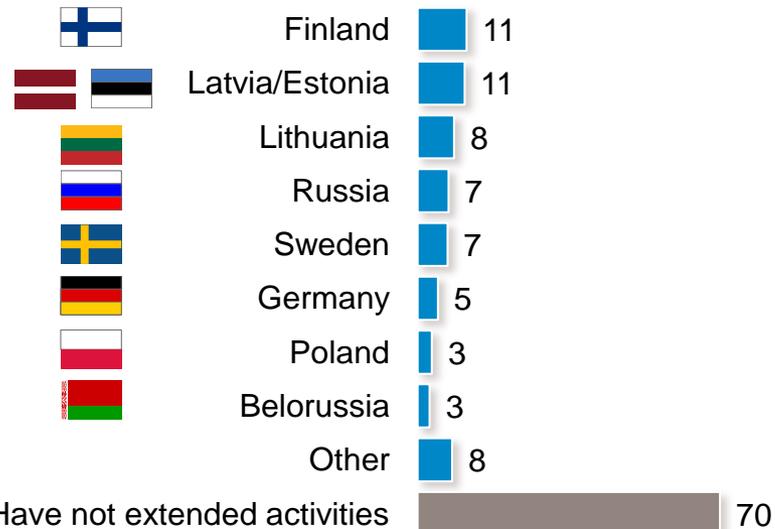
Current performance in neighboring countries' markets



Base: All respondents, n=516

Which countries?

Current neighboring markets to perform in



Base: All respondents, n=516

Current performance in neighboring countries' markets in details I

A2. Have you already extended your activities to markets of neighboring countries?

Row %

Base: All respondents, see 'n' on the table

	N	Yes	No	
All respondents	516	30	70	
Country	Estonia	31	69	
	Latvia	29	71	
Company type	Agriculture, forestry and fishing *	14 ↓	86 ↑	
	Manufacturing	52 ↑	48 ↓	
	Water supply; sewerage; waste management and remediation activities **		100	
	Construction	23	77	
	Repair of motor vehicles and motorcycles **	15	34	66
	Transporting and storage **	23	54 ↑	46 ↓
	Accommodation and food service activities **	20	25	75
	Information and communication *	37	35	65
	Financial and insurance activities **	2		100 ↑
	Professional, scientific and technical activities	97	30	70
	Administrative and support service activities *	36	27	73
Number of employees	Education **	10	100	
	Human health and social work activities **	7	15	85
	Arts, entertainment and recreation **	16	25	75
	Other services activities **	29	22	78
	1-4	356	23 ↓	77 ↑
Company age	5-9	107	40 ↑	60 ↓
	10-49 *	43	50 ↑	50 ↓
	50-249 **	7	57	43
	More than 249 **	3	100	
Company age	Up to 1 year	73	28	72
	Up to 2 years	151	33	67
	2 - 3 years	292	30	70

Current performance in neighboring countries' markets in details II

A2. Have you already extended your activities to markets of neighboring countries?

Row %

Base: All respondents, see 'n' on the table

		N	Yes	No
	All respondents	516	30	70
Planning region in the Programme area	Rīga	215	28	72
	Kurzeme **	26	38	62
	Vidzeme **	20	40	60
County in the Programme area	Hiiu county **	5	20	80
	Jõgeva county **	13	31	69
	Lääne county **	15	20	80
	Põlva county **	12	33	67
	Pärnu county	50	40	60
	Saare county **	16	25	75
	Tartu county	97	30	70
	Valga county **	11	36	64
	Viljandi county **	20	35	65
	Võru county **	16	19	81

Current neighboring markets to perform in I

A2.1. Which countries?***

Row %, Multiple answers possible, $\Sigma > 100\%$

Base: All respondents, see 'n' on the table

	N	Finland	Latvia/Estonia	Lithuania	Russia	Sweden	Germany	Poland	Belorussia	Other	Have not extended activities
All sample	516	11	11	8	7	7	5	3	3	8	70
Country											
Estonia	255	18	7	2	4	7	3	1	1	6	69
Latvia	261	5	15	15	11	7	7	5	5	10	71
Company type											
Agriculture, forestry and fishing *	41	3	2	2		2				5	86
Manufacturing	74	21	17	6	7	12	10	3	1	12	48
Water supply; sewerage; waste management and remediation activities **	2										100
Construction	107	8	2	3	4	4		1		6	77
Repair of motor vehicles and motorcycles **	15	20	13	7	13				7		66
Transporting and storage **	23	18	32	27	18	14	18	9	9	14	46
Accommodation and food service activities **	20	10	20	10	15	5	0	0	5		75
Information and communication *	37	13	11	11	3	8	3	6	3	16	65
Financial and insurance activities **	2										100
Professional, scientific and technical activities	97	9	14	12	10	8	7	6	5	12	70
Administrative and support service activities *	36	18	14	11	8	8	8	5	5		73
Education **	10										100
Human health and social work activities **	7			15							85
Arts, entertainment and recreation **	16	12	13	13		12		6			75
Other services activities **	29	4	7	10	14	6	4	4	4	10	78
Number of employees											
1-4	356	9	8	7	5	6	4	3	3	6	77
5-9	107	12	12	10	9	9	5	3	3	14	60
10-49 *	43	21	26	15	19	10	7	9	5	14	50
50-249 **	7	28	29	15		28	14				43
More than 249 **	3	34	35	35	31						
Company age											
Up to 1 year	73	14	10	4		6	3			4	72
Up to 2 years	151	14	9	9	5	8	4	4	3	7	67
2 - 3 years	292	9	12	9	10	7	6	4	4	10	70

Current neighboring markets to perform in II

A2.1. Which countries?***

Row %, Multiple answers possible, $\Sigma > 100\%$

Base: All respondents, see 'n' on the table

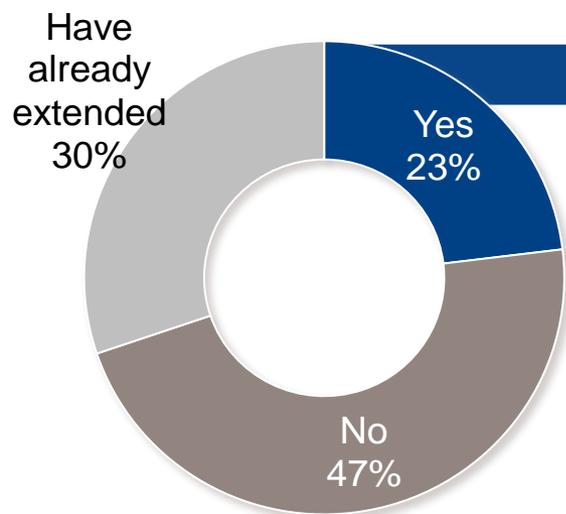
	N	Finland	Latvia/Estonia	Lithuania	Russia	Sweden	Germany	Poland	Belorussia	Other	Have not extended activities
All sample	516	11	11	8	7	7	5	3	3	8	70
Planning region in the Programme area											
Riga	215	6 ↓	15	15 ↑	12 ↑	7	7	6	5	10	72
Kurzeme **	26	4	15	19	8	8	8	4	4	8	62
Vidzeme **	20		15			10	5	5		10	60
County in the Programme area											
Hiiu county **	5	20									80
Jõgeva county **	13	23	8		8	8	8				69
Lääne county **	15	20				7					80
Põlva county **	12	17			8					8	67
Pärnu county	50	28 ↑	10	2	2	16	8	2		2	60
Saare county **	16	19	6			6				13	75
Tartu county	97	12	7	4	6	6	2	2	2	7	70
Valga county **	11	27	9								64
Viljandi county **	20	10	10							15	65
Võru county **	16	13								6	81

Consideration of performance extension to neighboring countries' markets

A2.2. Have you considered the option of extending your activities to the markets of neighboring countries?
 A2.2.1. Which countries have you thought of?***

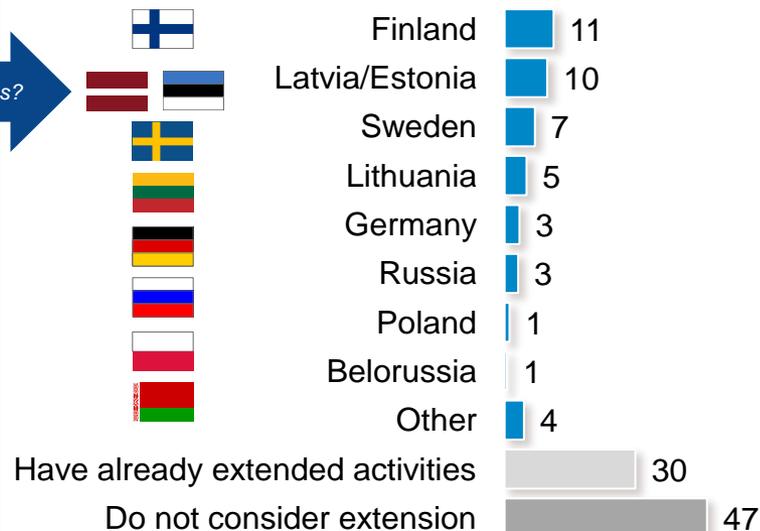
%, ***Multiple answers possible, $\Sigma > 100\%$

Considered performance in neighboring countries' markets



Base: All respondents, n=516

Considered neighboring markets to perform in



Base: All respondents, n=516

Considered performance in neighboring countries' markets in details I

A2.2. Have you considered the option of extending your activities to the markets of neighboring countries?

Row %

Base: All respondents, see 'n' on the table

	N	Yes	No	Have already extended
All sample	516	23	47	30
Country				
Estonia	255	28	41	31
Latvia	261	18	52	29
Company type				
Agriculture, forestry and fishing *	41	22	64 	14 
Manufacturing	74	23	25 	52 
Water supply; sewerage; waste management and remediation activities **	2		100	
Construction	107	25	51	23
Repair of motor vehicles and motorcycles **	15	7	59	34
Transporting and storage **	23	32	14 	54 
Accommodation and food service activities **	20	5 	71 	25
Information and communication *	37	32	33	35
Financial and insurance activities **	2	51	49	
Professional, scientific and technical activities	97	25	45	30
Administrative and support service activities *	36	22	50	27
Education **	10	39	61	
Human health and social work activities **	7	15	70	15
Arts, entertainment and recreation **	16	18	57	25
Other services activities **	29	13	64	22
Number of employees				
1-4	356	27	50	23 
5-9	107	17	42	40 
10-49 *	43	9 	40	50 
50-249 **	7	14	29	57
More than 249 **	3			100
Company age				
Up to 1 year	73	27	45	28
Up to 2 years	151	22	46	33
2 - 3 years	292	23	48	30

Considered performance in neighboring countries' markets in details II

A2.2. Have you considered the option of extending your activities to the markets of neighboring countries?

Row %

Base: All respondents, see 'n' on the table

	N	Yes	No	Have already extended
All sample	516	23	47	30
Planning region in the Programme area				
Rīga	215	18	55 ↑	28
Kurzeme **	26	23	38	38
Vidzeme **	20	25	35	40
County in the Programme area				
Hiiu county **	5	40	40	20
Jõgeva county **	13	31	38	31
Lääne county **	15	27	53	20
Põlva county **	12	33	33	33
Pärnu county	50	22	38	40
Saare county **	16	25	50	25
Tartu county	97	35 ↑	35 ↓	30
Valga county **	11	9	55	36
Viljandi county **	20	25	40	35
Võru county **	16	13	69	19

Considered neighboring markets to perform in I

A2.2.1. Which countries have you thought of?

Row %, Multiple answers possible, $\Sigma > 100\%$

Base: Those who have and have not considered or have already extended activities to the markets of neighboring countries, see 'n' on the table

	N	Finland	Latvia/Estonia	Sweden	Lithuania	Germany	Russia	Poland	Belorussia	Other	Have already extended activities	Do not consider extension	
All sample	516	11	10	7	5	3	3	1	1	4	30	47	
Country	Estonia	255	19	10	3	2	2	1		5	31	41	
	Latvia	261	4	10	4	7	4	1	1	3	29	52	
Company type	Agriculture, forestry and fishing *	41	15	7	2	5	2	2		2	14	64	
	Manufacturing	74	16	12	7	5	4	1		6	52	25	
	Water supply; sewerage; waste management and remediation activities **	2										100	
	Construction	107	15	8	11	5	5	4	1		23	51	
	Repair of motor vehicles and motorcycles **	15		7							34	59	
	Transporting and storage **	23	13	16	13	16	4	3	13	4	12	54	14
	Accommodation and food service activities **	20	5	5				5				25	71
	Information and communication *	37	18	11	12	5	5	10	3	5	8	35	33
	Financial and insurance activities **	2		51									49
	Professional, scientific and technical activities	97	7	11	5	7	3	4			3	30	45
	Administrative and support service activities *	36	5	11	3	6					3	27	50
	Education **	10	20	10	29		10	10			10		61
	Human health and social work activities **	7		15		15						15	70
	Arts, entertainment and recreation **	16	6	6	6		6				6	25	57
Other services activities **	29	6	3		3					3	22	64	
Number of employees	1-4	356	13	11	7	6	3	3	1	0,5	5	23	50
	5-9	107	7	7	6	3	3	4	1		5	40	42
	10-49 *	43	7	7	7	5	5	2	2	2		50	40
	50-249 **	7	14	14	14	14	14		14			57	29
	More than 249 **	3										100	
Company age	Up to 1 year	73	16	8	16	3	4	1			8	28	45
	Up to 2 years	151	12	11	5	6	1	1	1		5	33	46
	2 - 3 years	292	10	10	6	5	4	5	2	1	3	30	48

Considered neighboring markets to perform in II

A2.2.1. Which countries have you thought of?

