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Results of Research Surveys 2024 – Awareness



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Survey progress

The subject of the quantitative survey in the 1st wave of collection was to determine how in the countries SLOVAKIA, CZECH REPUBLIC, CROATIA AND SPAIN, university-educated people perceive air pollution and its impact on the health of the population.

Quantitative data collection was carried out by the research agency **MNForce, s.r.o.** through an online panel in individual countries, with the specifics of the collection and research sample being as follows:

Country	Selection file	Data collection	LOI (Lenght of Interest)
Slovakia	N = 384	2.7. – 12.7.2024	12 - 15 min.
Czechia	N = 739	4.7. – 15.7.2024	
Croatia	N = 685	8.7. – 19.7.2024	
Spain	N = 731	9.7. – 19.7.2024	

The sample was a representative sample of people with higher education in the selected country. The questionnaire contained 8 socio-demographic questions and 31 questions related to the main subject of the study.

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Gender	CZ	HR	SK	SE
Male	327	271	159	326
Female	410	410	225	398
Non-binary	1	2	0	5
Do not want to answer	1	2	0	2

What degree are you currently studying?	CZ	HR	SK	SE
Bachelor's degree	179	204	131	294
Master's degree	211	284	117	152
Doctoral degree	22	20	13	41
Do not study	327	177	123	244

What is your highest level of education?	CZ	HR	SK	SE
Basic education	0	0	0	0
High school without graduation	0	0	0	0
High school diploma	0	0	0	0
University 1st degree (Bachelor)	117	90	23	105
University 2nd degree (Master)	173	83	100	99
University 3rd degree (Doctor of Sciences)	37	4	0	40
Empty cell	412	508	261	487

Age	CZ	HR	SK	SE
18	16	11	3	35
19	16	20	10	26
20	28	33	16	44
21	27	17	19	32
22	14	26	26	16
23	27	24	26	30
24	21	38	45	47
25	26	34	29	28
26	19	25	30	18
27	14	21	6	16
28	13	13	6	12
29	21	13	9	15
30	16	21	9	17
31	15	11	8	12
32	14	10	9	15
33	20	20	7	14
34	16	15	15	22
35	18	13	8	7
36	23	15	9	17
37	18	20	3	14
38	21	25	5	12
39	12	23	8	18
40	13	20	5	10
41	15	27	3	15
42	16	27	5	12
43	15	18	4	22
44	16	25	3	12
45	14	13	3	24
46	19	13	8	12
47	16	5	6	21
48	14	23	6	16
49	14	3	0	13
50	9	16	3	23
51	9	16	5	15
52	15	24	1	5
53	13	5	0	16
54	9	0	4	8
55	6	1	2	15
56	7	0	1	6
57	7	0	5	8
58	7	1	1	2
59	7	0	1	1
60	16	0	0	3
61	6	0	2	3
62	5	0	1	0
63	6	0	1	0
64	3	0	2	0
65	4	0	1	2
66	3	0	2	0
67	9	0	1	0
68	2	0	0	0
69	1	0	0	0
70	5	0	0	0
71	9	0	0	0
72	8	0	0	0
73	1	0	0	0
74	2	0	0	0
75	3	0	1	0
76	0	0	0	0
77	0	0	1	0

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What field of study are you studying or you have graduated.	CZ	HR	SK	SE
Natural sciences	25	3	54	20
Technical sciences	226	208	102	177
Humanities	271	93	94	150
Medical sciences	48	66	29	120
Social sciences	102	260	94	223
Agricultural sciences	67	55	11	41

What is your highest level of education?	CZ	HR	SK	SE
Basic education	0	0	0	0
High school without graduation	0	0	0	0
High school diploma	0	0	0	0
University 1st degree (Bachelor)	117	90	23	105
University 2nd degree (Master)	173	83	100	99
University 3rd degree (Doctor of Sciences)	37	4	0	40
Empty cell	412	508	261	487

Size of place of residence - number of inhabitants	CZ	HR	SK	SE
up to 9,999 inhabitants	272	142	184	74
10,000 – 49,999 inhabitants	167	148	83	169
50,000 – 99,999 inhabitants	78	88	50	113
100,000 – 249,999 inhabitants	22	69	13	105
250,000 – 499,999 inhabitants	86	28	54	70
500,000 – 999,999 inhabitants	0	140	0	62
1,000,000 – 2,499,999 inhabitants	114	43	0	42
More than – 2,500,000 inhabitants	0	27	0	96

Place of residence	CZ	HR	SK	SE
City part	459	460	211	559
Suburban part	107	139	42	109
Countryside	173	86	131	63

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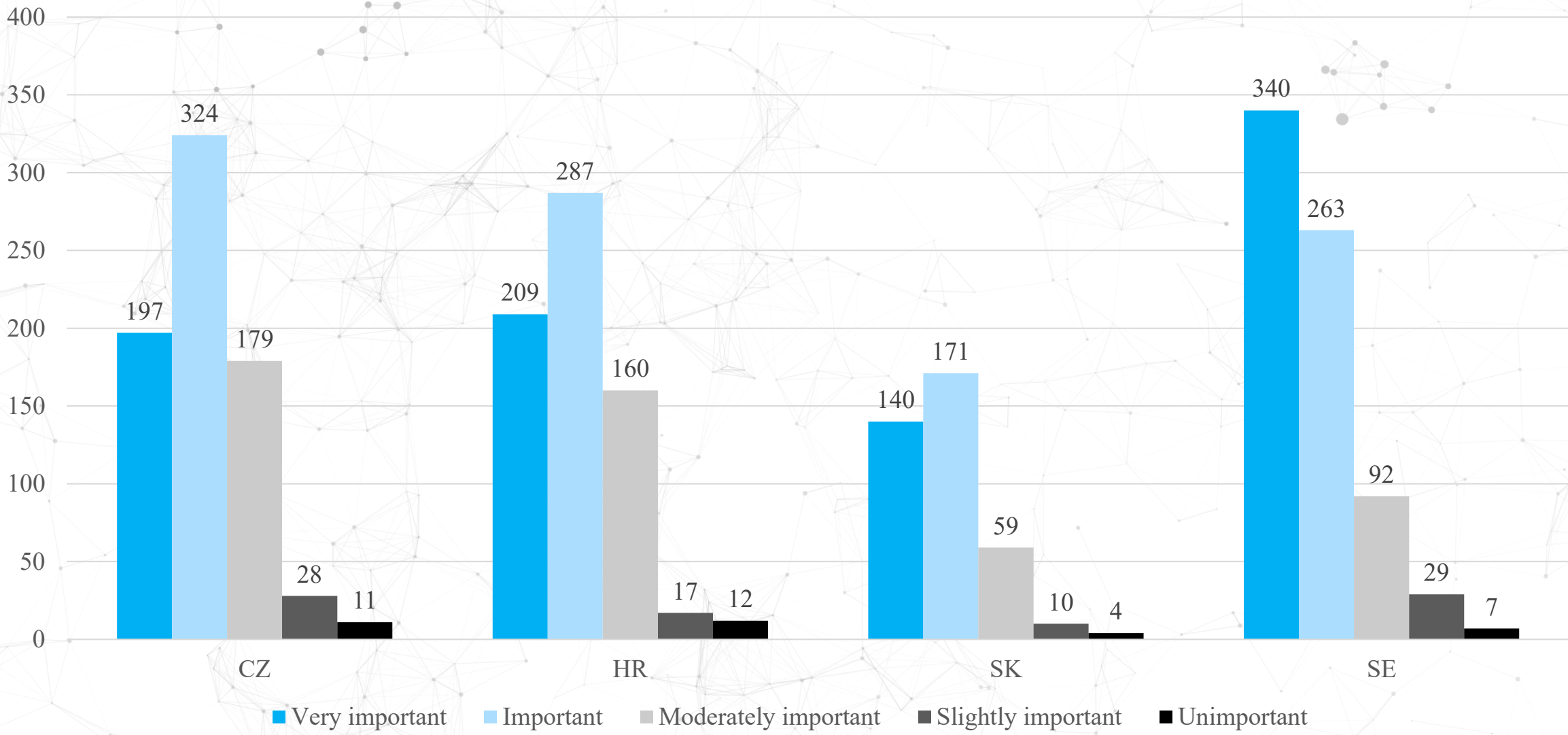
In which region do you live?							
CZ		HR		SK		SE	
Hlavní město Praha	114	Bjelovarsko Bilogorska	20	Bratislavský kraj	75	Albacete	3
Středočeský kraj	79	Brodsko Posavska	16	Trnavský kraj	30	Alicante/Alacant	20
Jihočeský kraj	44	Delnica	1	Nitriansky kraj	39	Almería	12
Jihomoravský kraj	117	Dubrovacko neretvanska	18	Trenčiansky kraj	36	Araba/Álava	7
Karlovarský kraj	14	Istra	32	Žilinský kraj	59	Asturias	25
Kraj Vysočina	40	Karlovačka	9	Banskobystrický kraj	53	Ávila	3
Liberecký kraj	32	Koprivničko križevačka	25	Prešovský kraj	55	Badajoz	10
Královéhradecký kraj	30	Krapinsko zagorska	6	Košický kraj	37	Balears, Illes	10
Moravskoslezský kraj	102	Krizevci	2			Barcelona	82
Olomoucký kraj	43	Licko senjska	5			Bizkaia	19
Pardubický kraj	32	Međimurska	12			Burgos	7
Plzeňský kraj	24	Osječko baranjska	66			Cáceres	3
Ústecký kraj	39	Pgž	8			Cádiz	14
Zlínský kraj	29	Požeško slavonska	8			Cantabria	12

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HR	
Primorsko goranska	60
Sibensko-kninska	11
sisačko moslavačka	14
Splitsko dalmatinska	45
Varaždinska	23
Virovitičko-Podravska	6
Vukovarsko srijemska	13
Zadarska	14
Zagrebačka	271