Row %, Multiple answers possible, $\Sigma > 100\%$

Base: Those who have and have not considered or have already extended activities to the markets of neighboring countries, see 'n' on the table

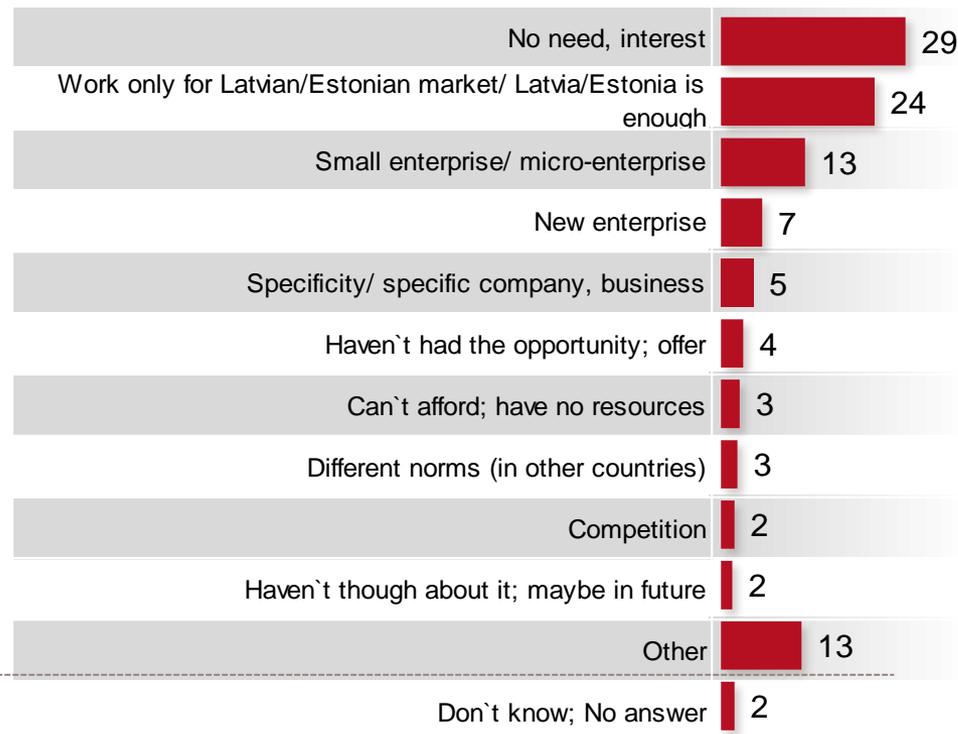
	N	Finland	Latvia/Estonia	Sweden	Lithuania	Germany	Russia	Poland	Belorussia	Other	Have already extended activities	Do not consider extension
All sample	516	11	10	7	5	3	3	1	1	4	30	47
Planning region in the Programme area												
Riga	215	4 ↓	10	4	6	4	3	1	1	3	28	55 ↑
Kurzeme **	26	12	12	4	15	4	12		4	4	38	38
Vidzeme **	20		10	5	10	10	10	5		5	40	35
County in the Programme area												
Hiiu county **	5	40		20							20	40
Jõgeva county **	13	23	15				8			8	31	38
Lääne county **	15	27		7							20	53
Põlva county **	12	33	8	17						17	33	33
Pärnu county	50	12	8	12	2	4	2			6	40	38
Saare county **	16	13	13	13			13			6	25	50
Tartu county	97	21 ↑	12	8	5	4	2	1		7	30	35 ↓
Valga county **	11	9	9								36	55
Viljandi county **	20	25	10	15	5			5			35	40
Võru county **	16	6		13							19	69

Reasons for non-considering performance extension to neighboring countries' markets

A2.2.2. Why haven't you considered this option?

%, Multiple answers possible, $\Sigma > 100\%$

Base: Those who have not considered the option of extending activities to the markets of neighboring countries, n=277



Non-considered performance extension reasons in details I

A2.2.2. Why haven't you considered this option?

Row %, Multiple answers possible, $\Sigma > 100\%$

Base: Those who have not considered the option of extending activities to the markets of neighbouring countries, see 'n' on the table

	N	No need, interest	Work only for Latvian/Estonian market/ Latvia/Estonia is enough	Small enterprise/ micro-enterprise	New enterprise	Specificity/ specific company, business	Haven't had the opportunity; offer	Can't afford; have no resources	Different norms (in other countries)	Competition	Haven't thought about it; maybe in future	Other	Don't know; No answer
All sample	239	29	24	13	7	5	4	3	3	2	2	13	2
Country													
Estonia	105	47	15	15	10					2		12	2
Latvia	134	16	31	12	4	9	6	5	5	2	3	13	2
Company type													
Agriculture, forestry and fishing **	26	25	19	19	11	4				4		26	
Manufacturing **	18	41	17	4		15	12				6	4	12
Water supply; sewerage; waste management and remediation activities **	2	48		52									
Construction	55	42	29	7	9		4	5		2		8	
Repair of motor vehicles and motorcycles **	9	56	10	11								11	11
Transporting and storage **	3		33				34			34			
Accommodation and food service activities **	14	22	29	14	7	7		7				14	
Information and communication **	12	33	8	16			9	8				17	9
Financial and insurance activities **	1	100											
Professional, scientific and technical activities *	43	25	28	12	4	10	2		12		5	11	
Administrative and support service activities **	18	17	17	27	6	6	6	6		6		10	
Education **	6	34	16	16								34	
Human health and social work activities **	5	22	21	19	16	22							
Arts, entertainment and recreation **	9		43	11	23						12	12	
Other services activities **	18	11	33	17	5	6		6	6	5		22	5
Number of employees													
1-4	175	31	22	16	8	2	4	2	2	2	2	11	2
5-9 *	45	25	28	7	2	16	2	7	5	2		15	2
10-49 **	17	24	24	5	6	6		6			6	23	
50-249 **	2		100										
Company age													
Up to 1 year *	33	37	11	12	24							15	3
Up to 2 years	68	31	23	13	4	2	6	9	2	5		12	
2 - 3 years	138	26	28	13	3	8	3	1	4	1	3	13	3

Non-considered performance extension reasons in details II

A2.1. Which countries?***

Row %, Multiple answers possible, $\Sigma > 100\%$

Base: Those who have not considered the option of extending activities to the markets of neighboring countries, see 'n' on the table

	N	No need, interest	Work only for Latvian market/ Latvia is enough	Small enterprise/ micro-enterprise	New enterprise	Specificity/ specific company, business	Haven't had the opportunity; offer	Can't afford; have no resources	Different norms (in other countries)	Competition	Haven't thought about it; maybe in future
All sample	239	29	24	13	7	5	4	3	3	2	2
Planning region in the Programme area											
Riga	117	17 ↓	31	11	3	9	7	5	5	3	3
Kurzeme **	10		30	20				10			
Vidzeme **	7		29	14	29	14					
County in the Programme area											
Hiiu county **	2	50	50								
Jõgeva county **	5	20	20							20	
Lääne county **	8	50	25	25							
Põlva county **	4	50			25						
Pärnu county **	19	53 ↑	5	11	16						
Saare county **	8	38	13	13						13	
Tartu county *	34	47 ↑	18	24	9						
Valga county **	6	50	17	17							
Viljandi county **	8	50	13	13	25						
Võru county **	11	45	18	9	9						

Indicator 2. Share of entrepreneurs carrying out joint product or service development

Sample description

		Unweighted Count	Column N %*	
	<i>All respondents</i>	512	100	
Country	Estonia	251	49%	
	Latvia	261	51%	
Company type	Agriculture, forestry and fishing	36	7%	
	Manufacturing	78	15%	
	Electricity, gas, steam and air conditioning supply	4	1%	
	Water supply; sewerage; waste management and remediation activities	5	1%	
	Construction	84	16%	
	Repair of motor vehicles and motorcycles	25	5%	
	Transporting and storage	47	9%	
	Accommodation and food service activities	20	4%	
	Information and communication	28	5%	
	Financial and insurance activities	1	0,2%	
	Professional, scientific and technical activities	94	18%	
	Administrative and support service activities	30	6%	
	Education	7	1%	
	Human health and social work activities	17	3%	
	Arts, entertainment and recreation	9	2%	
	Other services activities	27	5%	
	Number of employees	1-4	277	54%
		5-9	122	23%
10-49		81	16%	
50-249		30	6%	
More than 249		2	0%	
Company age	Up to 1 year	16	3%	
	Up to 2 years	34	5%	
	2 - 3 years	97	16%	
	4 - 5 years	64	14%	
	6 - 10 years	144	32%	
	11 + years	157	30%	
Planning region in the Programme area	Rīga	207	82%	
	Kurzeme	34	10%	
	Vidzeme	20	8%	
County in the Programme area	Hiiu county	5	2%	
	Jõgeva county	13	5%	
	Lääne county	13	5%	
	Põlva county	11	5%	
	Pärnu county	47	19%	
	Saare county	19	8%	
	Tartu county	98	38%	
	Valga county	12	5%	
	Viljandi county	18	8%	
	Võru county	15	6%	

Column N% *Weighted percentage in accordance with Business register statistical structure in order to ensure sample representativeness

Summary I

According to the results, share of enterprises carrying out joint product or service development with Latvian/Estonian companies in the planning regions and counties in the Programme area is 14%.

Out of all enterprises carrying out joint cross-border product or service development, 35% have been doing it up to 2 years, 28% - from 2 to 5 years, 17% - for 6-10 years and 20% - for more than 10 years.

The biggest share – 22% – of such enterprises are older than 11 years.

Survey results show that joint cross-border product or service development with Latvian/Estonian companies directly depends on the size of the company: the bigger is the number of employees working in the company, the higher is percentage of such companies carried out joint product or service development.

The main reason for absence of cross-border cooperation on joint product or service development with Latvian/Estonian companies is lack of interest in neighbor market (39%) which is mainly caused by the second reason – there is enough of work on local market (14%). Specificity of business is the third main reason for non-cooperation.

Summary II

81% out of those who have not yet carried out joint product or service development do not yet consider it in future.

To conclude, there are 69% of companies in the planning regions and counties in the Programme area who have not yet carried out joint cross-border product or service development with Latvian/Estonian companies and do not plan to carry it out.

14% of all the companies have carried out or provided joint production or service together with Latvian/Estonian companies. The biggest share of such companies is 11+ years old.

47% of such companies have been doing it up to 2 years.

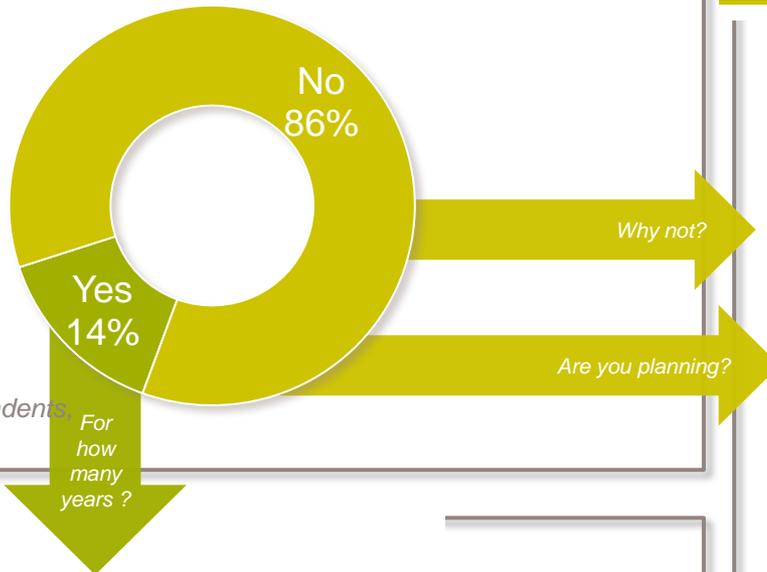
Survey results show that 16% of companies who have not yet carried out joint production or service development together with Latvian/Estonian companies plan to do it in future and 70% of those who have not yet been doing it, do not plan it either. Thus, share of companies who are ready for carrying out joint production or service development and who have already been doing it is 30%.

Cooperation on joint product or service development

B1. Have you carried out joint product or service development with Estonian/Latvian companies? B1.1 For how many years have you carried out joint product or service development? B1.2 Why haven't you carried out joint product or service development?*** B1.2.1 Are you planning to carry out joint product or service development in future?

%, ***Multiple answers possible, $\Sigma > 100\%$

B1

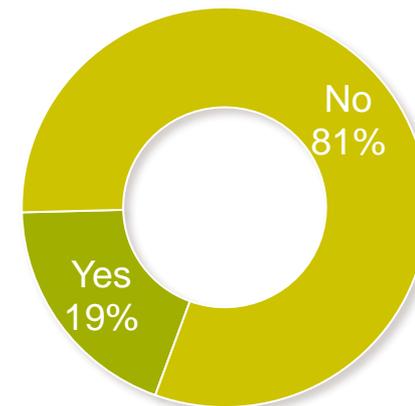


Base: All respondents, n=512

B1.2 – TOP3

No need, interest	39%
Work only for Latvian/Estonian market/ Latvia/Estonia is enough	14%
Specificity/ specific company, business	14%

B1.2.1



Base: Those who have not carried out joint product or service development with Estonian/Latvian companies, n=439

B1.1

■ Up to 2 years ■ 2-5 years ■ 6-10 years ■ More than 10 years



Base: Those who have carried out joint product or service development with Estonian/Latvian companies, n=73

Cross-border joint product or service development in details I

B1. Have you carried out joint product or service development with Estonian/Latvian companies?

Row %

Base: All respondents, see 'n' on the table

	N	Yes	No
All sample	512	14	86
Country			
Estonia	251	10	90
Latvia	261	18	82
Company type			
Agriculture, forestry and fishing *	36	9	91
Manufacturing	78	17	83
Electricity, gas, steam and air conditioning supply **	4		100
Water supply; sewerage; waste management and remediation activities **	5		100
Construction	84	18	82
Repair of motor vehicles and motorcycles **	25	19	81
Transporting and storage *	47	12	88
Accommodation and food service activities **	20	11	89
Information and communication **	28	14	86
Financial and insurance activities **	1		100
Professional, scientific and technical activities	94	16	84
Administrative and support service activities *	30	18	82
Education **	7	16	84
Human health and social work activities **	17	5	95
Arts, entertainment and recreation **	9	21	79
Other services activities **	27	6	94
Number of employees			
1-4	277	9 ↓	91 ↑
5-9	122	14	86
10-49	81	26 ↑	74 ↓
50-249 *	30	32 ↑	68 ↓
More than 249 **	2	51	49

Cross-border joint product or service development in details II

B1. Have you carried out joint product or service development with Estonian/Latvian companies?

Row %

Base: All respondents, see 'n' on the table

	N	Yes	No
All sample	512	14	86
Company age			
Up to 1 year **	16	13	87
Up to 2 years *	34	11	89
2 - 3 years	97	6 ↓	94 ↑
4 - 5 years	64	18	82
6 - 10 years	144	11	89
11 + years	157	22 ↑	78 ↓
Planning region in the Programme area			
Rīga	207	19	81
Kurzeme *	34	20	80
Vidzeme **	20	16	84
County in the Programme area			
Hiiu county **	5	20	80
Jõgeva county **	13		100
Lääne county **	13		100
Põlva county **	11		100
Pärnu county *	47	13	87
Saare county **	19	16	84
Tartu county	98	10	90
Valga county **	12	9	91
Viljandi county **	18		100
Võru county **	15	33	67

Length of cooperation on joint product or service development in details I

B1.1 For how many years have you carried out joint product or service development?

Row %

Base: Those who have carried out joint product or service development with Estonian/Latvian companies, see 'n' on the table

	N	Up to 2 years	2-5 years	6-10 years	More than 10 years
All sample	73	35	28	17	20
Country					
Estonia **	26	42	23	15	19
Latvia *	47	31	30	18	21
Company type					
Agriculture, forestry and fishing **	3	38	33	29	
Manufacturing **	13	26	26	24	23
Construction **	15	35	45	14	7
Repair of motor vehicles and motorcycles **	5	20	16	64 	
Transporting and storage **	6		50		50
Accommodation and food service activities **	2	46	54		
Information and communication **	4	75			25
Professional, scientific and technical activities **	14	49	17	13	22
Administrative and support service activities **	5	38		25	37
Education **	1	100			
Human health and social work activities **	1				100
Arts, entertainment and recreation **	2		100		
Other services activities **	2	32			68
Number of employees					
1-4 **	24	52	13	17	17
5-9 **	17	39	17	20	24
10-49 **	22	20	47	7	26
50-249 **	9	12	41	36	12
More than 249 **	1	100			

Length of cooperation on joint product or service development in details II

B1.1 For how many years have you carried out joint product or service development?

Row %

Base: Those who have carried out joint product or service development with Estonian/Latvian companies, see 'n' on the table

	N	Up to 2 years	2-5 years	6-10 years	More than 10 years
All sample	73	35	28	17	20
Company age					
Up to 1 year **	2	51			49
Up to 2 years **	4	68		32	
2 - 3 years **	6	73	13	13	
4 - 5 years **	11	35	34	31	
6 - 10 years **	16	46	14	17	24
11 + years *	34	20	39	12	29
Planning region in the Programme area					
Rīga *	37	31	32	20	17
Kurzeme **	7	23	29		47
Vidzeme **	3	38		31	31
County in the Programme area					
Hiiu county **	1	100			
Pärnu county **	6	32	17	34	17
Saare county **	3	33	67		
Tartu county **	10	50	10	20	20
Valga county **	1		100		
Võru county **	5	40	20		40

Reasons for non-cooperation on joint product or service development I

B1.2 Why haven't you carried out joint product or service development?

Row %, Multiple answers possible, $\Sigma > 100\%$

Base: Those who have not carried out joint product or service development with Estonian/Latvian companies, see 'n' on the table

Note: There are shown answers mentioned by at least 1% respondents

	N	No need, interest	Work only for Latvian/Estonian market/ Latvia/Estonia is enough	Specificity/ specific company, business	Haven't had the opportunity; offer	Small enterprise/ micro-enterprise	Work with other countries	Don't have the contacts, enough information	New enterprise	Can't afford; have no resources	Different norms (in other countries)	Other	Don't know; No answer
All sample	439	39	14	14	5	5	4	3	2	2	1	10	5
Country													
Estonia	225	52	5	19	1	5		5	3			7	5
Latvia	214	26	23	9	10	5	7	1	1	5	2	13	4
Company type													
Agriculture, forestry and fishing *	33	41	6	22	3	5	2	3	6	1		6	7
Manufacturing	65	42	8	16	5	8	2	6	4	6	2	11	
Electricity, gas, steam and air conditioning supply **	4	22			22		33			22			
Water supply; sewerage; waste management and remediation activities **	5	19	49			12	20			12			
Construction	69	44	19	7	2	5		3	1			14	6
Repair of motor vehicles and motorcycles **	20	59	7	19	11		4					5	
Transporting and storage *	41	31	10	19	3	7	10	5		1		11	7
Accommodation and food service activities **	18	37	10	22		6		5				14	19
Information and communication **	24	33	15	18	13			3	5			10	5
Financial and insurance activities **	1	100											
Professional, scientific and technical activities	80	35	22	15	4	3	3	2	5	3	2	8	3
Administrative and support service activities **	25	43	8	5	12	4	14			7		2	5
Education **	6	29	19		13						19		
Human health and social work activities **	16	54		12	7							20	6
Arts, entertainment and recreation **	7	43	16		16							13	12
Other services activities **	25	27	26	13		19		4				16	3
Number of employees													
1-4	253	42	13	13	5	8	2	3	4	2	0,4	10	4
5-9	105	31	15	17	4	3	6	2	1	3	3	12	7
10-49	59	42	22	8	5	2	10	5		2		11	2
50-249 **	21	43		19	16			4		3			10
More than 249 **	1											100	

Reasons for non-cooperation on joint product or service development II

B1.2 Why haven't you carried out joint product or service development?

Row %, Multiple answers possible, $\Sigma > 100\%$

Base: Those who have not carried out joint product or service development with Estonian/Latvian companies, see 'n' on the table

Note: There are shown answers mentioned by at least 1% respondents

	N	No need, interest	Work only for Latvian/Estonian market/ Latvia/Estonia is enough	Specificity/ specific company, business	Haven't had the opportunity; offer	Small enterprise/ micro-enterprise	Work with other countries	Don't have the contacts, enough information	New enterprise	Can't afford; have no resources	Different norms (in other countries)	Other	Don't know; No answer
All sample	439	39	14	14	5	5	4	3	2	2	1	10	5
Company age													
Up to 1 year **	14	47		7	4	20			22				7
Up to 2 years *	30	52	12	17	9	5		4	11	7		6	
2 - 3 years	91	37	12	9	6	7	1	6	4	4	4	13	3
4 - 5 years	53	50	12	9	2	6	7		2	2		11	6
6 - 10 years	128	35	17	14	7	2	5	3	1	3		11	5
11 + years	123	37	16	19	4	6	3	3			1	9	5
Planning region in the Programme area													
Rīga	170	26 ↓	22 ↑	9	12 ↑	6	8 ↑	1	2	5	1	13	3
Kurzeme **	27	23	17	8	4		7			9	5	15	7
Vidzeme **	17	26	46 ↑	7		3					6	12	6
County in the Programme area													
Hiiu county **	4	25		25		25							25
Jõgeva county **	13	31	8	16		15		8	8			15	8
Lääne county **	13	61		31				8				8	
Põlva county **	11	73 ↑	9		9							9	
Pärnu county *	41	58 ↑	2 ↓	22		2		7	2			7	2
Saare county **	16	50	13	6		6						12	13
Tartu county	88	50 ↑	6 ↓	17	1	6		7	6			8	3
Valga county **	11	46	9	27		9						9	
Viljandi county **	18	55	6	17				5					17
Võru county **	10	40		40		10			10				

Consideration of joint product or service development in future I

B1.2.1 Are you planning to carry out joint product or service development in future?

Row %

Base: Those who have not carried out joint product or service development with Estonian/Latvian companies, see 'n' on the table

	N	Yes	No	
All sample	439	19	81	
Country	Estonia	23	77	
	Latvia	15	85	
Company type	Agriculture, forestry and fishing *	19	81	
	Manufacturing	26	74	
	Electricity, gas, steam and air conditioning supply **	4	100	
	Water supply; sewerage; waste management and remediation activities **	5	39	61
	Construction	69	28	72
	Repair of motor vehicles and motorcycles **	20	16	84
	Transporting and storage *	41	13	87
	Accommodation and food service activities **	18	29	71
	Information and communication **	24	17	83
	Financial and insurance activities **	1		100
	Professional, scientific and technical activities	80	12	88
	Administrative and support service activities **	25	13	87
	Education **	6	19	81
Human health and social work activities **	16	12	88	
Arts, entertainment and recreation **	7	29	71	
Other services activities **	25	12	88	
Number of employees	1-4	20	80	
	5-9	14	86	
	10-49	18	82	
	50-249 **	29	71	
	More than 249 **	1	100	

Consideration of joint product or service development in future II

B1.2.1 Are you planning to carry out joint product or service development in future?

Row %

Base: Those who have not carried out joint product or service development with Estonian/Latvian companies, see 'n' on the table

	N	Yes	No
All sample	439	19	81
Company age			
Up to 1 year **	14	23	77
Up to 2 years *	30	27	73
2 - 3 years	91	26	74
4 - 5 years	53	17	83
6 - 10 years	128	15	85
11 + years	123	18	82
Planning region in the Programme area			
Rīga	170	16	84
Kurzeme **	27	6	94
Vidzeme **	17	13	87
County in the Programme area			
Hiiu county **	4		100
Jõgeva county **	13	31	69
Lääne county **	13	23	77
Põlva county **	11	9	91
Pärnu county *	41	29	71
Saare county **	16	6	94
Tartu county	88	22	78
Valga county **	11	36	64
Viljandi county **	18	33	67
Võru county **	10	20	80

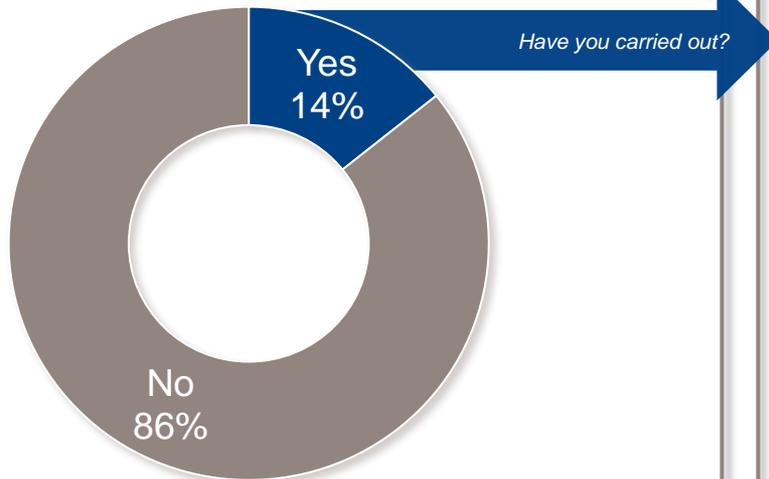
Joint production or service provision

B2. Have you carried out joint production or provided joint service with Estonian/Latvian companies?

B2.1 For how many years have you carried out joint product or service provision?

%

B2



Base: All respondents, n=512

B2.1

■ Up to 2 years ■ 2-5 years ■ 6-10 years ■ More than 10 years



Base: Those who have you carried out joint production or provided joint service with Estonian/Latvian companies, n=72

Cross-border joint production or service provision in details I

B2. Have you carried out joint production or provided joint service with Estonian/Latvian companies?

Row %

Base: All respondents, see 'n' on the table

	N	Yes	No	
All sample	512	14	86	
Country	Estonia	12	88	
	Latvia	17	83	
Company type	Agriculture, forestry and fishing *	6	94	
	Manufacturing	16	84	
	Electricity, gas, steam and air conditioning supply **	4	100	
	Water supply; sewerage; waste management and remediation activities **	5	39	61
	Construction	84	14	86
	Repair of motor vehicles and motorcycles **	25	26	74
	Transporting and storage *	47	19	81
	Accommodation and food service activities **	20	11	89
	Information and communication **	28	19	81
	Financial and insurance activities **	1		100
	Professional, scientific and technical activities	94	13	87
	Administrative and support service activities *	30	14	86
	Education **	7	16	84
Human health and social work activities **	17	6	94	
Arts, entertainment and recreation **	9	23	77	
Other services activities **	27	4	96	
Number of employees	1-4	277	10	90
	5-9	122	14	86
	10-49	81	25 ↑	75 ↓
	50-249 *	30	16	84
	More than 249 **	2	51	49

Cross-border joint production or service provision in details II

B2. Have you carried out joint production or provided joint service with Estonian/Latvian companies?

Row %

Base: All respondents, see 'n' on the table

	N	Yes	No
All sample	512	14	86
Company age			
Up to 1 year **	16	10	90
Up to 2 years *	34	6	94
2 - 3 years	97	8	92
4 - 5 years	64	11	89
6 - 10 years	144	16	84
11 + years	157	19	81
Planning region in the Programme area			
Rīga	207	17	83
Kurzeme *	34	24	76
Vidzeme **	20	10	90
County in the Programme area			
Hiiu county **	5	40	60
Jõgeva county **	13		100
Lääne county **	13	8	92
Põlva county **	11		100
Pärnu county *	47	13	87
Saare county **	19	11	89
Tartu county	98	12	88
Valga county **	12	9	91
Viljandi county **	18	6	94
Võru county **	15	27	73

Length of joint product or service provision in details I

B2.1 For how many years have you carried out joint product or service provision?

Row %

Base: Those who have you carried out joint production or provided joint service with Estonian/Latvian companies, see 'n' on the table

	N	Up to 2 years	2-5 years	6-10 years	More than 10 years
All sample	72	47	25	11	17
Country					
Estonia **	29	52	24	7	17
Latvia *	43	44	26	14	16
Company type					
Agriculture, forestry and fishing **	2	54	46		
Manufacturing **	12	41	24	19	16
Construction **	12	13 ↓	61 ↑	17	9
Repair of motor vehicles and motorcycles **	7	68		32	
Transporting and storage **	9	37	31		32
Accommodation and food service activities **	2	46	54		0
Information and communication **	5	38	43		19
Professional, scientific and technical activities **	12	67	10	5	18
Administrative and support service activities **	4	77			23
Education **	1	100			
Human health and social work activities **	1			100	
Arts, entertainment and recreation **	2	54			46
Other services activities **	1				100
Number of employees					
1-4 **	28	55	23	7	15
5-9 **	16	49	19	13	19
10-49 **	22	44	27	7	22
50-249 **	5		58	42	
More than 249 **	1	100			

Length of joint product or service provision in details II

B2.1 For how many years have you carried out joint product or service provision?

Row %

Base: Those who have you carried out joint production or provided joint service with Estonian/Latvian companies, see 'n' on the table

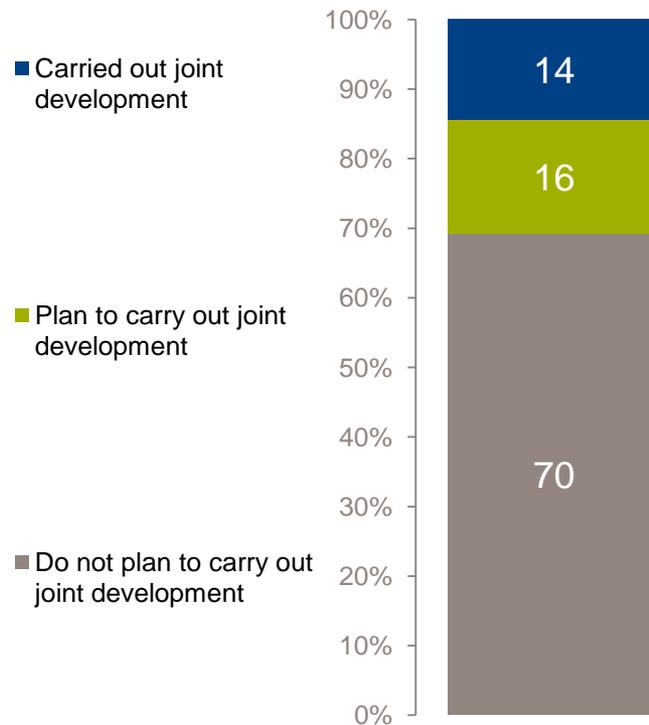
	N	Up to 2 years	2-5 years	6-10 years	More than 10 years
All sample	72	47	25	11	17
Company age					
Up to 1 year **	2	34			66
Up to 2 years **	2	100			
2 - 3 years **	7	59	32	9	
4 - 5 years **	7	43	41	16	
6 - 10 years **	23	50	25	8	17
11 + years *	31	41	22	14	23
Planning region in the Programme area					
Rīga *	33	46	27	14	12
Kurzeme **	8	45	28		28
Vidzeme **	2			50	50
County in the Programme area					
Hiiu county **	2	100			
Lääne county **	1	100			
Pärnu county **	6	34	33	17	17
Saare county **	2	50	50		
Tartu county **	12	58	17	9	16
Valga county **	1		100		
Viljandi county **	1	100			
Võru county **	4	25	25		50

Actual and considered joint product or service development

B1. Have you carried out joint product or service development with Estonian/Latvian companies?
B1.2.1 Are you planning to carry out joint product or service development in future?

%

Base: All respondents, n=512



Actual and considered joint product or service development in details I

B1. Have you carried out joint product or service development with Estonian/Latvian companies?
 B1.2.1 Are you planning to carry out joint product or service development in future?