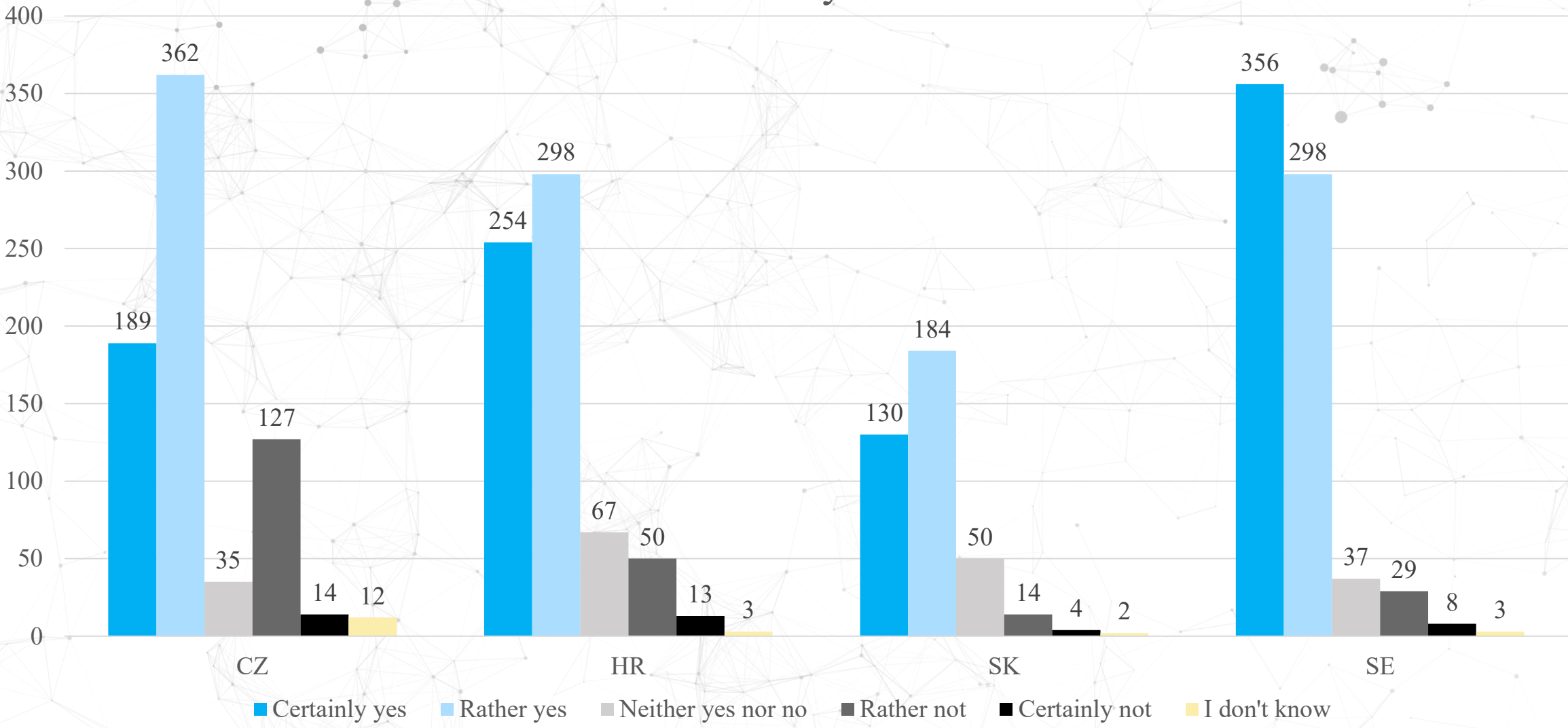
ES	
Castellón/Castelló	5
Ciudad Real	8
Córdoba	9
Coruña, A	15
Cuenca	5
Gipuzkoa	5
Girona	8
Granada	16
Guadalajara	8
Toledo	42
Valencia/València	16
Valladolid	1
Zamora	20
Huelva	4
Huesca	1
Jaén	14
León	4
Lleida	2
Lugo	3
Madrid	156
Málaga	28
Murcia	16
Navarra	4
Ourense	5
Palencia	1
Palmas, Las	14
Pontevedra	16
Rioja, La	3
Salamanca	6
Santa Cruz de Tenerife	10
Segovia	2
Sevilla	37
Soria	1
Tarragona	7
Teruel	12
Toledo	42
Valencia/València	16
Valladolid	1
Zamora	20

Are environmental issues important to you?



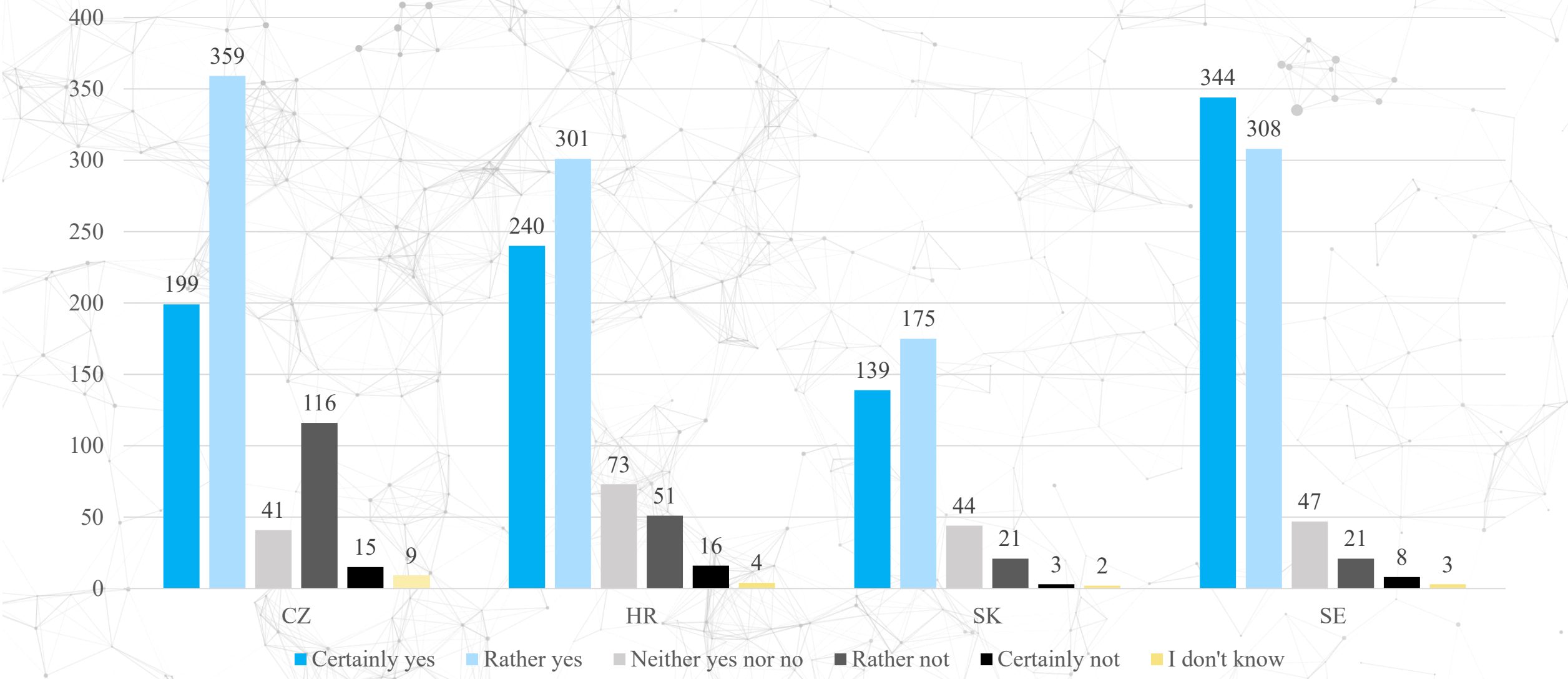
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Do you think that environmental pollution is a serious problem in your country?



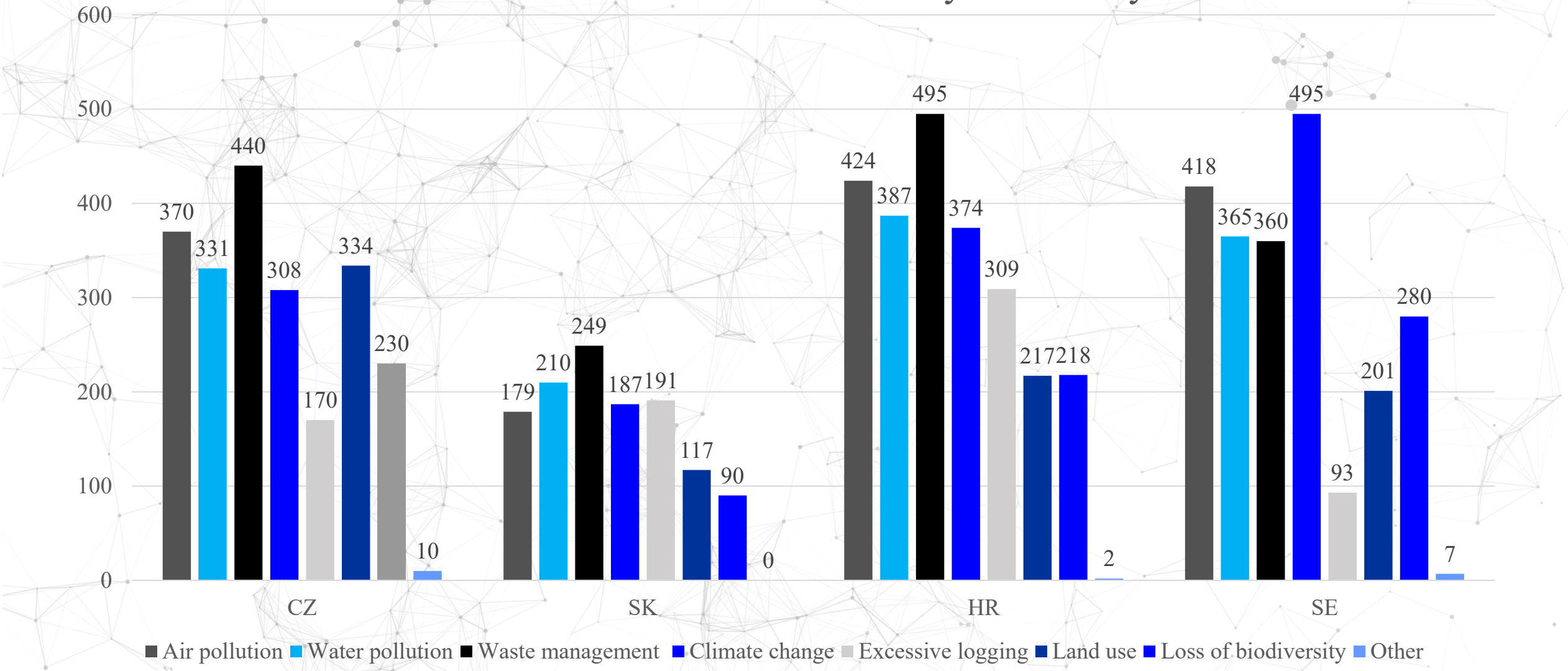
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Are you concerned about environmental pollution in your country?



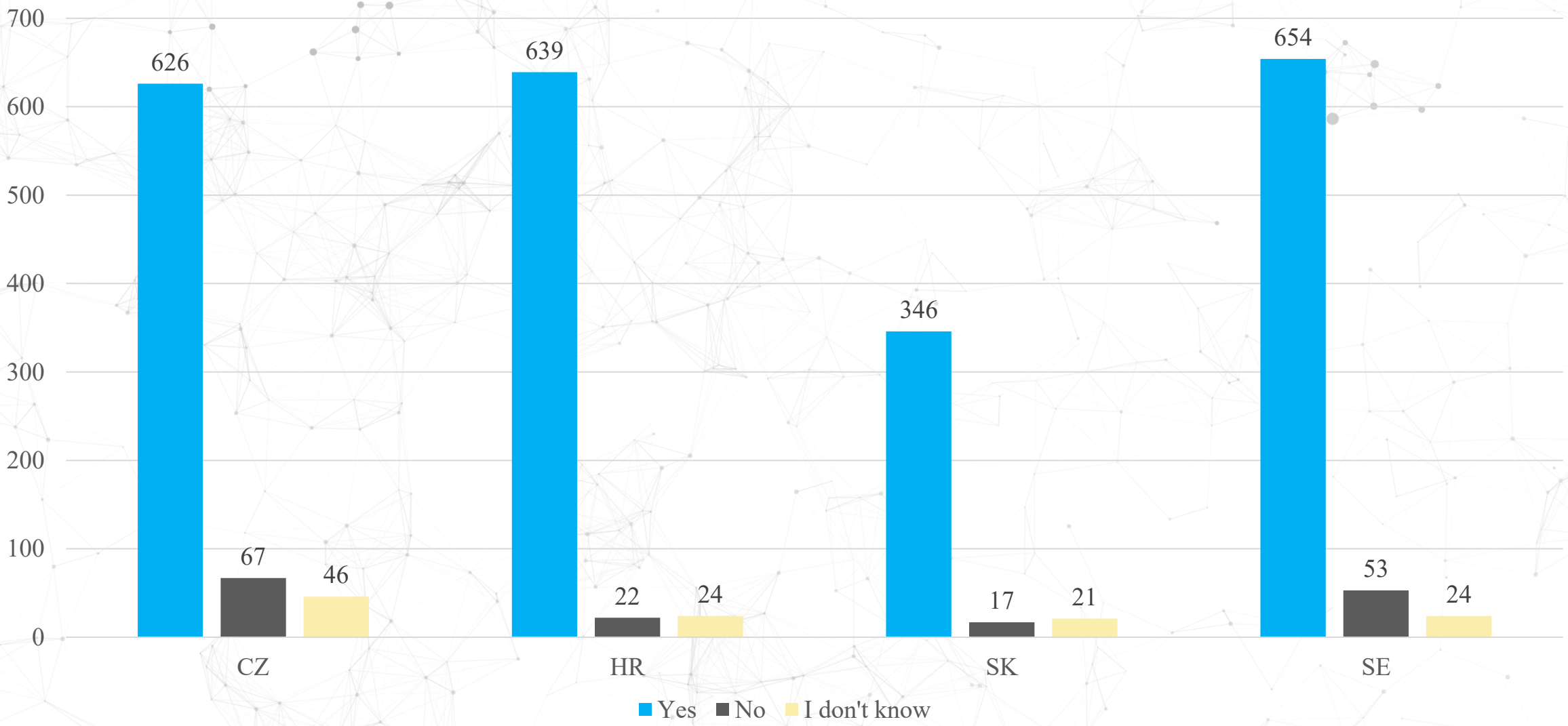
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Which of the following environmental problems do you consider to be the most serious in your country?



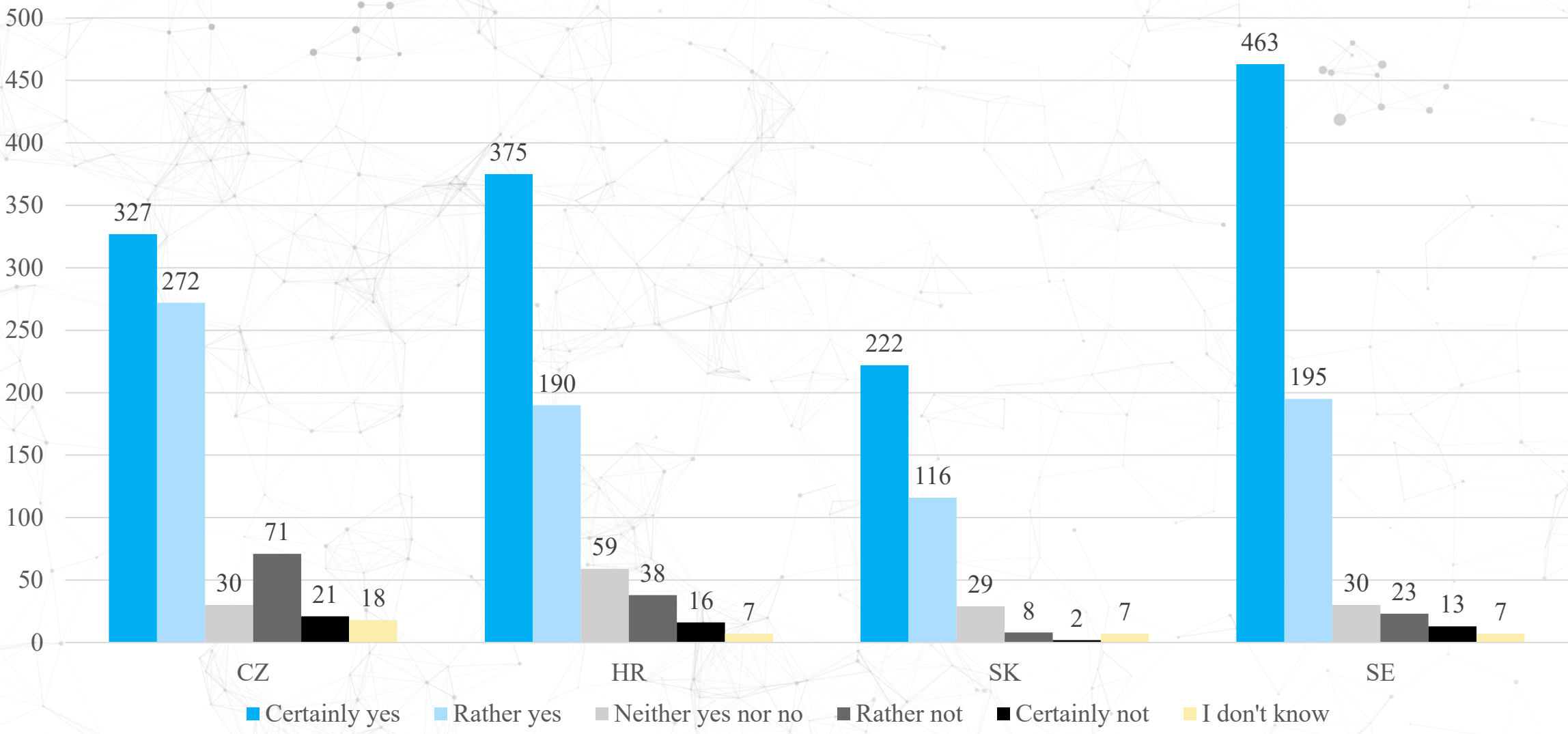
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In your opinion, has the weather in your country changed in the last 20 years?