Row %

Base: All respondents, see 'n' on the table

	N	Carried out joint development	Plan to carry out joint development	Do not plan to carry out joint development	
All sample	512	14	16	69	
Country	Estonia	10	21	69	
	Latvia	18	12	70	
Company type	Agriculture, forestry and fishing *	9	17	74	
	Manufacturing	17	22	61	
	Electricity, gas, steam and air conditioning supply **	4		100	
	Water supply; sewerage; waste management and remediation activities **	5		39	61
	Construction	84	18	23	59
	Repair of motor vehicles and motorcycles **	25	19	13	68
	Transporting and storage *	47	12	12	77
	Accommodation and food service activities **	20	11	25	63
	Information and communication **	28	14	14	72
	Financial and insurance activities **	1			100
	Professional, scientific and technical activities	94	16	10	74
	Administrative and support service activities *	30	18	10	71
	Education **	7	16	16	68
Human health and social work activities **	17	5	12	83	
Arts, entertainment and recreation **	9	21	23	56	
Other services activities **	27	6	12	83	
Number of employees	1-4	277	9 ↓	19	72
	5-9	122	14	12	74
	10-49	81	26 ↑	14	61
	50-249 *	30	32 ↑	20	49 ↓
	More than 249 **	2	51		49

Actual and considered joint product or service development in details II

B1. Have you carried out joint product or service development with Estonian/Latvian companies?

B1.2.1 Are you planning to carry out joint product or service development in future?

Row %

Base: All respondents, see 'n' on the table

	N	Carried out joint development	Plan to carry out joint development	Do not plan to carry out joint development
All sample	512	14	16	69
Company age				
Up to 1 year **	16	13	20	67
Up to 2 years *	34	11	24	65
2 - 3 years	97	6 	25	70
4 - 5 years	64	18	14	68
6 - 10 years	144	11	14	75
11 + years	157	22 	14	64
Planning region in the Programme area				
Rīga	207	19	13	68
Kurzeme *	34	20	5	75
Vidzeme **	20	16	11	74
County in the Programme area				
Hiiu county **	5	20		80
Jõgeva county **	13		31	69
Lääne county **	13		23	77
Põlva county **	11		9	91
Pärnu county *	47	13	26	62
Saare county **	19	16	5	79
Tartu county	98	10	19	71
Valga county **	12	9	33	58
Viljandi county **	18		33	67
Võru county **	15	33	13	53

Indicator 3. Awareness of people about resource efficiency with a focus on waste and energy saving

Sample description

		Unweighted Count	Column N %*
	<i>All respondents</i>	2055	100
Country	Estonia	1026	50%
	Latvia	1029	50%
Gender	Male	1049	47%
	Female	1006	53%
Age	15 - 29	624	27%
	30 - 49	723	35%
	50 and older	708	39%
Gender and age groups	Male 15 - 29	325	14%
	Female 15 - 29	299	13%
	Male 30 - 49	367	17%
	Female 30 - 49	356	18%
	Male 50 and older	357	16,5%
	Female 50 and older	351	22%
Planning region in the Programme area	Riga	711	68%
	Kurzeme	187	18%
	Vidzeme	131	14%
County in the Programme area	Hiiu county	26	2%
	Jõgeva county	79	7%
	Lääne county	67	5%
	Põlva county	40	6%
	Pärnu county	176	18%
	Saare county	73	7%
	Tartu county	338	32%
	Valga county	68	6%
	Viljandi county	86	10%
	Võru county	73	7%
Settlement type	Capital (only Latvia)	466	22%
	Big city	436	21%
	Other city	442	21%
	Rural area	711	36%

Column N% *Weighted percentage in accordance with population statistical structure in order to ensure sample representativeness

Summary I. Energy saving.

Survey results reflect awareness of people about energy saving – 41% of respondents are very familiar with the topic, 50% indicated that they know the topic, although they are not interested in it and only 9% know nothing about energy saving.

In Latvia people know statistically significantly more about energy saving than in Estonia, where people know significantly less in comparison to the total sample – 51% and 30% respectively.

Also survey outcome shows that the older people are, the more they know about the subject and more interested they are. Especially males at the age of 50+ are statistically significantly more aware of the subject, but on the contrary, although women are less aware of the subject, they act even more energy-efficiently than males.

54% of the total sample act energy-efficiently as often as possible and 40% sometimes take actions to save energy. Awareness in action shows that 69% act energy efficiently from those who are very familiar with energy saving topic, which is a statistically significantly higher result than the total sample. In addition, only 2% of those who are very familiar with the topic, do not pay attention to it at all. To sum up, it can be concluded from the results that awareness causes action and those who are aware about energy saving, also act energy efficiently and take actions to save energy as often as possible.

Summary II. Waste sorting.

Survey results indicated that there are 53% of people who are very familiar with waste sorting topic.

However, in Estonia the percentage of those who know the topic but are not interested in it – 46% – is statistically significantly higher than the total sample and in comparison to Latvia, where this indicator is 37%.

It is a matter of fact that statistically significantly more women are very familiar with the topic and, on the contrary, statistically significantly less men – 56% and 49% respectively.

There 67% of households who said they sort waste. There are statistically significantly more households in Estonia and statistically significantly less households in Latvia who sort waste at home – 83% and 51% accordingly. Waste sorting is the least popular among young males – only 59% of them indicated they sort waste in their household.

It is worth paying attention to the fact that among all the planning regions and counties in the Programme area, waste sorting rate is the lowest in Riga – only 48% of households sort waste. In comparison to Estonia, the lowest rate of waste sorting is indicated in Viljandi county and it is 74% which is significantly higher than in Riga.

The most widely spread categories of sorted waste are glass (49%), paper and paperboard (48%) and plastic packaging (43%).

Summary III. Recycling.

34% of respondents indicated they are very familiar with recycling topic and 54% that they know the topic, but have no interest in it.

18% of the total sample regularly recycle waste and 55% sometimes take actions to recycle.

Awareness in action shows that 37% from those who are very familiar with recycling topic, also take regular actions to recycle their waste. It is a statistically significantly higher result than the total sample. However, 11% of those who are very familiar with the topic, do not pay attention to it at all.

To sum up, it can be concluded from the results that awareness causes action and those who are aware about recycling, also recycle their own waste and despite high level of awareness and lack of interest towards the subject, 63% still take some actions to recycle waste.

The share of those who are very familiar with the recycling subject is significantly higher in Estonia and statistically significantly lower in Latvia – 37% vs. 30%. However, taking into consideration the fact that from Latvian side the capital is included into the Programme area and from Estonian – not, the results between the countries are hardly comparable, as the level of pollution in resource-efficient behavior tend to be lower in populous inhabited localities rather than in rural areas.

Summary IV. Awareness and sources of information.

Current level of awareness about waste sorting, energy saving and recycling compared to the past knowledge about the same topics has considerably risen for 27%. 48% of respondents indicated that their knowledge has risen a little and 26% said that their knowledge in comparison to the past 4 years has remained the same.

Statistically significantly more young women at the age 15-29 years indicated that their knowledge about the above mentioned topics has risen considerably which is the highest result in comparison to the rest age and gender groups.

The most popular information source about recycling and energy saving are television or radio: 67% of respondents receive information about recycling and 64% about energy saving from television or radio. Internet was indicated as the second most popular source of information – 50% of information about both topics is received from the internet. And the third most popular source is public campaigns – 38% and 33%.

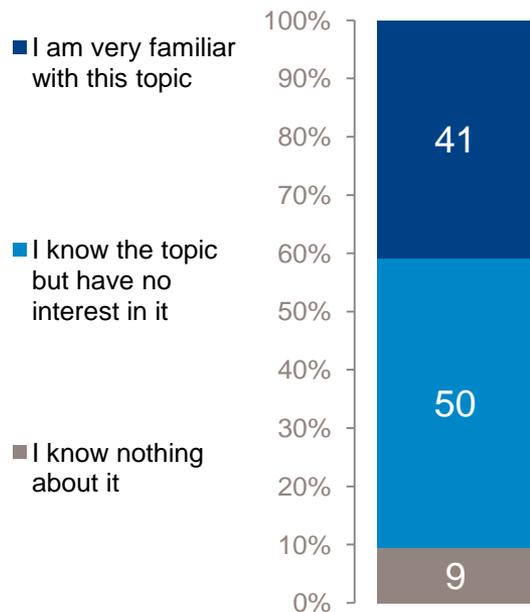
Energy saving: awareness and behavior.

C4. How do you assess your awareness about energy saving?
C5. How do you assess your own behavior regarding energy saving?

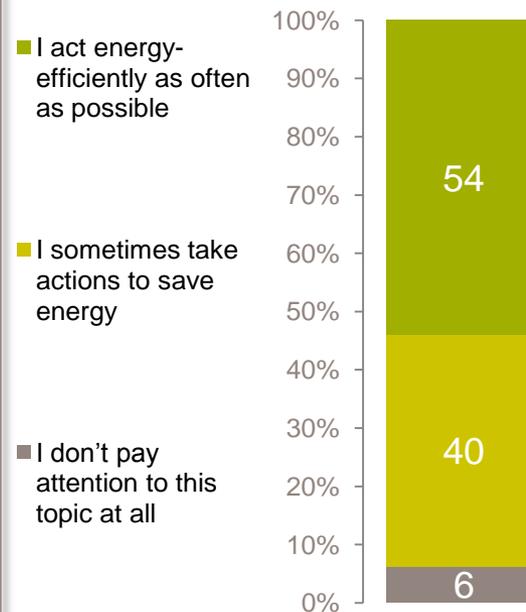
%

Base: All respondents, n=2055

Awareness about energy saving



Behaviour towards energy saving

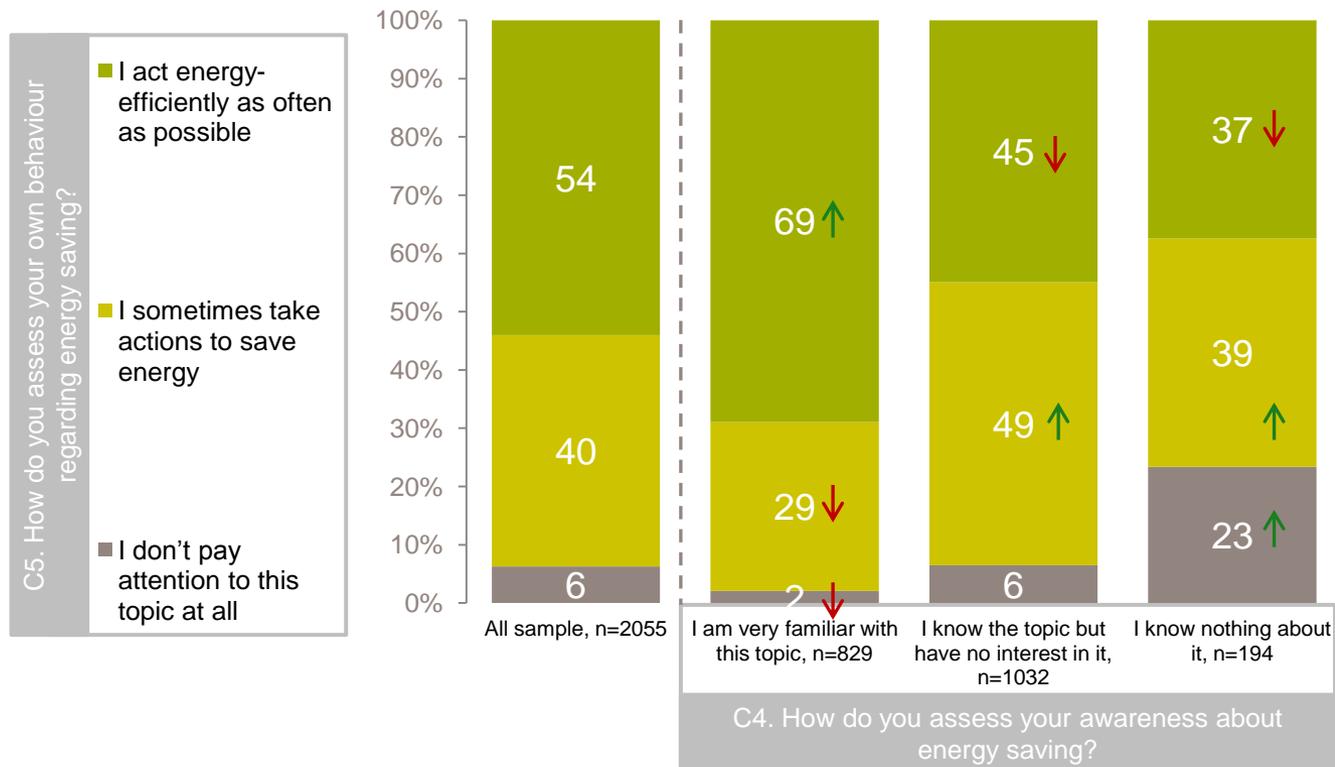


Energy saving: awareness in action

C4. How do you assess your awareness about energy saving?
 C5. How do you assess your own behavior regarding energy saving?

%

Base: All respondents, n=2055



Awareness about energy saving in details I

C4. How do you assess your awareness about energy saving?

Row %

Base: All respondents, see 'n' on the table

	N	I am very familiar with this topic	I know the topic but have no interest in it	I know nothing about it
All sample	2055	41	50	9
Country	Estonia	30 ↓	59 ↑	11
	Latvia	51 ↑	41 ↓	8
Gender	Male	43	48	9
	Female	39	51	10
Age	15 - 29	33 ↓	56 ↑	11
	30 - 49	40	51	8
	50 and older	47 ↑	44 ↓	9
Gender and age groups	Male 15 - 29	33 ↓	56 ↑	11
	Female 15 - 29	33 ↓	57 ↑	11
	Male 30 - 49	43	49	8
	Female 30 - 49	38	54	9
	Male 50 and older	51 ↑	40 ↓	9
	Female 50 and older	44	47	10

Awareness about energy saving in details II

C4. How do you assess your awareness about energy saving?

Row %

Base: All respondents, see 'n' on the table

	N	I am very familiar with this topic	I know the topic but have no interest in it	I know nothing about it	
All sample	2055	41	50	9	
Planning region in the Programme area	Riga	711	51 ↑	40 ↓	9
	Kurzeme	187	52 ↑	40 ↓	8
	Vidzeme	131	52 ↑	43	5
County in the Programme area	Hiiu county **	26	36	44	20
	Jõgeva county	79	36	59	5
	Lääne county	67	20 ↓	72 ↑	8
	Põlva county *	40	19 ↓	77 ↑	5
	Pärnu county	176	36	52	12
	Saare county	73	35	48	17
	Tartu county	338	30 ↓	59 ↑	11
	Valga county	68	28 ↓	62 ↑	10
	Viljandi county	86	29 ↓	63 ↑	8
	Võru county	73	24 ↓	61	15
Settlement type	Capital (only Latvia)	466	48 ↑	43 ↓	9
	Big city	436	40	50	10
	Other city	442	37	55 ↑	9
	Rural area	711	39	51	10

Energy efficient behavior in details I

C5. How do you assess your own behavior regarding energy saving?