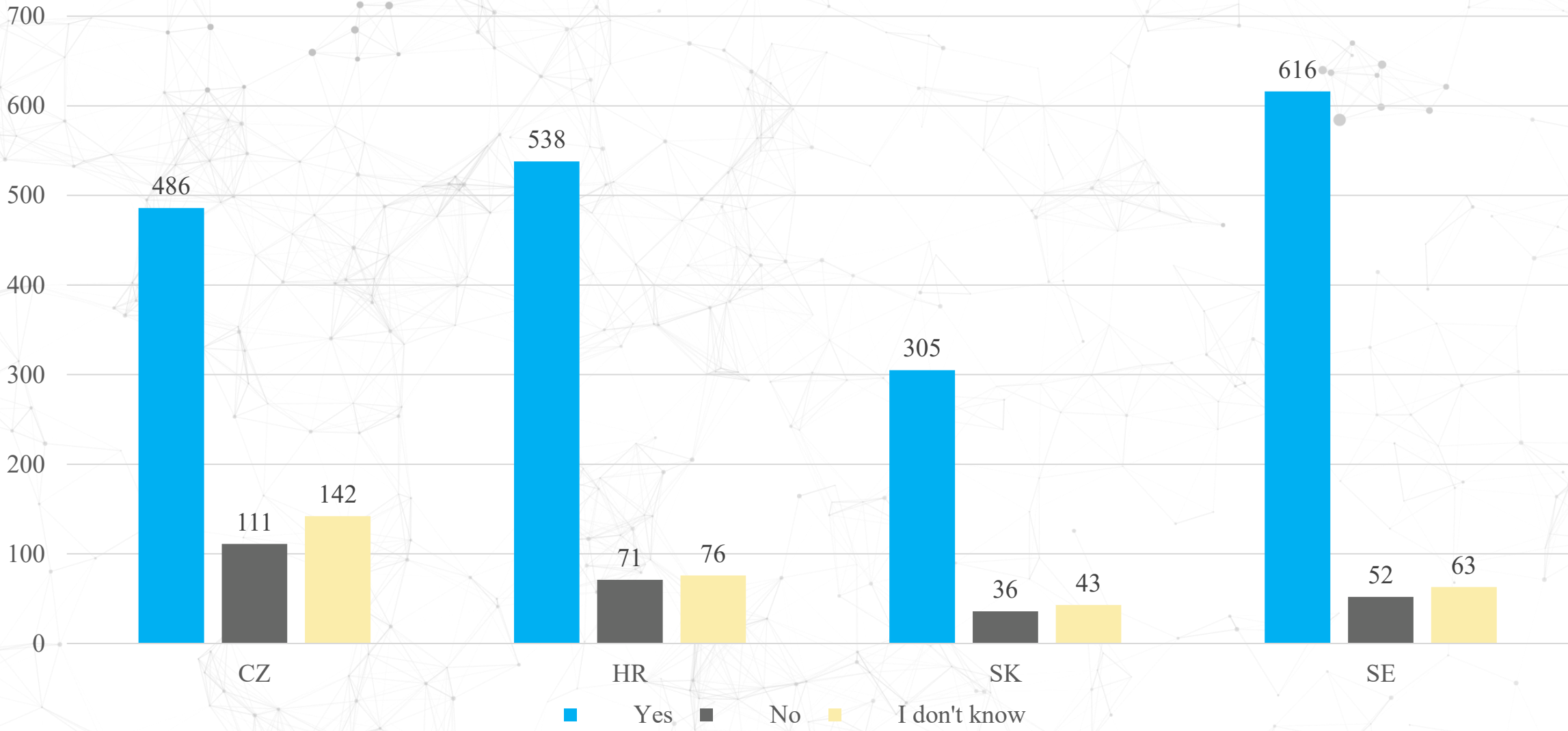
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Do you think global warming is a threat to humanity?



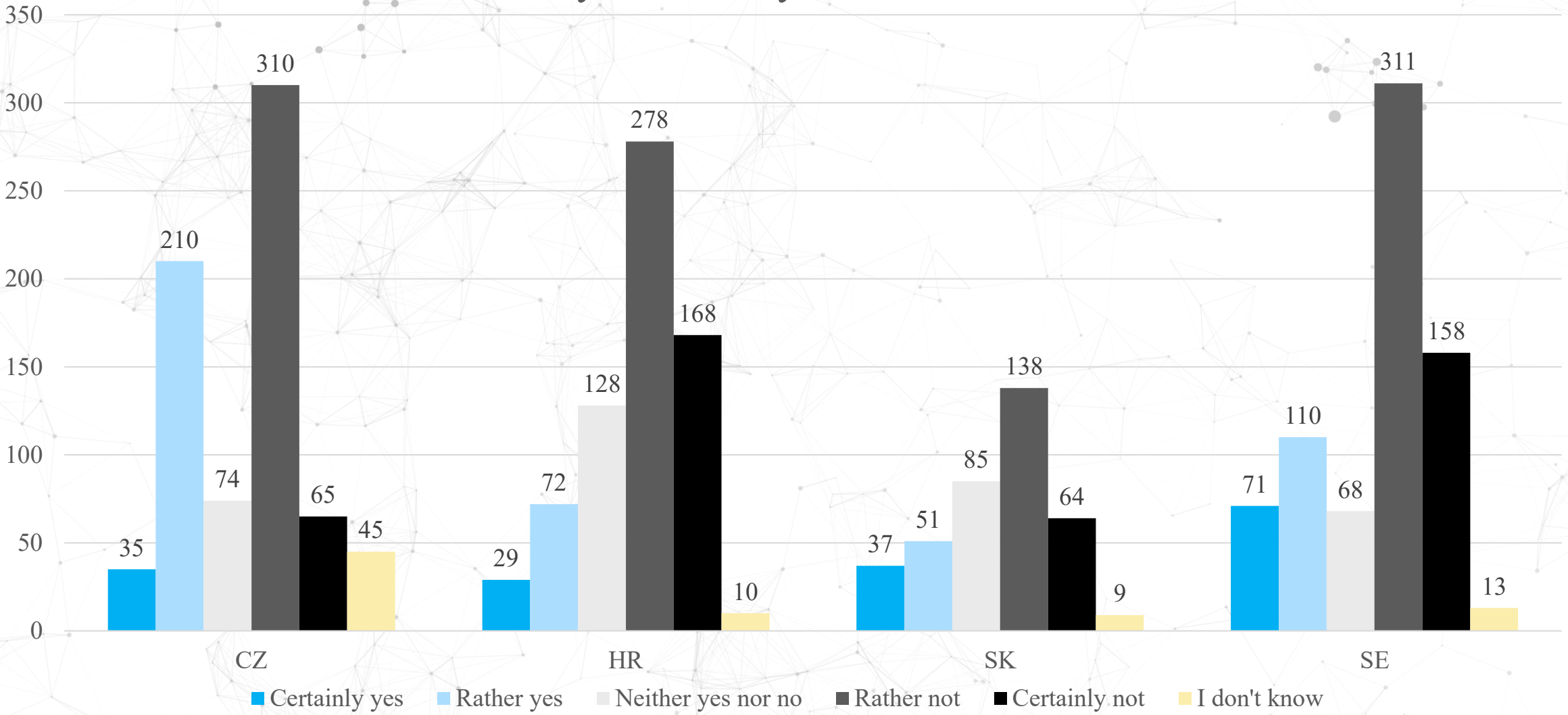
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Do you think humans are causing global warming?



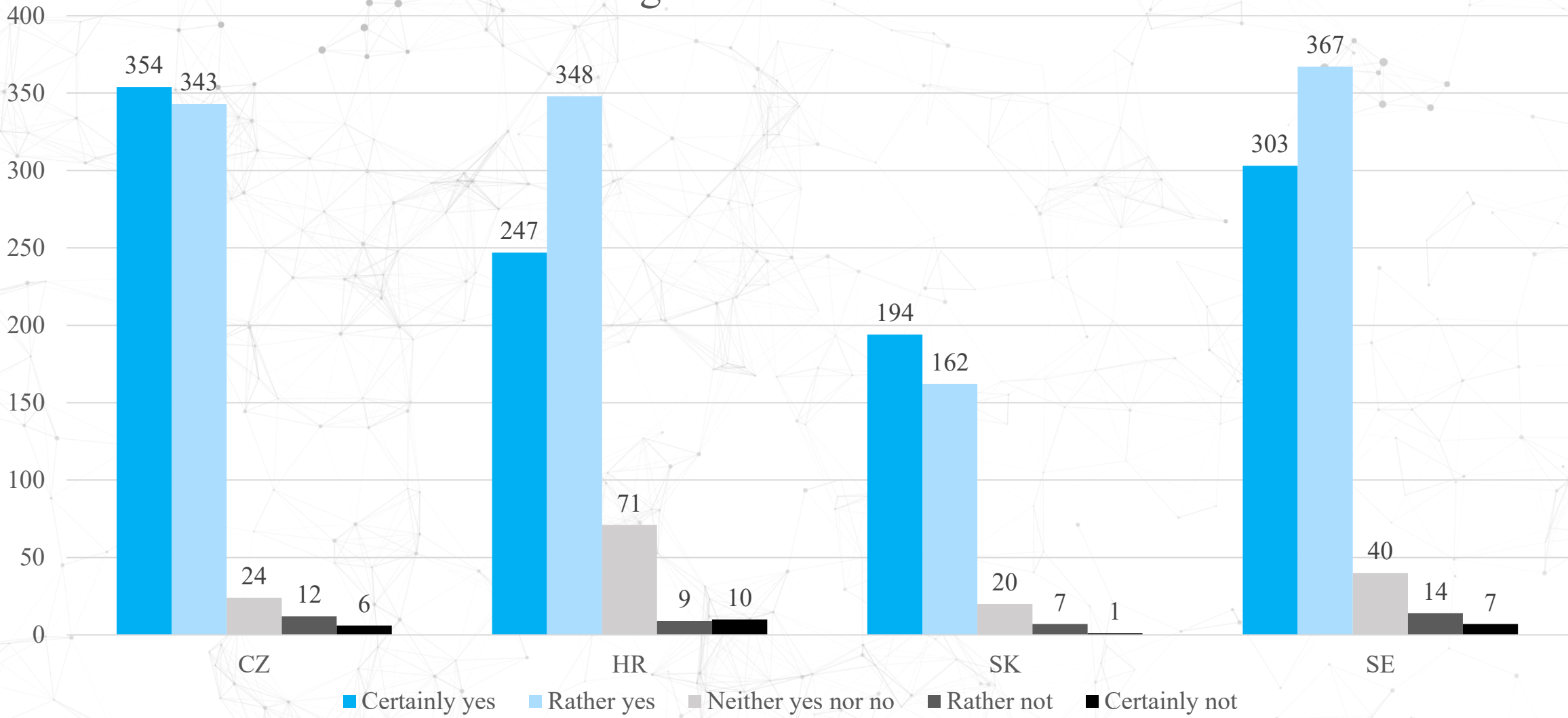
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In your opinion, are the efforts to protect and improve the environment in your country sufficient?



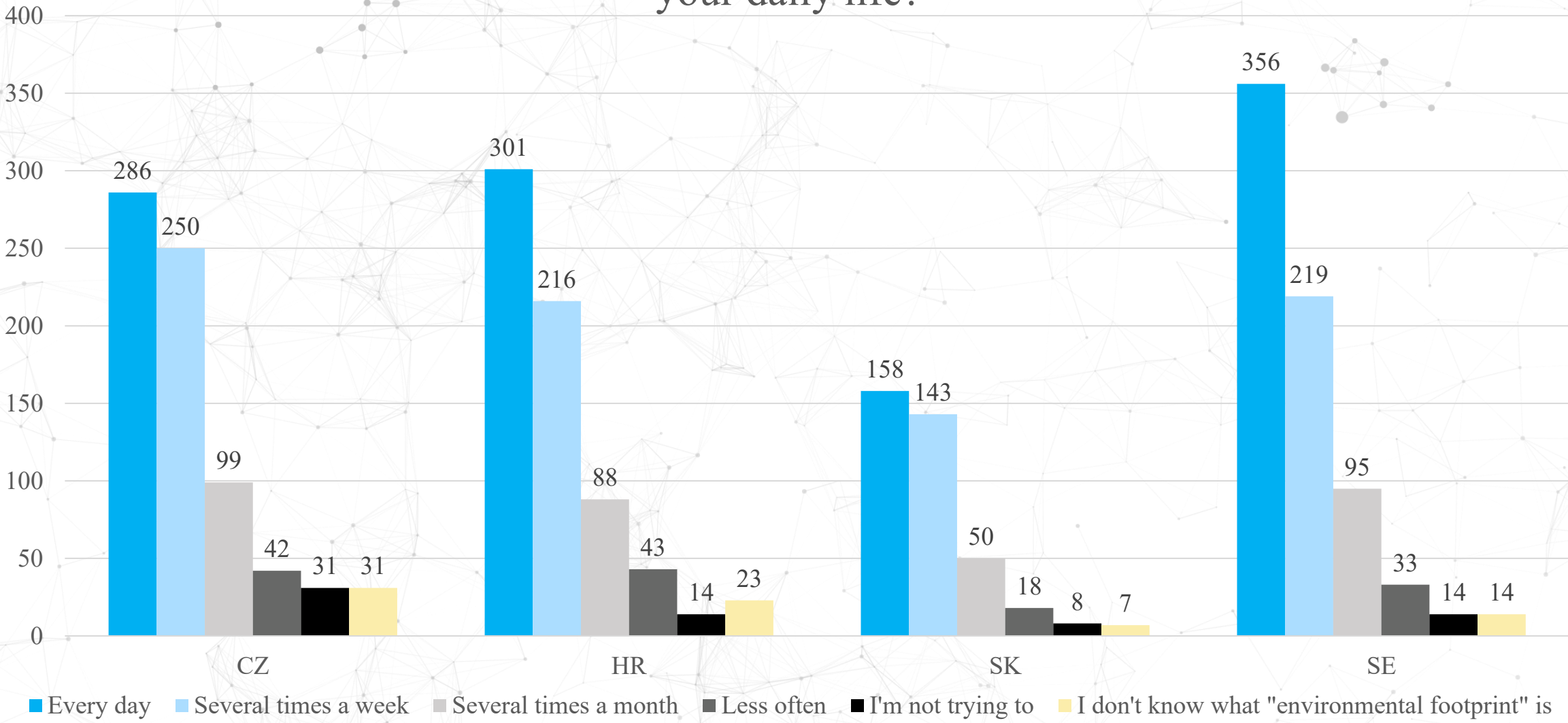
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As an individual or family, are you trying to contribute to a positive change in the environment?



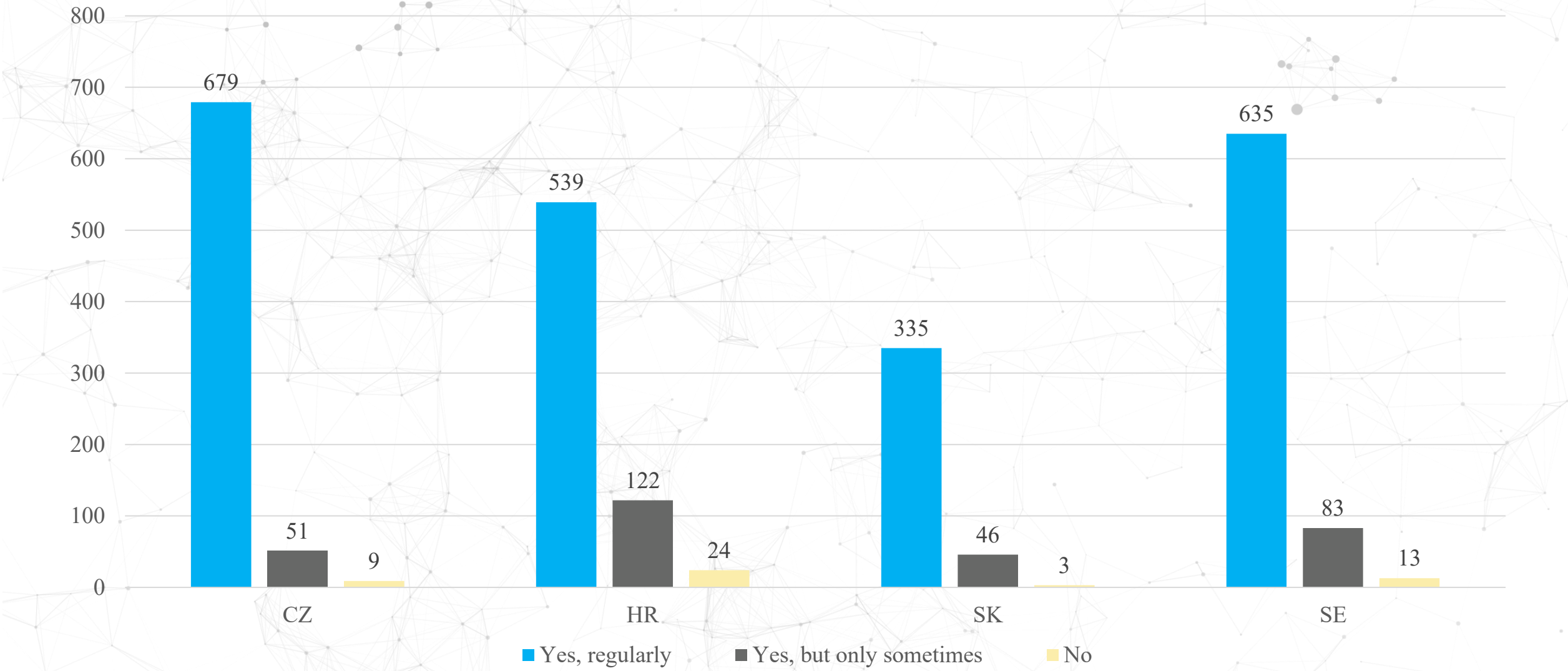
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How often do you try to minimize your "environmental footprint" in your daily life?



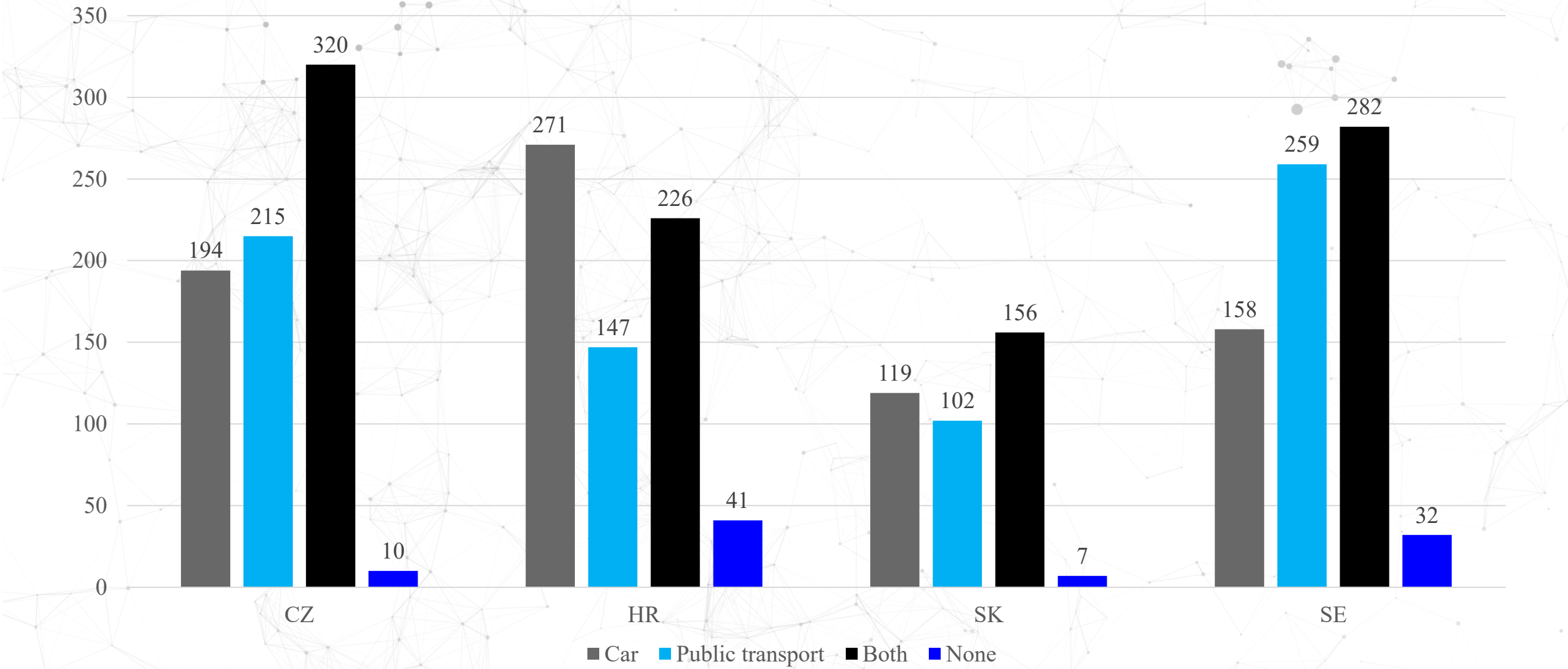
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Do you use a reusable shopping bag?