Row %

Base: All respondents, see 'n' on the table

	N	I act towards saving energy as often as possible	I sometimes take actions to save energy	I don't pay attention to this topic at all
All sample	2055	54	40	6
Country	Estonia 1026	53	42	5 ↓
	Latvia 1029	55	37	8
Gender	Male 1049	50 ↓	41	9 ↑
	Female 1006	58 ↑	38	4 ↓
Age	15 - 29 624	32	60 ↑	8
	30 - 49 723	55	38	7
	50 and older 708	68 ↑	28 ↓	4 ↓
Gender and age groups	Male 15 - 29 325	31 ↓	57 ↑	12 ↑
	Female 15 - 29 299	32 ↓	62 ↑	5
	Male 30 - 49 367	50	40	10 ↑
	Female 30 - 49 356	61 ↑	36 ↓	3 ↓
	Male 50 and older 357	66 ↑	29 ↓	6
	Female 50 and older 351	70 ↑	26 ↓	4 ↓

Energy efficient behavior in details II

C5. How do you assess your own behavior regarding energy saving?

Row %

Base: All respondents, see 'n' on the table

	N	I act towards saving energy as often as possible	I sometimes take actions to save energy	I don't pay attention to this topic at all	
All sample	2055	54	40	6	
Planning region in the Programme area	Riga	711	54	37	9 ↑
	Kurzeme	187	58	36	6
	Vidzeme	131	57	37	6
County in the Programme area	Hiiu county **	26	56	40	4
	Jõgeva county	79	62	34	5
	Lääne county	67	56	38	6
	Põlva county *	40	50	44	5
	Pärnu county	176	52	44	4
	Saare county	73	50	45	5
	Tartu county	338	51	44	5
	Valga county	68	56	43	1
	Viljandi county	86	62	34	4
	Võru county	73	43	49	8
Settlement type	Capital (only Latvia)	466	52	39	9 ↑
	Big city	436	53	42	5
	Other city	442	51	43	6
	Rural area	711	57	37	6

Waste sorting

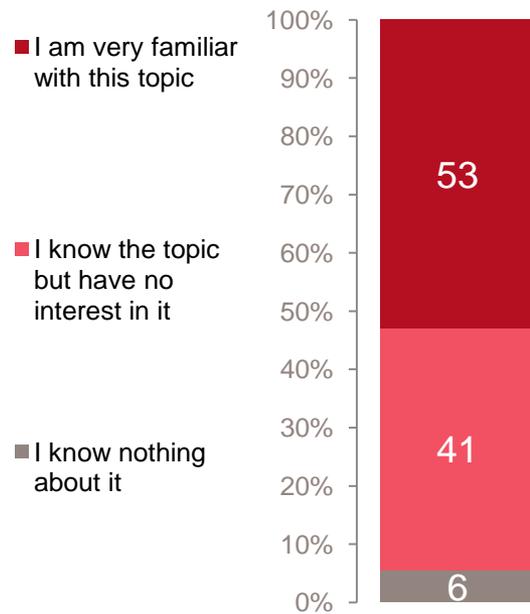
C6. How do you assess your awareness about sorting of waste?

C7. Are you sorting waste at home?

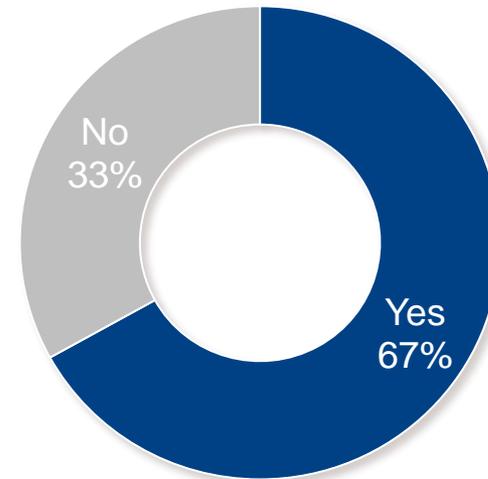
%

Base: All respondents, n=2055

Awareness about sorting of waste



Waste sorting in households



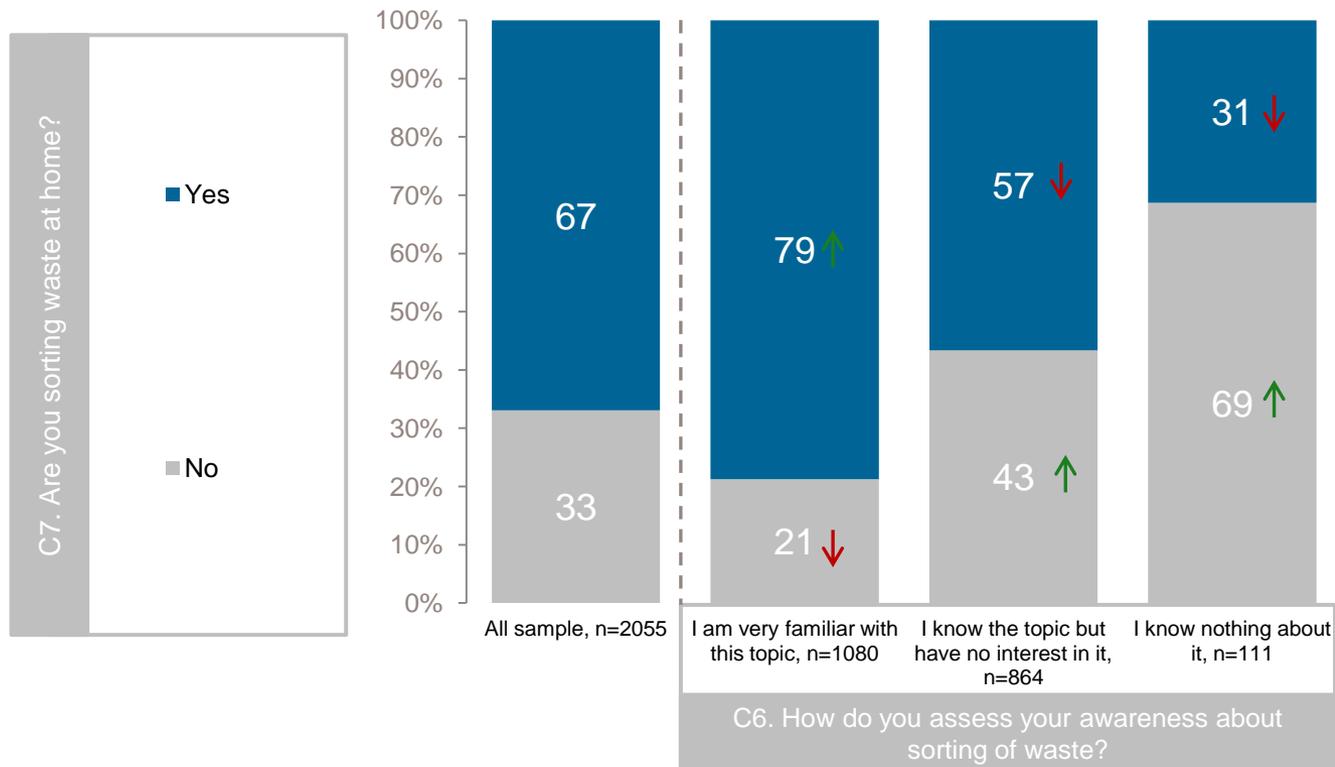
Waste sorting: awareness in action

C6. How do you assess your awareness about sorting of waste?

C7. Are you sorting waste at home?

%

Base: All respondents, n=2055



Awareness about waste sorting in details I

C6. How do you assess your awareness about sorting of waste?

Row %

Base: All respondents, see 'n' on the table

	N	I am very familiar with this topic	I know the topic but have no interest in it	I know nothing about it	
All sample	2055	53	41	6	
Country	Estonia	1026	50	46	4
	Latvia	1029	56	37	7
Gender	Male	1049	49	44	6
	Female	1006	56	39	5
Age	15 - 29	624	50	46	4
	30 - 49	723	54	41	5
	50 and older	708	54	38	8
Gender and age groups	Male 15 - 29	325	47	47	6
	Female 15 - 29	299	53	46	2
	Male 30 - 49	367	49	45	6
	Female 30 - 49	356	59	38	4
	Male 50 and older	357	51	41	8
	Female 50 and older	351	56	36	8

Awareness about waste sorting in details II

C6. How do you assess your awareness about sorting of waste?

Row %

Base: All respondents, see 'n' on the table

	N	I am very familiar with this topic	I know the topic but have no interest in it	I know nothing about it	
All sample	2055	53	41	6	
Planning region in the Programme area	Riga	711	55	37 ↓	8 ↑
	Kurzeme	187	56	37	6
	Vidzeme	131	61	36	4
County in the Programme area	Hiiu county **	26	51	49	
	Jõgeva county	79	45	50	5
	Lääne county	67	32 ↓	63 ↑	5
	Põlva county *	40	49	49	3
	Pärnu county	176	51	45	3
	Saare county	73	50	45	5
	Tartu county	338	55	41	4
	Valga county	68	51	43	6
	Viljandi county	86	45	55 ↑	
Võru county	73	50	43	7	
Settlement type	Capital (only Latvia)	466	52	38	10 ↑↓
	Big city	436	58	39	3 ↓
	Other city	442	52	45	4
	Rural area	711	52	43	5

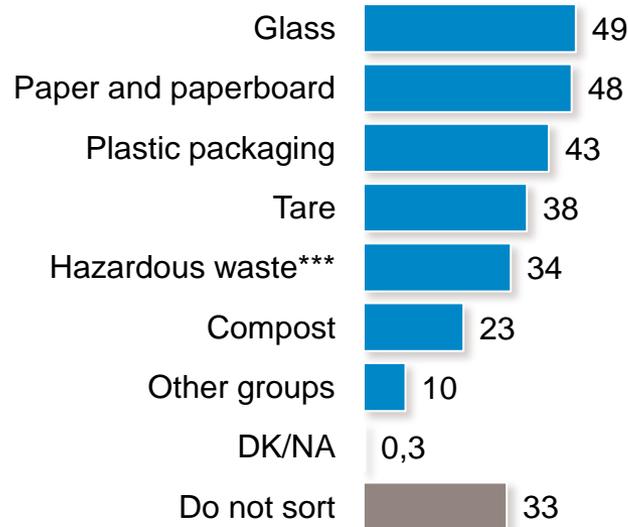
Waste sorting and waste groups

C7.1. Into what kind of groups do you sort your waste?***

%, ***Multiple answers possible, $\Sigma > 100\%$

Base: All respondents, n=2055

Waste groups for sorting



*Note: ***Hazardous waste (paints, household electronics, batteries etc.)*

Household waste sorting in details I

C7. Are you sorting waste at home?

Row %

Base: All respondents, see 'n' on the table

	N	Yes	No
All sample	2055	67	33
Country	Estonia	83 ↑	17 ↓
	Latvia	51 ↓	49 ↑
Gender	Male	63 ↓	37 ↑
	Female	71 ↑	29 ↓
Age	15 - 29	65	35
	30 - 49	66	34
	50 and older	69	31
Gender and age groups	Male 15 - 29	59 ↓	41 ↑
	Female 15 - 29	71	29
	Male 30 - 49	61 ↓	39 ↑
	Female 30 - 49	71	29
	Male 50 and older	68	32
	Female 50 and older	71	29

Household waste sorting in details II

C7. Are you sorting waste at home?

Row %

Base: All respondents, see 'n' on the table

	N	Yes	No
All sample	2055	67	33
Planning region in the Programme area	Riga	48 ↓	52 ↑
	Kurzeme	52 ↓	48 ↑
	Vidzeme	64	36
County in the Programme area	Hiiu county **	85 ↑	15 ↓
	Jõgeva county	85 ↑	15 ↓
	Lääne county	90 ↑	10 ↓
	Põlva county *	77	23
	Pärnu county	83 ↑	17 ↓
	Saare county	84 ↑	16 ↓
	Tartu county	82 ↑	18 ↓
	Valga county	92 ↑	8 ↓
	Viljandi county	74	26
	Võru county	89 ↑	11 ↓
Settlement type	Capital (only Latvia)	40 ↓	60 ↑
	Big city	72 ↑	28 ↓
	Other city	78 ↑	22 ↓
	Rural area	74 ↑	26 ↓

Waste groups for household sorting in details I

C7.1. Into what kind of groups do you sort your waste?

Row %, Multiple answers possible, $\Sigma > 100\%$

Base: All respondents, see 'n' on the table

	N	Glass	Paper and paperboard	Plastic packaging	Tare	Hazardous waste	Compost	Other groups	DK/NA	Do not sort
All sample	2055	49	48	43	38	34	23	10	0.3	33
Country	Estonia	60 ↑	65 ↑	48 ↑	64 ↑	43 ↑	30 ↑	15	0.3	17 ↓
	Latvia	38 ↓	31 ↓	38 ↓	12 ↓	25 ↓	16 ↓	4	0.4	49 ↑
Gender	Male	45 ↓	42 ↓	38 ↓	35	33	19 ↓	9	0.5	37 ↑
	Female	53 ↑	53 ↑	47 ↑	40	35	26 ↑	10	0.2	29 ↓
Age	15 - 29	49	44 ↓	37 ↓	39	36	19 ↓	8	0.5	35
	30 - 49	48	49	44	37	34	24	11	0.2	34
	50 and older	50	50	46	38	33	26	10	0.3	31
Gender and age groups	Male 15 - 29	43 ↓	38 ↓	31 ↓	37	35	14 ↓	7	1	41 ↑
	Female 15 - 29	54	50	43	42	37	23	8		29
	Male 30 - 49	42 ↓	41 ↓	39	34	33	18 ↓	10	1	39 ↑
	Female 30 - 49	53	57 ↑	49 ↑	39	35	29 ↑	12		29
	Male 50 and older	48	47	42	35	31	25	10		32
	Female 50 and older	52	52	48 ↑	40	34	26	9	1	29

Waste groups for household sorting in details II

C7.1. Into what kind of groups do you sort your waste?