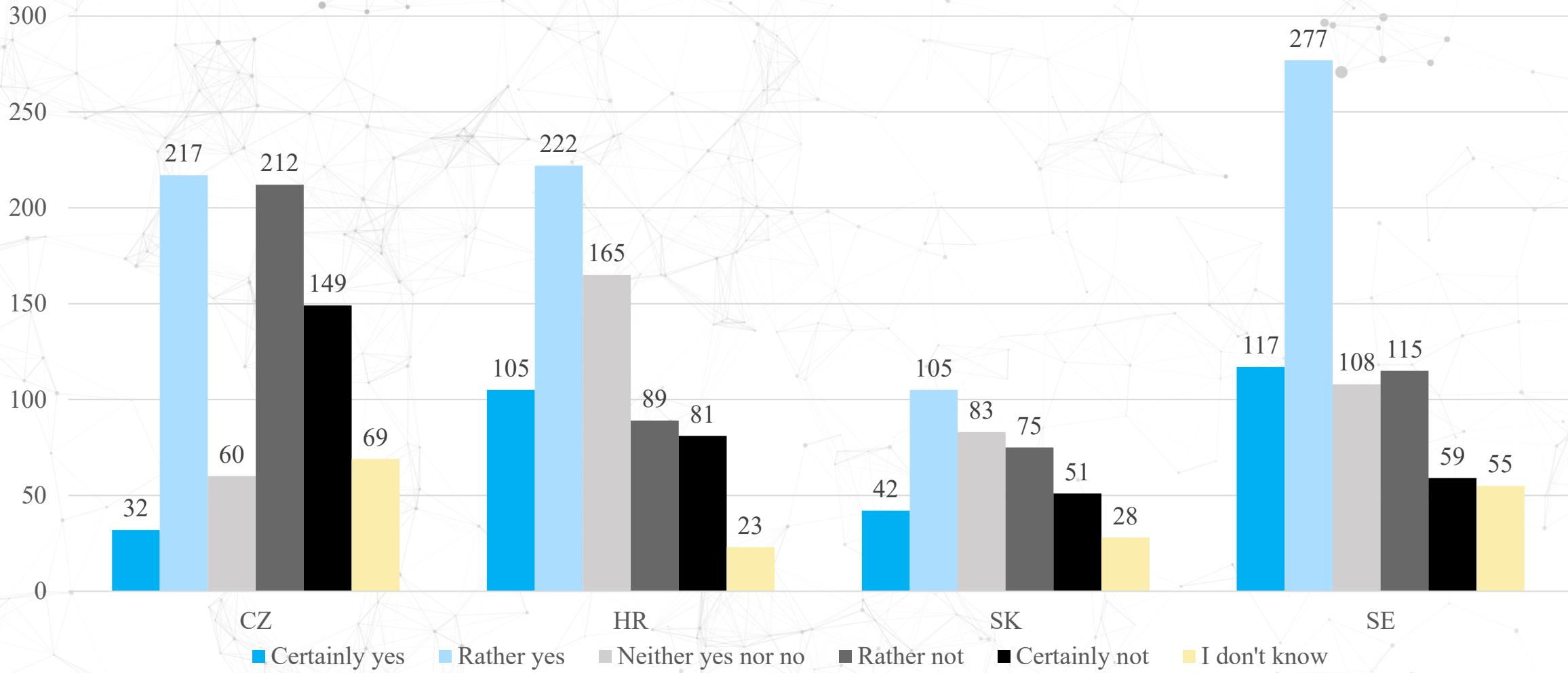
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Do you use a car or public transport?



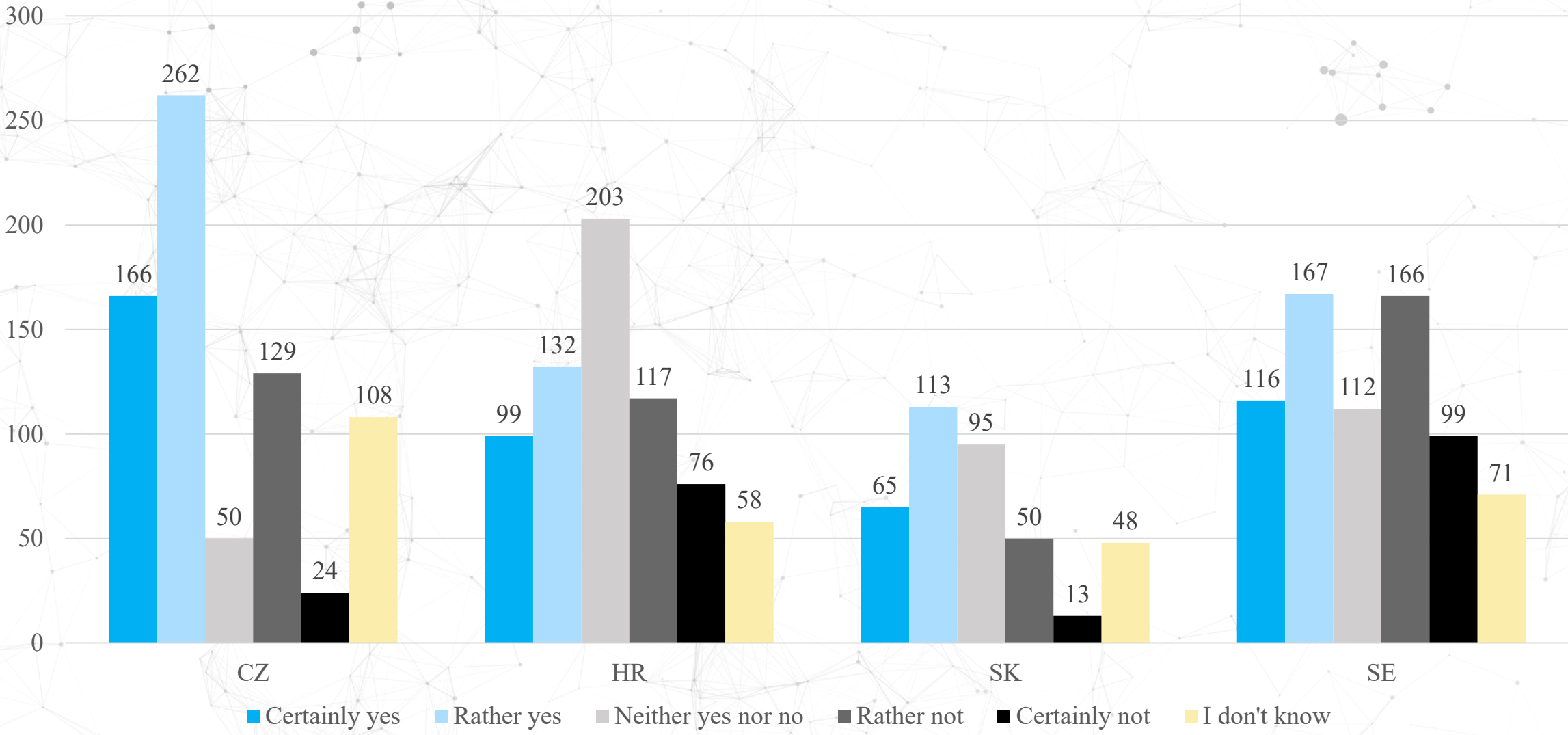
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In your opinion, is electromobility the future in terms of the environment?



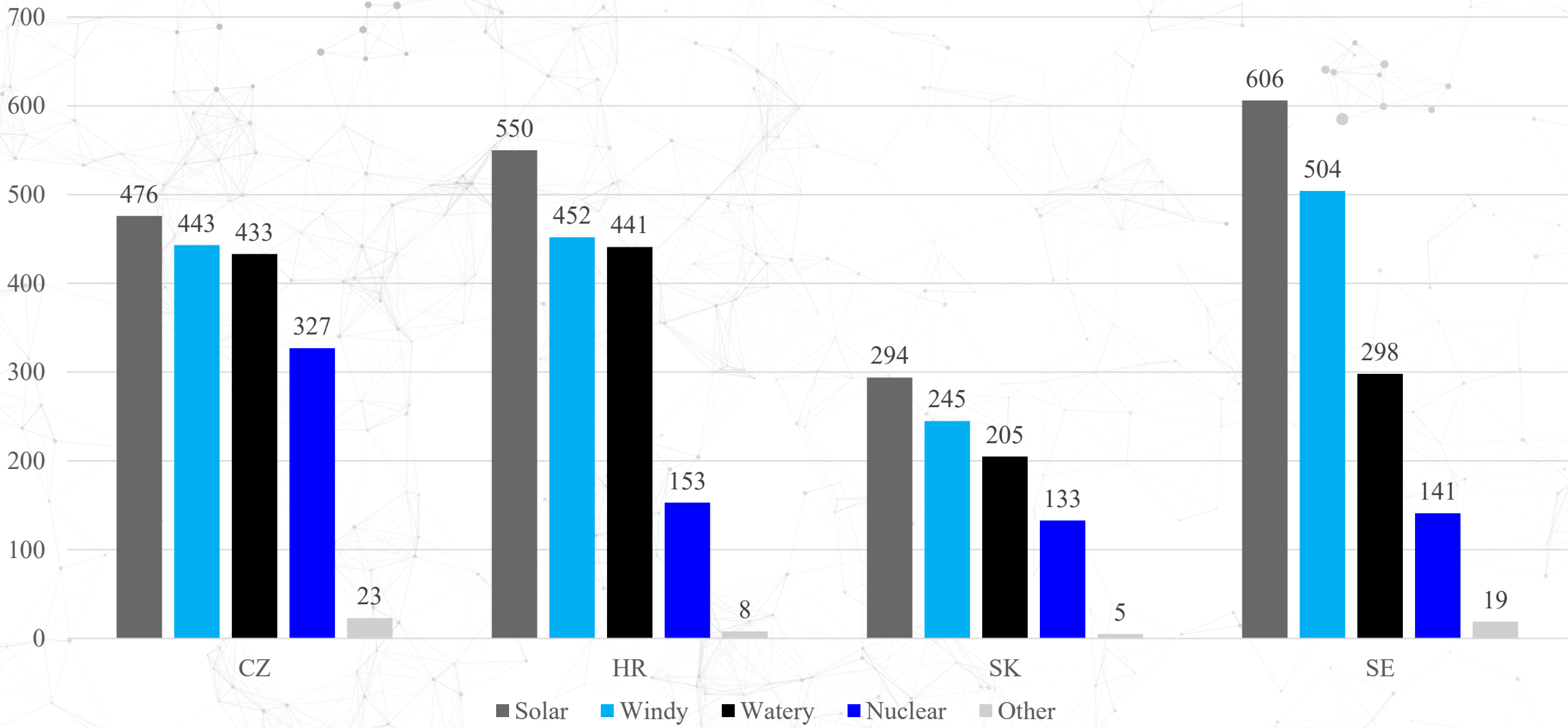
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Do you think nuclear energy is a clean and safe source of energy?



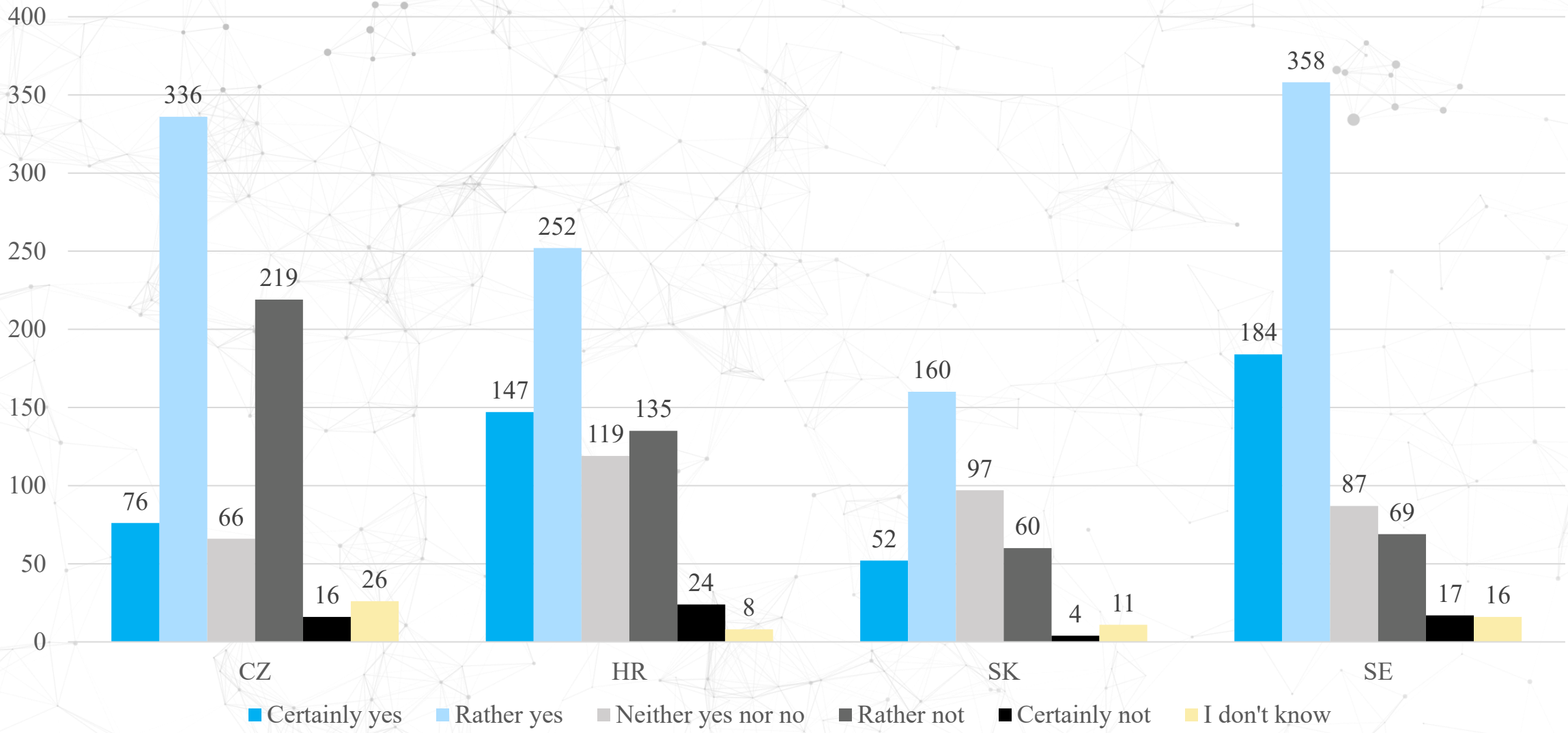
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Which energy sources do you think are the best for the future?



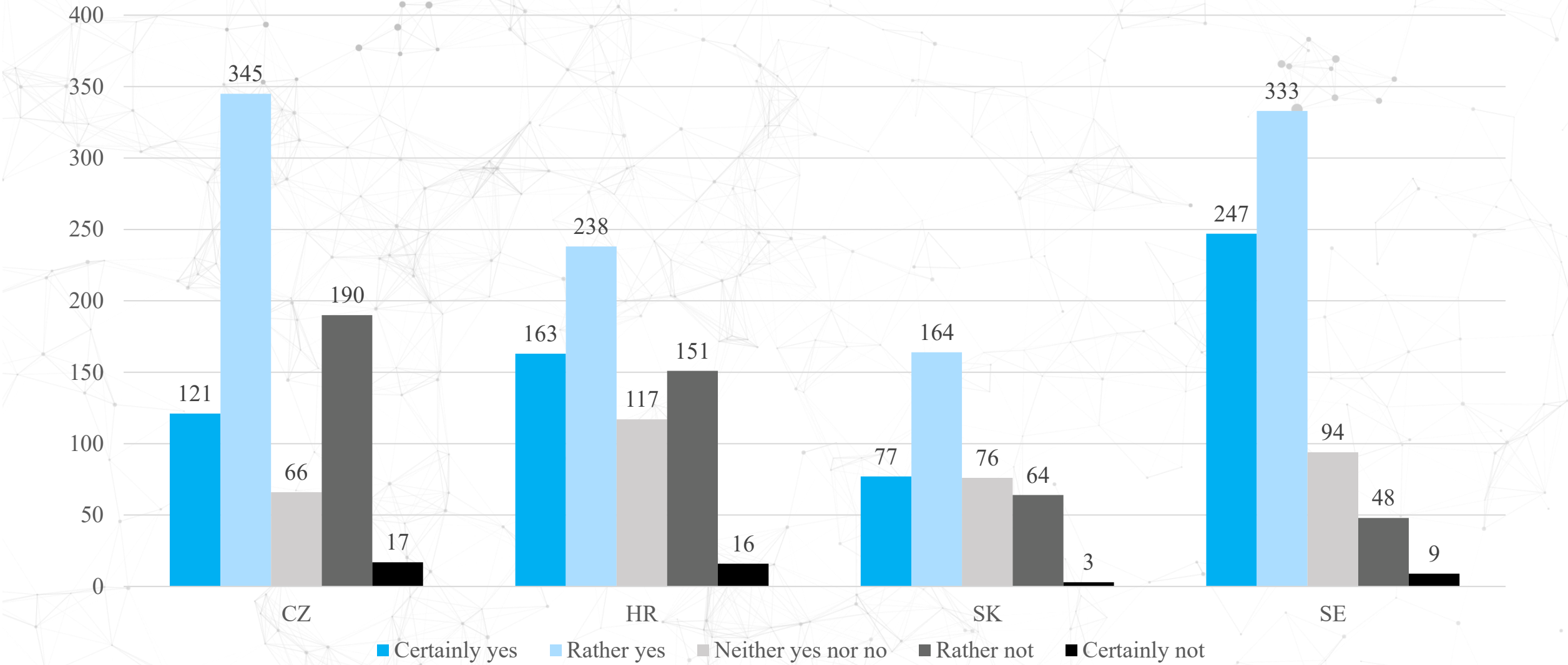
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Do you think that air quality is a serious problem in your country?