Row %, Multiple answers possible, $\Sigma > 100\%$

Base: All respondents, see 'n' on the table

	N	Glass	Paper and paperboard	Plastic packaging	Tare	Hazardous waste	Compost	Other groups	DK/NA	Do not sort	
All sample	2055	49	48	43	38	34	23	10	0.3	33	
Planning region in the Programme area	Riga	711	34 ↓	29 ↓	35 ↓	11 ↓	25 ↓	14 ↓	4 ↓	0.4	52 ↑
	Kurzeme	187	39 ↓	30 ↓	36 ↑	11 ↓	24 ↓	19 ↓	4 ↓	1	48 ↑
	Vidzeme	131	52	42	52 ↑	19 ↓	28	24	8		36
County in the Programme area	Hiiu county **	26	67	68 ↑	55	78 ↑	50	36	12		15
	Jõgeva county	79	67 ↑	69 ↑	62 ↑	61 ↑	44	32	18 ↑		15 ↓
	Lääne county	67	67 ↑	71 ↑	54	67 ↑	43	37 ↑	12	3	10 ↓
	Põlva county *	40	52	57	47	65 ↑	49	27	17		23
	Pärnu county	176	66 ↑	72 ↑	45	69 ↑	47 ↑	33 ↑	13		17 ↓
	Saare county	73	62 ↑	58	52	75 ↑	55 ↑	36 ↑	10		16 ↓
	Tartu county	338	58 ↑	67 ↑	46	57 ↑	36	23	18 ↑		18 ↓
	Valga county	68	65 ↑	64 ↑	53	73 ↑	47 ↑	34	17		8 ↓
	Viljandi county	86	47	56	44	56 ↑	33	31	7	1	26
	Võru county	73	63 ↑	62 ↑	42	66 ↑	56 ↑	33	18		11 ↓
Settlement type	Capital (only Latvia)	466	28 ↓	26 ↓	29 ↓	9 ↓	23 ↓	10 ↓	3 ↓	0.2	60 ↑
	Big city	436	50	55 ↑	42	47 ↑	32	17 ↓	10	0.2	28 ↓
	Other city	442	60	57 ↑	51 ↑	47 ↑	40 ↑	23	8	0.5	22 ↓
	Rural area	711	55 ↑	52 ↑	47 ↑	44 ↑	38 ↑	34 ↑	15 ↑	0.4	26 ↓

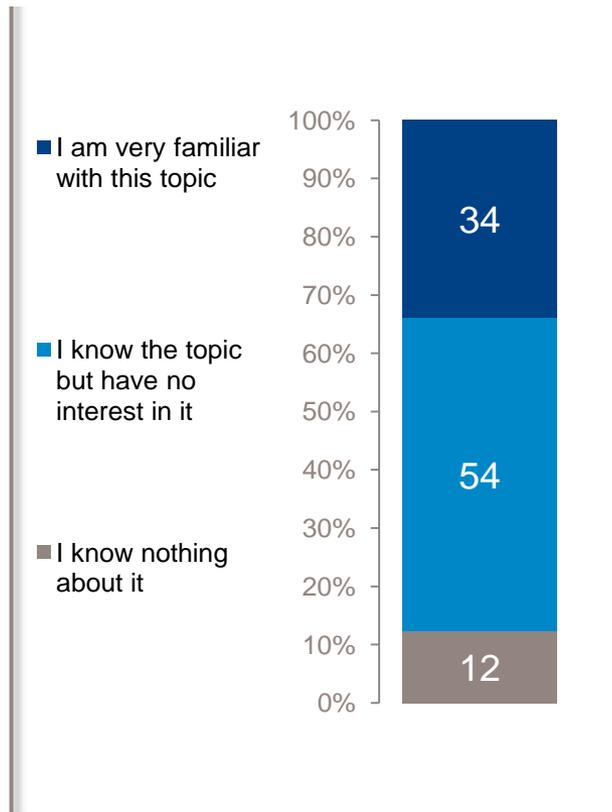
Recycling: awareness and behavior.

C8. How do you assess your awareness about recycling?
 C9. How do you assess your own behavior about recycling?

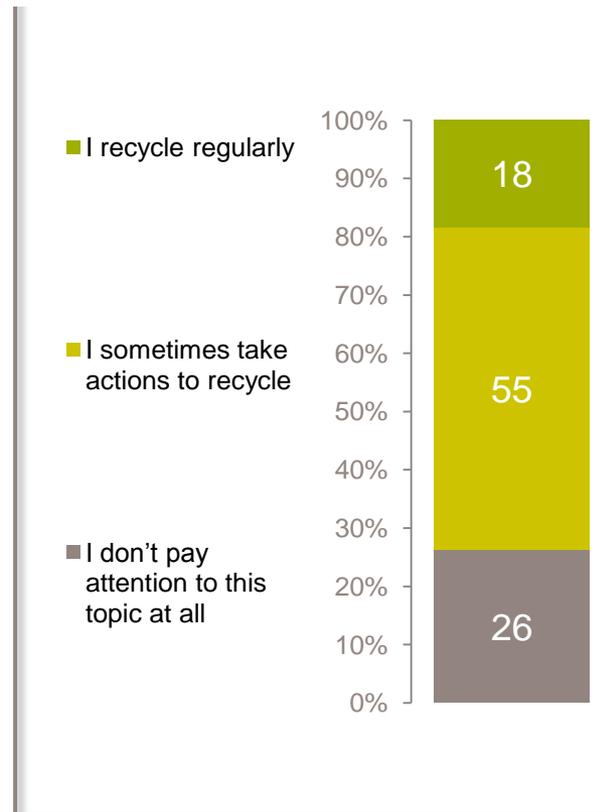
%

Base: All respondents, n=2055

Awareness about recycling



Behaviour about recycling

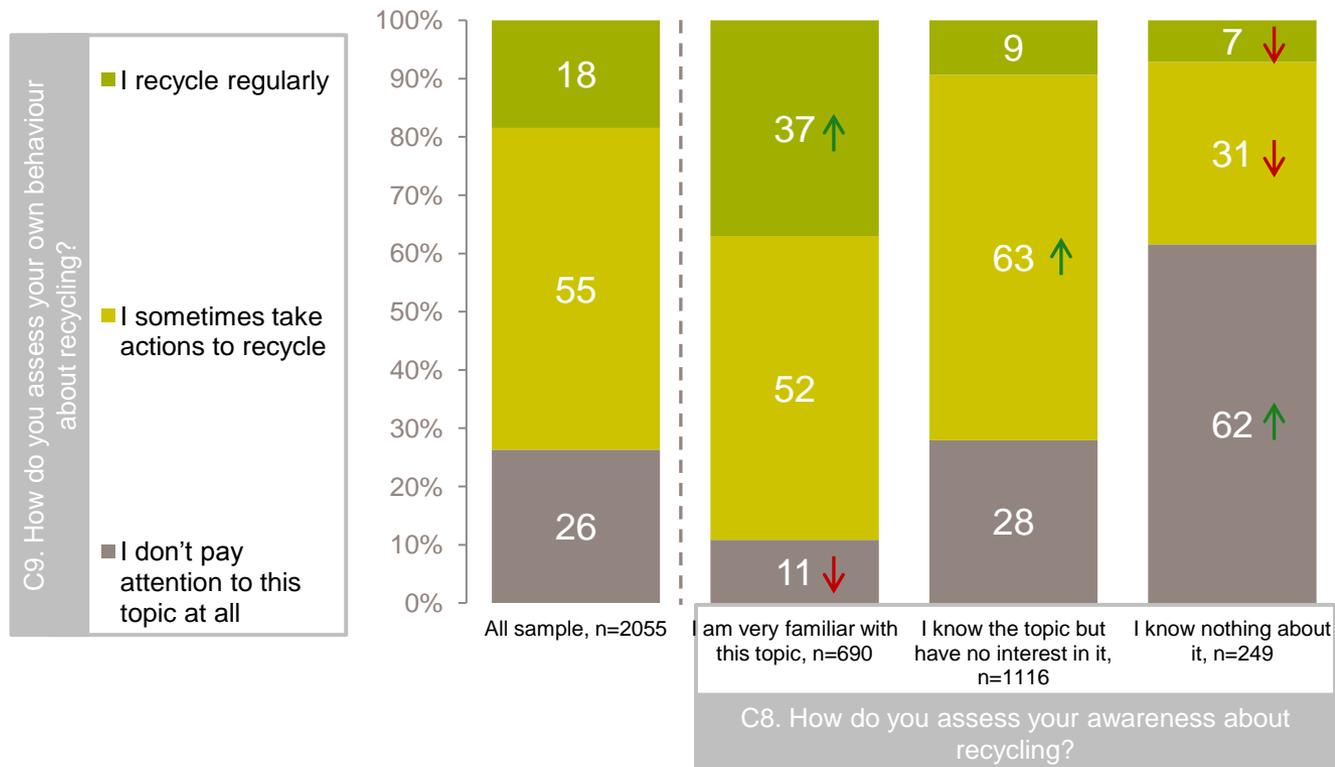


Recycling: awareness in action.

C8. How do you assess your awareness about recycling?
 C9. How do you assess your own behavior about recycling?

%

Base: All respondents, n=2055



Awareness about recycling in details I

C8. How do you assess your awareness about recycling?

Row %

Base: All respondents, see 'n' on the table

	N	I am very familiar with this topic	I know the topic but have no interest in it	I know nothing about it
All sample	2055	34	54	12
Country				
Estonia	1026	37 	56	6 
Latvia	1029	30 	51	18 
Gender				
Male	1049	32	56	12
Female	1006	35	52	13
Age				
15 - 29	624	31	57	11
30 - 49	723	34	55	11
50 and older	708	36	50	14
Gender and age groups				
Male 15 - 29	325	28 	58	14
Female 15 - 29	299	34	57	9
Male 30 - 49	367	32	58	10
Female 30 - 49	356	36	52	12
Male 50 and older	357	36	53	12
Female 50 and older	351	36	49	16

Awareness about recycling in details II

C8. How do you assess your awareness about recycling?

Row %

Base: All respondents, see 'n' on the table

	N	I am very familiar with this topic	I know the topic but have no interest in it	I know nothing about it
All sample	2055	34	54	12
Planning region in the Programme area	Riga	711 30 ↓	50 ↓	20
	Kurzeme	187 30	57	13
	Vidzeme	131 34	53	14
County in the Programme area	Hiiu county **	26 36	60	4
	Jõgeva county	79 37	59 ↑	4 ↓
	Lääne county	67 19 ↓	76 ↑	5
	Põlva county *	40 34	63	3
	Pärnu county	176 41	52	7 ↓
	Saare county	73 36	56	8
	Tartu county	338 42 ↑	50	8 ↓
	Valga county	68 34	61	4 ↓
	Viljandi county	86 33	62	5 ↓
Võru county	73 32	60	8	
Settlement type	Capital (only Latvia)	466 29 ↓	50	22 ↑
	Big city	436 39 ↑	51	9
	Other city	442 32	59 ↑	9 ↓
	Rural area	711 35	55	10

Recycling behavior in details I

C9. How do you assess your own behavior about recycling?

Row %

Base: All respondents, see 'n' on the table

	N	I recycle regularly	I sometimes take actions to recycle	I don't pay attention to this topic at all
All sample	2055	18	55	26
Country	Estonia 1026	25 ↑	66 ↑	10 ↓
	Latvia 1029	12 ↓	45 ↓	43 ↑
Gender	Male 1049	16 ↓	56	28
	Female 1006	21	54	25
Age	15 - 29 624	15 ↓	59 ↑	26
	30 - 49 723	18	54	28
	50 and older 708	21	53	25
Gender and age groups	Male 15 - 29 325	10 ↓	60	29
	Female 15 - 29 299	19	58	22
	Male 30 - 49 367	15	54	31
	Female 30 - 49 356	21	55	25
	Male 50 and older 357	21	56	24
Female 50 and older 351	22	51	27	

Recycling behavior in details II

C9. How do you assess your own behavior about recycling?

Row %

Base: All respondents, see 'n' on the table

	N	I recycle regularly	I sometimes take actions to recycle	I don't pay attention to this topic at all
All sample	2055	18	55	26
Planning region in the Programme area	Riga	711 12 ↓	43 ↓	45 ↑
	Kurzeme	187 12 ↓	46 ↓	42 ↑
	Vidzeme	131 15	52	33
County in the Programme area	Hiiu county **	26 11	70	19
	Jõgeva county	79 23	67 ↑	10 ↓
	Lääne county	67 22	64	14 ↓
	Põlva county *	40 17	74 ↑	8 ↓
	Pärnu county	176 25 ↑	64 ↑	11 ↓
	Saare county	73 23	69 ↑	8 ↓
	Tartu county	338 28 ↑	63 ↑	9 ↓
	Valga county	68 26	65	9 ↓
	Viljandi county	86 23	66	11 ↓
	Võru county	73 23	68 ↑	8 ↓
Settlement type	Capital (only Latvia)	466 11 ↓	43 ↓	47 ↑
	Big city	436 23 ↑	57	20 ↓
	Other city	442 19	64 ↑	17 ↓
	Rural area	711 20	57	23 ↓

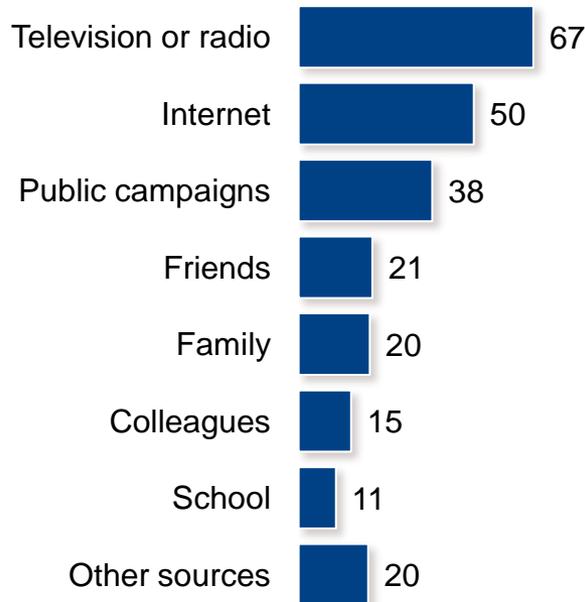
Recycling and energy saving information sources

C10. Where have you found information about recycling?

C11. Where have you found information about energy saving?

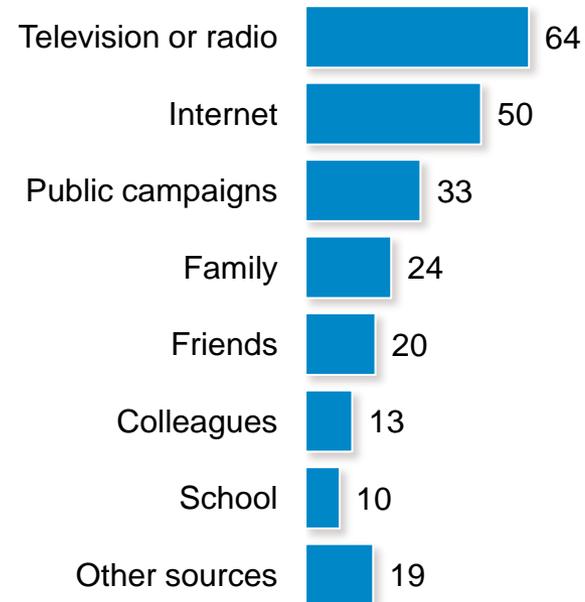
%, Multiple answers possible, $\Sigma > 100\%$

Information about recycling



Base: Those who know something about recycling, n=1806

Information about energy saving



Base: Those who know something about energy saving, n=1861

Recycling information sources in details I

C10. Where have you found information about recycling?

Row %, Multiple answers possible, $\Sigma > 100\%$

Base: Those who know something about recycling, see 'n' on the table

	N	Television or radio	Internet	Public campaigns	Friends	Family	Colleagues	School	Other sources	
All sample	1806	67	50	38	21	20	15	11	20	
Country	Estonia	960	70	53	48	27	28	15	11	19
	Latvia	846	64	47	27	14	12	15	10	20
Gender	Male	926	65	48	36	20	17	15	10	20
	Female	880	69	52	41	22	23	15	11	20
Age	15 - 29	550	56	67	33	25	27	14	26	11
	30 - 49	646	67	57	40	20	20	17	7	19
	50 and older	610	75	32	41	19	16	13	3	27
Gender and age groups	Male 15 - 29	280	55	64	32	23	21	9	25	13
	Female 15 - 29	270	57	69	33	27	33	19	27	9
	Male 30 - 49	332	66	49	35	17	16	15	4	19
	Female 30 - 49	314	68	65	45	23	23	20	10	20
	Male 50 and older	314	73	35	39	20	16	19	5	27
	Female 50 and older	296	77	29	42	19	16	9	2	26

Recycling information sources in details II

C10. Where have you found information about recycling?

Row %, Multiple answers possible, $\Sigma > 100\%$

Base: Those who know something about recycling, see 'n' on the table

	N	Television or radio	Internet	Public campaigns	Friends	Family	Colleagues	School	Other sources	
All sample	1806	67	50	38	21	20	15	11	20	
Planning region in the Programme area	Rīga	569	64	48	27 ↓	15 ↓	11 ↓	15	9	19
	Kurzeme	164	64	40 ↓	27 ↓	9 ↓	8 ↓	12	9	24
	Vidzeme	113	66	50	28 ↓	17	19	17	13	21
County in the Programme area	Hiiu county **	25	68	50	53 ↑	40	40 ↑	18	7	30
	Jõgeva county	76	72	49	54 ↑	29	20	16	5	20
	Lääne county	64	77	42	53 ↑	22	25	17	16	21
	Põlva county *	39	63	52	57 ↑	39 ↑	42 ↑	27	12	24
	Pärnu county	163	72	49	46 ↑	28	28 ↑	13	8	22
	Saare county	67	81 ↑	51	53 ↑	29	33 ↑	18	12	16
	Tartu county	312	65	60 ↑	47 ↑	24	27 ↑	13	13	15 ↓
	Valga county	65	74	61	34	34 ↑	30	14	10	20
	Viljandi county	82	69	50	46	26	29	13	13	26
Võru county	67	73	46	51 ↑	23	19	16	13	18	
Settlement type	Capital (only Latvia)	368	61 ↓	49	25 ↓	16 ↓	10 ↓	16	9	18
	Big city	397	65	57 ↑	43 ↑	21	22	12	10	18
	Other city	403	69	51	40	21	23	15	10	21
	Rural area	638	71 ↑	46 ↓	41	24	23	16	12	21

Energy saving information sources in details I

C11. Where have you found information about energy saving?

Row %, Multiple answers possible, $\Sigma > 100\%$

Base: Those who know something about energy saving, see 'n' on the table

	N	Television or radio	Internet	Public campaigns	Family	Friends	Colleagues	School	Other sources	
All sample	1861	64	50	33	24	20	13	10	19	
Country	Estonia	915	67	55	40	26	24	14	10	17
	Latvia	946	61	46	26	23	17	13	9	21
Gender	Male	951	61	50	30	21	19	14	9	19
	Female	910	67	51	36	28	21	13	10	19
Age	15 - 29	558	50	68	26	31	24	13	22	10
	30 - 49	662	64	59	37	24	20	17	8	19
	50 and older	641	72	30	34	21	17	11	3	25
Gender and age groups	Male 15 - 29	290	48	67	26	24	22	11	23	11
	Female 15 - 29	268	53	69	27	38	27	14	22	9
	Male 30 - 49	336	62	53	28	20	17	15	5	18
	Female 30 - 49	326	67	64	45	27	22	19	11	20
	Male 50 and older	325	70	32	34	20	18	16	3	28
	Female 50 and older	316	74	28	34	22	16	7	3	24

Energy saving information sources in details II

C11. Where have you found information about energy saving?

Row %, Multiple answers possible, $\Sigma > 100\%$

Base: Those who know something about energy saving, see 'n' on the table

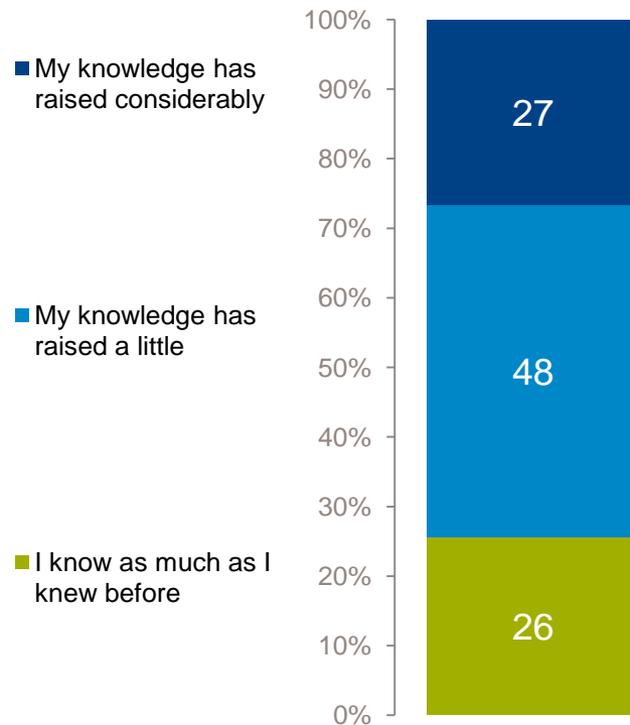
	N	Television or radio	Internet	Public campaigns	Family	Friends	Colleagues	School	Other sources	
All sample	1861	64	50	33	24	20	13	10	19	
Planning region in the Programme area	Rīga	648	59 ↓	47	27 ↓	22	16 ↓	13	8	21
	Kurzeme	174	65	40 ↓	27	22	17	12	11	25
	Vidzeme	124	63	50	23 ↓	27	17	13	12	21
County in the Programme area	Hiiu county **	21	61	44	39	29	27	27	5	36
	Jõgeva county	75	73	44	44 ↑	24	27	12	5	11
	Lääne county	62	72	53	43	24	29	18	18	14
	Põlva county *	38	53	54	39	35	34	25	10	31
	Pärnu county	155	69	51	42 ↑	29	23	14	7	21
	Saare county	60	72	59	46 ↑	36	33 ↑	18	11	8 ↓
	Tartu county	301	65	63 ↑	37	25	20	12	13	12 ↓
	Valga county	61	70	67 ↑	34	31	31	17	10	25
	Viljandi county	80	63	45	42	19	21	9	9	23
Võru county	62	75	40	34	17	14	11	9	14	
Settlement type	Capital (only Latvia)	424	57 ↓	49	24 ↓	20 ↓	17	13	9	19
	Big city	392	62	58 ↑	36	25	18	12	10	17
	Other city	403	64	51	35	25	21	17	9	20
	Rural area	642	69 ↑	46 ↓	35	27	22	13	11	20

Current level of awareness compared to past knowledge

C12. How would you assess your awareness on above issues compared to past knowledge (4 years ago)?

%

Base: All respondents, n=2055



Current level of awareness compared to past knowledge in details I

C12. How would you assess your awareness on above issues compared to past knowledge (4 years ago)?

Row %

Base: All respondents, see 'n' on the table

	N	My knowledge has raised considerably	My knowledge has raised a little	I know as much as I knew before
All sample	2055	27	48	26
Country	Estonia 1026	28	51 	21 
	Latvia 1029	25	44 	31 
Gender	Male 1049	25	48	27
	Female 1006	28	48	24
Age	15 - 29 624	29	53 	18 
	30 - 49 723	27	49	23
	50 and older 708	24	43 	33 
Gender and age groups	Male 15 - 29 325	26	52	22
	Female 15 - 29 299	32 	53	14 
	Male 30 - 49 367	26	49	25
	Female 30 - 49 356	28	50	22
	Male 50 and older 357	23	43	34 
Female 50 and older 351	25	43	32 	

Current level of awareness compared to past knowledge in details II

C12. How would you assess your awareness on above issues compared to past knowledge (4 years ago)?

Row %

Base: All respondents, see 'n' on the table

	N	My knowledge has raised considerably	My knowledge has raised a little	I know as much as I knew before	
All sample	2055	27	48	26	
Planning region in the Programme area	Riga	711	24	44	32 ↑
	Kurzeme	187	23	47	30
	Vidzeme	131	34	39	26
County in the Programme area	Hiiu county **	26	17	54	29
	Jõgeva county	79	33	47	19
	Lääne county	67	22	52	26
	Põlva county *	40	28	51	21
	Pärnu county	176	26	52	22
	Saare county	73	18	65 ↑	17
	Tartu county	338	30	51	19 ↓
	Valga county	68	33	52	15 ↓
	Viljandi county	86	24	46	29
	Võru county	73	36	49	15 ↓
Settlement type	Capital (only Latvia)	466	23	44	32 ↑
	Big city	436	27	51	22
	Other city	442	27	48	25
	Rural area	711	28	48	24

Indicator 4. Cooperation intensity between institutions on management of water bodies and coastal areas

Sample description I

	<i>All respondents</i>	Count
Country	Estonia	12
	Latvia	10
Company name	Association of Latvia's Coastal Local Authorities (member of LALRG)	1
	Environmental Board of Hiiu-Lääne-Saare region	1
	Environmental Board of Põlva, Valga, Võru region	1
	Hiiu County Government	1
	Kurzeme Planning Region	1
	Lääne County Government	1
	Latvian Environment, Geology and Meteorology Centre Administrative department	1
	Latvian Institute of Aquatic Ecology Administration	1
	Maritime Administration of Latvia Maritime Safety Department	1
	Ministry of Agriculture	1
	Ministry of Agriculture - field of fishery	1
	Ministry of Economic Affairs and Communications	1
	Ministry of Environmental Protection and Regional Development	1
	Ministry of the Environment	1
	MTÜ Eesti Väikesadamate Arenduskeskus / Estonian Small Harbours' Development Centre NGO	1
	MTÜ Liivi Lahe Kalanduskogu / Fishery Board of Riga Bay	1
	Pärnu County Government	1
	Police and Border Guard Board	1
	Riga Planning Region	1
	Saare County Government	1
	State Border Guard	1
	State Environmental Service	1

Sample description II

		Count
	<i>All respondents</i>	22
Department	Authority of Marine Environment	1
	Aviation and Maritime Department	1
	Bureau of Maritime Security	1
	Development and Planning Department	3
	Division of Water Resources, Department of Environmental Protection	1
	Division of Fishing Management and Fish Resource	1
	Estonian Small Harbors' Development Center	1
	Fisheries Information Division	1
	Hiiu, Lääne, Saare Environment Agency region	1
	Inland Waters Control Division	1
	Kurzeme Planning Region	1
	Lääne county Development Center	1
	Latvian Association of Local and Regional Governments	1
	Marine monitoring	1
	Maritime Safety Department	1
	Ministry of Agriculture, Fishing Industry department	1
	NGO Gulf of Riga fishery	1
	Region	1
	Spatial Planning Policy Division	1
	State Border Guard, National Coordination Centre	1
Position	Adviser	1
	Chief Executive Officer	1
	Expert	1
	Head of Department	10
	Leading Coordinator	1
	Manager	1
	Manager/ director/ chief/ head	2
	Member of the Board	1
	Regional Manager	2
	Researcher	1
Senior Desk Officer	1	

Summary I.

Almost 1/3 of authorities indicated that they have colleagues working on management of water bodies and coastal areas in Latvia/Estonia and 14 out of 16 know their colleagues from the related fields and have met them in person. They have also carried out joint cross-border cooperation with Latvian/Estonian organizations on management of water bodies and coastal areas.

7 authorities out of 16 indicated that the length of such cooperation is up to 2 years and 5 have cooperated more than 10 years.

Respondents mentioned such purposes for cooperation as communication of information, common projects, experience exchange, planning and development, as well as joint work on protection of natural territories and problem solving. The main reason for absence of cooperation was lack of framework for the respective projects and administrative issues. However, 5 institutions out of 4 are interested in joint cross-border cooperation with Latvian/Estonian organizations on management of water bodies and coastal areas and are planning to carry out cooperation in future.

Current intensity of cooperation was evaluated rather than limited – 10 respondents out of 22 said that they rather have no meetings and no experience exchange. 4 organizations indicated that cooperation is missing at all and 8 – that they cooperate with their cross-border colleagues regularly.

According to the results, 17 organizations out of 22 are interested in regular cooperation which includes such important aspects as regular information exchange, meetings, experience exchange trips or joint trainings.

Cooperation between institutions on management of water bodies and coastal areas

D2. Do you have colleagues or partners dealing with a similar topic on Estonian/Latvian side?

D2.1 Do you know these persons?

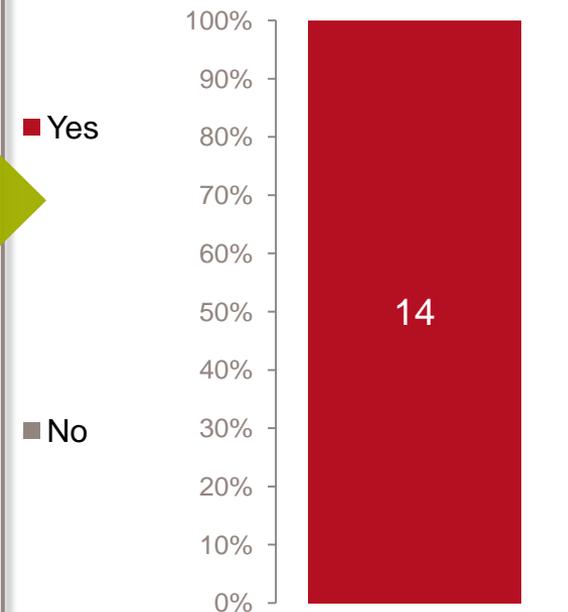
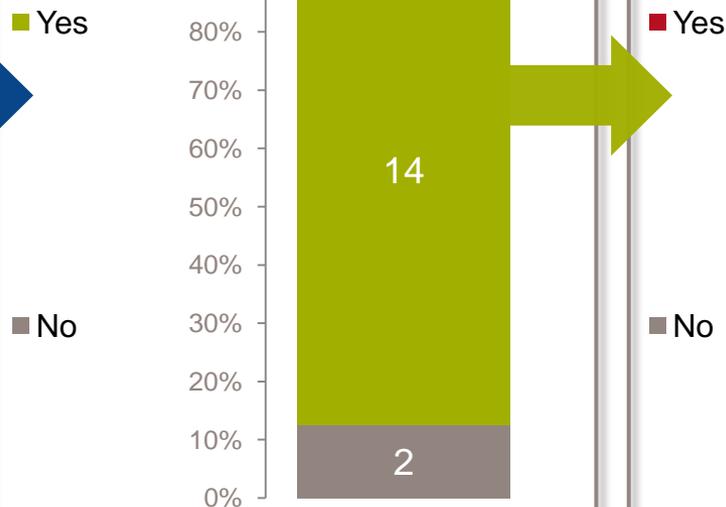
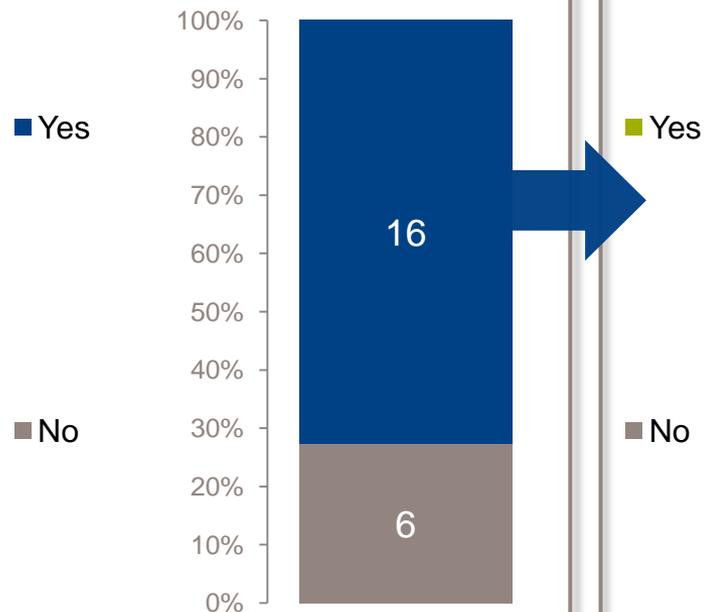
D2.2 Have you met with these persons?

Count

D2

D2.1

D2.2



Base: All respondents, n=22

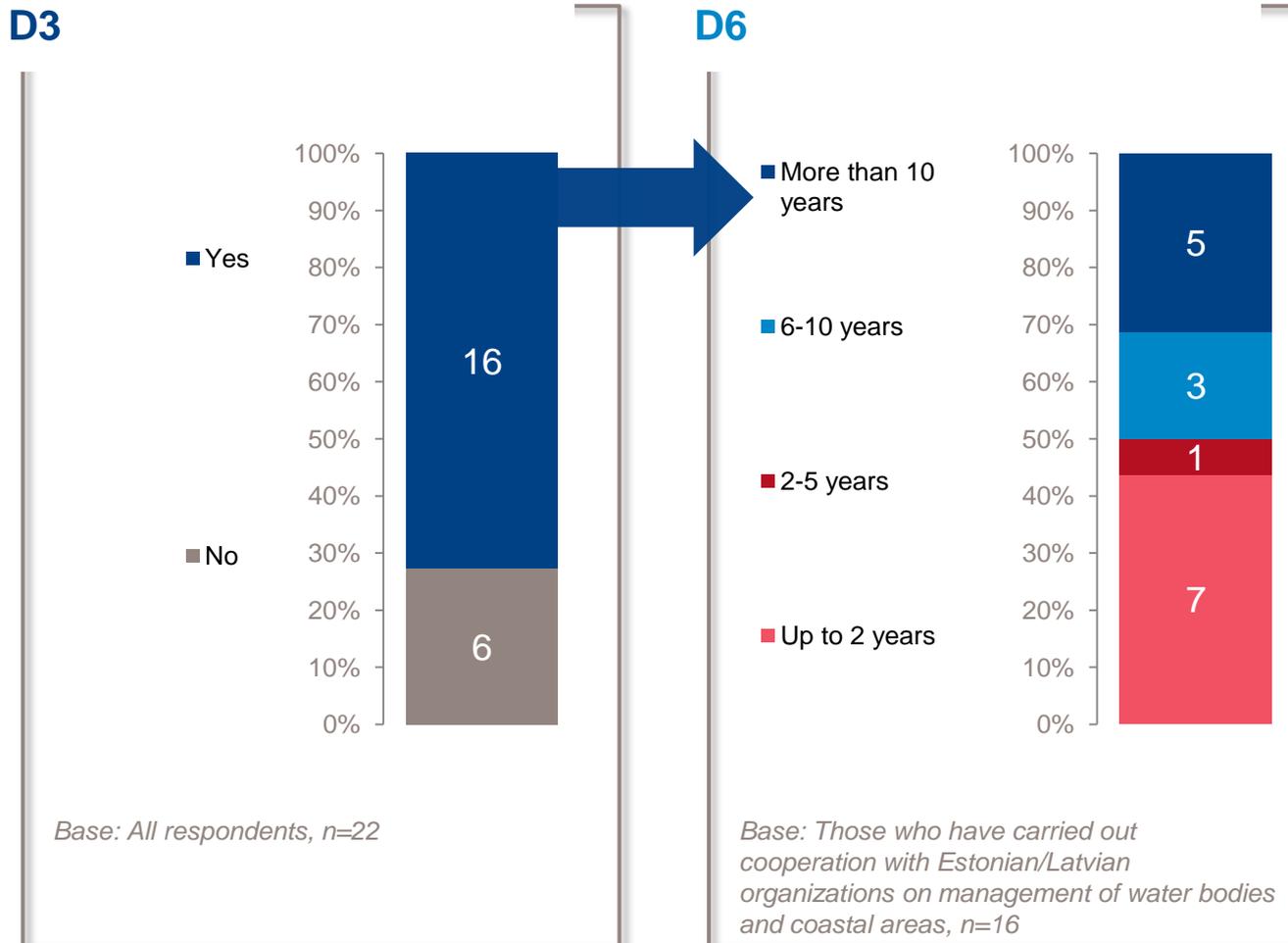
Base: Those who have colleagues or partners dealing with a similar topic on Estonian/Latvian side, n=16

Base: Those who know colleagues or partners dealing with a similar topic on Estonian/Latvian side, n=12

Length of cooperation between institutions on management of water bodies and coastal areas

D3. Have you carried out cooperation with Estonian/Latvian organizations on management of water bodies and coastal areas?
 D6. For how long have you cooperated?

%



Ways of cooperation and main purposes

D4. What kind of cooperation have you carried out?

D5. What has been its main purpose?

Count, Multiple answers possible, $\Sigma > 100\%$

Base: Those who have carried out cooperation with Estonian/Latvian organizations on management of water bodies and coastal areas, n=16

- Communication of information
- Cooperation projects, coordination of river basin management plans, coordination of monitoring
 - Cooperation with RiverWay
- Exchange of experience, education, data exchange, harmonization, realization of joint projects, implementation of many things
 - Exchange of information and joint control
 - Ges Reg project
 - In relation with the Gulf of Riga
 - Koiva basin's plan development
 - Pärnu marine area planning
 - Regional, marine area and coastal tourism planning
 - Rescue area for maritime border control
 - Seminars about coastal erosion issues
- The drafting of laws and regulations related to maritime safety and the prevention of environmental pollution from ships
- We have informed Estonians, that their ships have operated in the Gulf of Riga
 - Within the projects



- About industrial fishing in the Gulf of Riga
- Cross-border collections to be managed, not to pollute each other, to know how it works in another area
 - Daily exchange of information
- Development of joint management plan, ideas, harmonization of different methods of measurement, mutual calibration, common view of management, recommendations, tips
- Each side had its own goals. The goal of Estonia was the development of the Gulf of Pärnu spatial planning. Ours was to develop coastal nature protection plan for two specially protected nature territories.
 - Examine the problem of coastal erosion and how to prevent this erosion
 - Marine area planning
 - Practice, reaction on events
 - Problem description
 - Promotion of tourism
 - Sharing experience
- Submit proposals to international institutions about the prevention of pollution from ships and about maritime safety (primary)
 - The creation of the joint maritime surveillance in the Baltic Sea
- To ensure the compliance with the law and to provide concrete fact-finding, to improve the compliance with the law



Reasons for non-cooperation and consideration in future

D7. What have been the main reasons for not carrying out cooperation?***

D8. Are you interested in cooperation with Estonian/Latvian organizations on management of water bodies and coastal areas?

D9. Are you planning to carry out cooperation in future?

Count, ***Multiple answers possible, $\Sigma > 100\%$

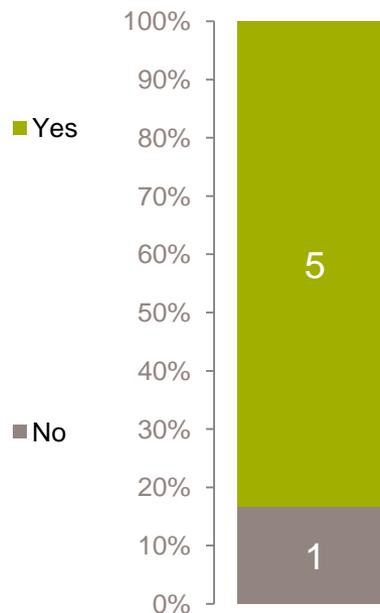
Base: Those who have not carried out cooperation with Estonian/Latvian organizations on management of water bodies and coastal areas, n=6

D7

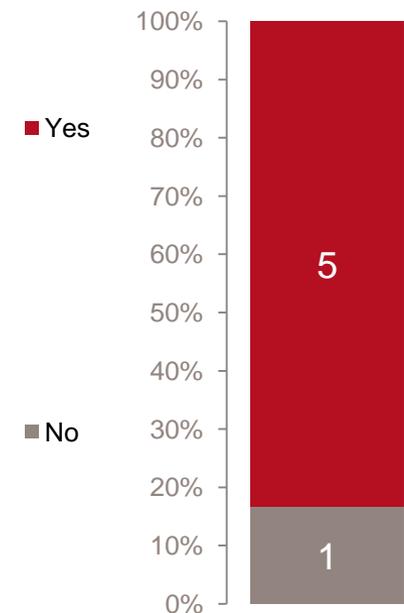
- Administrative reforms from both sides of the border
 - It is not within our competence directly
 - Not the right partner to participate in the Programme
- The lack of a framework for the respective projects
- There are no contacts at the present moment and no actual need for them
 - Do not know



D8



D9



Cooperation intensity: actual vs. desired

D10. How would you assess the cooperation intensity with Estonian/Latvian institutions on management of water bodies and coastal areas at the moment?

D11. What could be the ideal cooperation intensity with Estonian/Latvian institutions on management of water bodies and coastal areas at the moment?

Count

Base: All respondents, n=22

D10

- Regular cooperation, including regular information exchange, regular meetings and experience exchange trips or joint trainings every now and then
- Very limited cooperation, including hectic information exchange, no meetings and no experience exchange trips/joint trainings
- No cooperation



The ideal cooperation intensity



Appendix

Appendix. Description of methodology I.

Indicator no 1.

Sample size: 500 respondents

Target group: entrepreneurs, who have been registered less than three years ago in The Programme area that consists of Hiiu, Jõgeva, Lääne, Põlva, Pärnu, Saare, Tartu, Valga, Viljandi and Võru counties in Estonia and Kurzeme, Pierīga, Rīga and Vidzeme. “Individuālie komersanti”/ “füüsilisest isikust ettevõtjad”; retail, wholesale, real estate or insurance businesses are excluded.

Sampling method: stratified random sample, stratified by countries and counties or planning regions as follows:

Estonia 250

Latvia 250

Each county in the Programme area

(Hiiu, Saare, Lääne, Pärnu, Viljandi, Tartu, Jõgeva, Valga, Võru, Põlva)

Proportionally to the total number of qualifying entrepreneurs of these 10 counties

Each planning region in the Programme area

(Kurzeme, Vidzeme, Rīga)

Proportionally to the total number of qualifying entrepreneurs of these 3 planning regions

Each city (republikas pilsēta) or municipality (novads) in the abovementioned planning regions

Proportionally to the total number of qualifying entrepreneurs of these 3 planning regions

Random selection of sampling unit within strata will be performed to avoid respondent selection biases.
Sample source: Register of Enterprises (accessed by Lursoft) for Latvia. Business register for Estonia.

Appendix. Description of methodology II.

Indicator no 2.

Sample size: 500 respondents

Target group: entrepreneurs in The Programme area that consists of Hiiu, Jõgeva, Lääne, Põlva, Pärnu, Saare, Tartu, Valga, Viljandi and Võru counties in Estonia and Kurzeme, Pierīga, Rīga and Vidzeme. “Individuālie komersanti”/ “füüsilisest isikust ettevõtjad”; retail, wholesale, real estate or insurance businesses are excluded. Up to 25% of the respondents both in Latvia and Estonia of the questionnaire for the indicator nr. 1 might have answered also the questionnaire for the indicator nr. 2

Sampling method: stratified random sample, stratified by countries and counties or planning regions as follows:

Estonia 250

Latvia 250

Each county in the Programme area

(Hiiu, Saare, Lääne, Pärnu, Viljandi, Tartu, Jõgeva, Valga, Võru, Põlva)

Proportionally to the total number of qualifying entrepreneurs of these 10 counties

Each planning region in the Programme area

(Kurzeme, Vidzeme, Rīga)

Proportionally to the total number of qualifying entrepreneurs of these 3 planning regions

Each city (republikas pilsēta) or municipality (novads) in the abovementioned planning regions

Proportionally to the total number of qualifying entrepreneurs of these 3 planning regions.

Random selection of sampling unit within strata will be performed to avoid respondent selection biases.

Sample source: Register of Enterprises (accessed by Lursoft) for Latvia. Business register for Estonia.

Appendix. Description of methodology III.

Indicator no 3.

Sample size: 2000 respondents

Target group: Population in age from 15 years and above, inhabitants of The Programme area that consists of Hiiu, Jõgeva, Lääne, Põlva, Pärnu, Saare, Tartu, Valga, Viljandi and Võru counties in Estonia and Kurzeme, Pierīga, Rīga and Vidzeme.

Sampling method: stratified random sample, representing both countries, counties or planning regions, genders and age groups (15-29, 30-49, 50 and older).

Estonia 1000

Latvia 1000

Each gender and age group (e.g. females 30-49 years of age): 166-167

Each county in the Programme area

(Hiiu, Saare, Lääne, Pärnu, Viljandi, Tartu, Jõgeva, Valga, Võru, Põlva)

Proportional share of gender and age group of the total population of respective gender and age group in these 10 counties.

Each planning region in the Programme area

(Kurzeme, Vidzeme, Rīga)

Proportional share of gender and age group of the total population of respective gender and age group in these 3 regions.

Each city (republikas pilsēta) or municipality (novads) in the abovementioned planning regions

Proportional share of gender and age group of the total population of respective gender and age group in these 3 regions.

In order to have a representative sample, quotas will be set and the data will be weighted according to the official statistics in regard to gender, age, county or planning region and urbanisation level (Latvia).

Appendix. Description of methodology IV.

Indicator no 4.

Number of interviews: maximum out of 27 organisations: 15 for Estonia and 12 for Latvia.

Appendix. Source data description I

Indicator no 1.

Target group: entrepreneurs, who have been registered less than three years ago in The Programme area that consists of Hiiu, Jõgeva, Lääne, Põlva, Pärnu, Saare, Tartu, Valga, Viljandi and Võru counties in Estonia and Kurzeme, Pierīga, Rīga and Vidzeme. “Individuālie komersanti”/ “füüsilisest isikust ettevõtjad”; retail, wholesale, real estate or insurance businesses are excluded.

Total number of enterprises registered less than 3 years ago in the Programme area:

- Latvia: 5 046
- Estonia: 3 862

Indicator no. 2

Target group: entrepreneurs in The Programme area that consists of Hiiu, Jõgeva, Lääne, Põlva, Pärnu, Saare, Tartu, Valga, Viljandi and Võru counties in Estonia and Kurzeme, Pierīga, Rīga and Vidzeme. “Individuālie komersanti”/ “füüsilisest isikust ettevõtjad”; retail, wholesale, real estate or insurance businesses are excluded.

Total number of registered enterprises in the Programme area:

- Latvia: 23 442
- Estonia: 19 996

Appendix. Source data description II

Indicator no. 3

Target group: Population in age from 15 years and above, inhabitants of The Programme area that consists of Hiiu, Jõgeva, Lääne, Põlva, Pärnu, Saare, Tartu, Valga, Viljandi and Võru counties in Estonia and Kurzeme, Pierīga, Rīga and Vidzeme.

Population description in the Programme area:

ESTONIA	
Hiiu county	6 564
Jõgeva county	23 659
Lääne county	18 426
Pärnu county	61 956
Põlva county	20 640
Saare county	23 830
Tartu county	114 450
Valga county	22 345
Viljandi county	35 869
Võru county	25 032
LATVIA	
Rīga	517 665
Pierīga	286 592
Vidzeme	163 436
Kurzeme	208 110

GfK. Growth from Knowledge