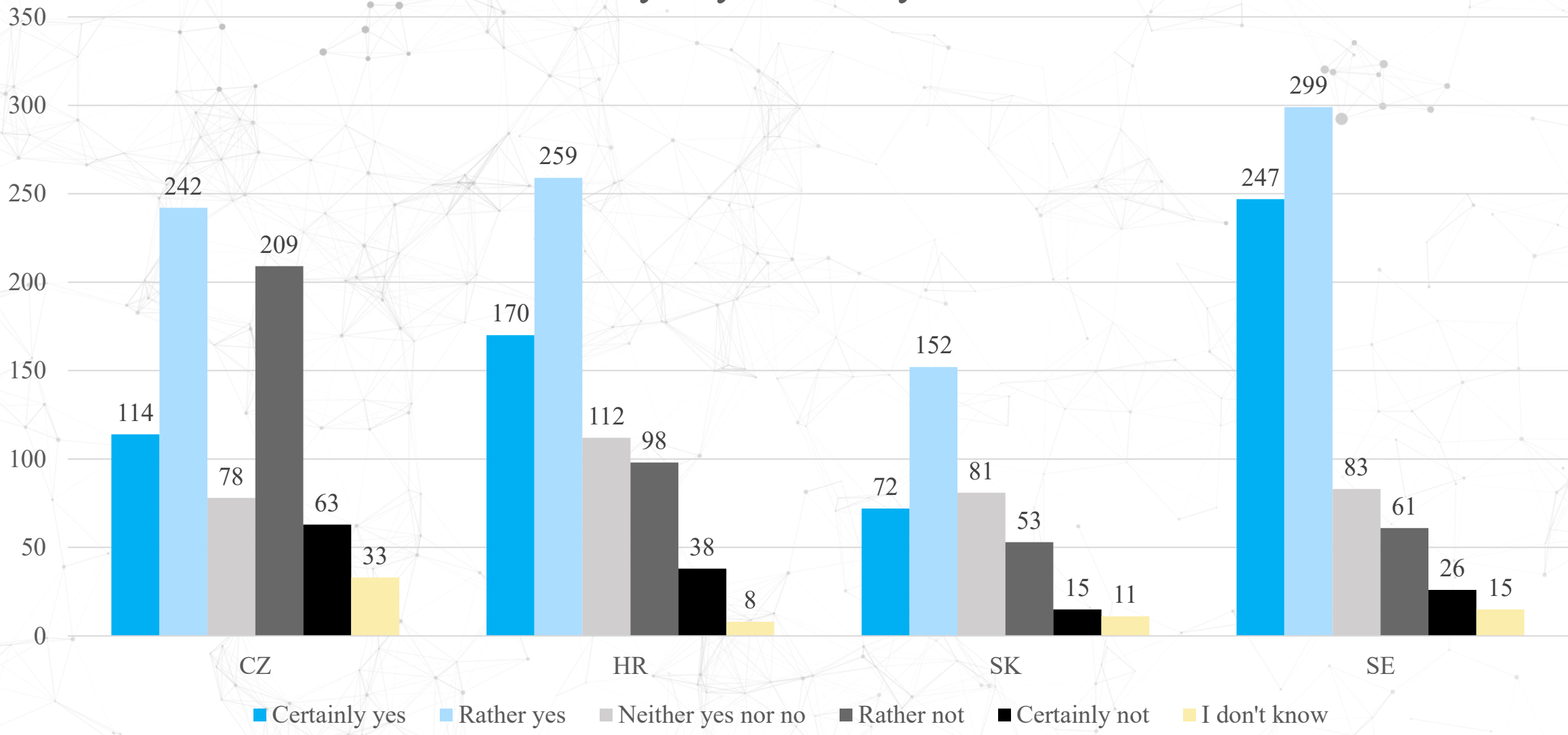
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Are you concerned about air quality in your country?



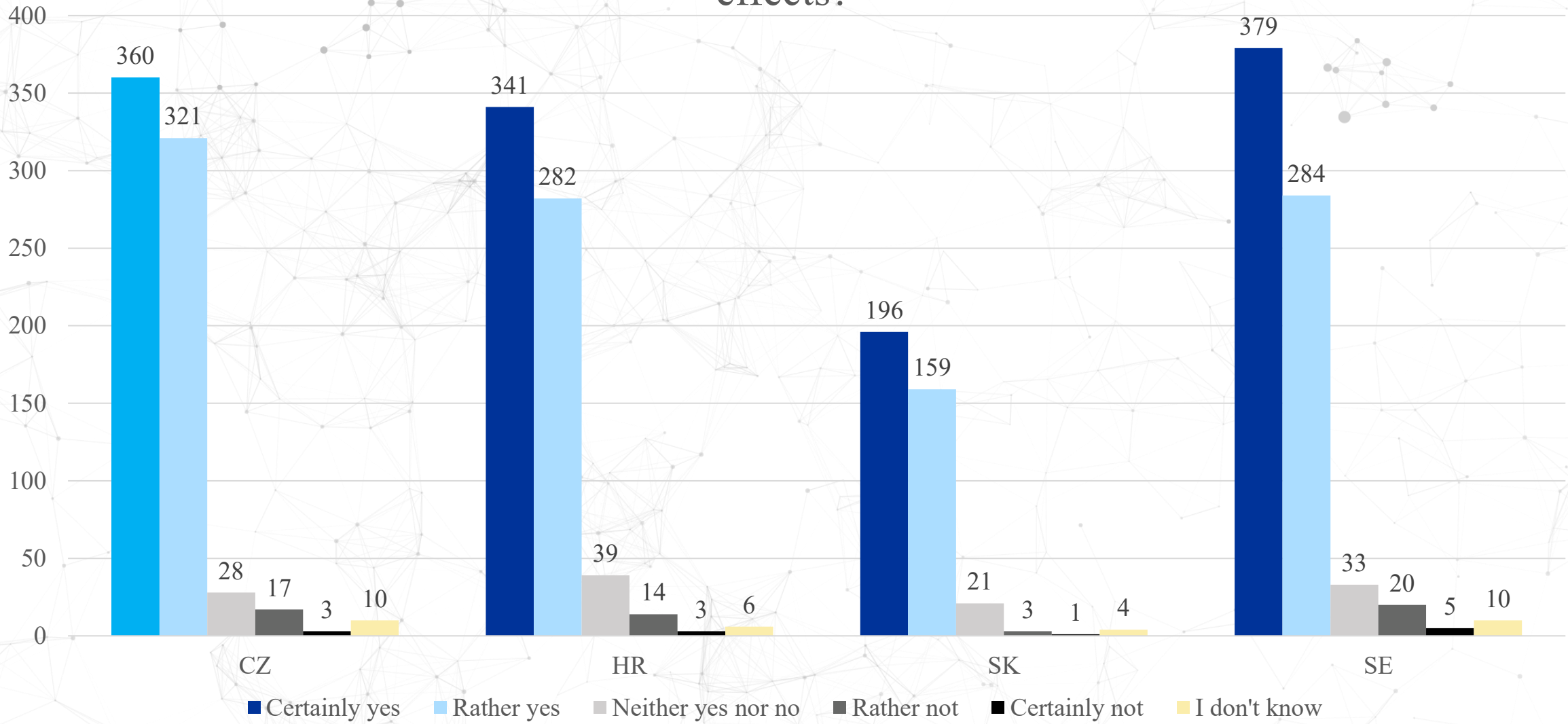
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Do you agree with the statement that air quality problems affect you/your family?



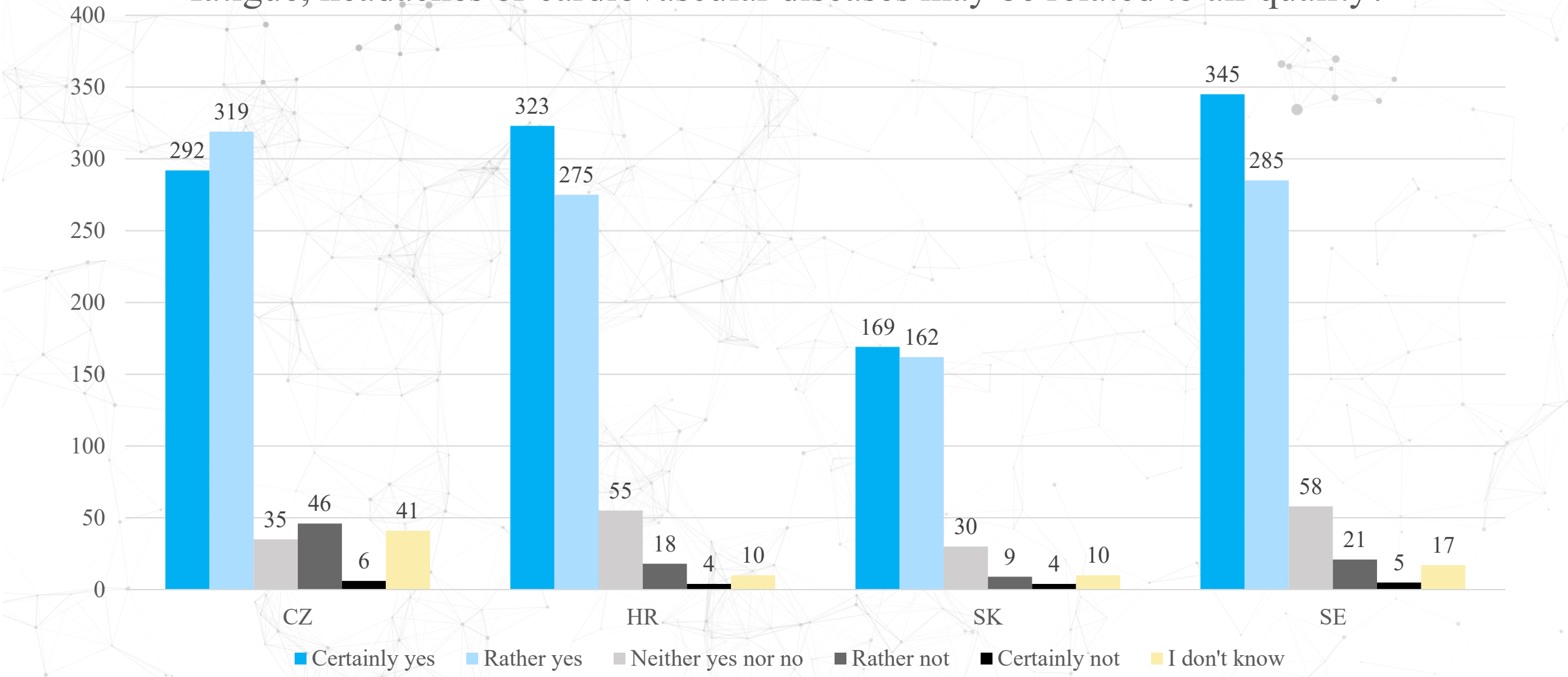
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Do you think that poor air quality has significant long-term health effects?



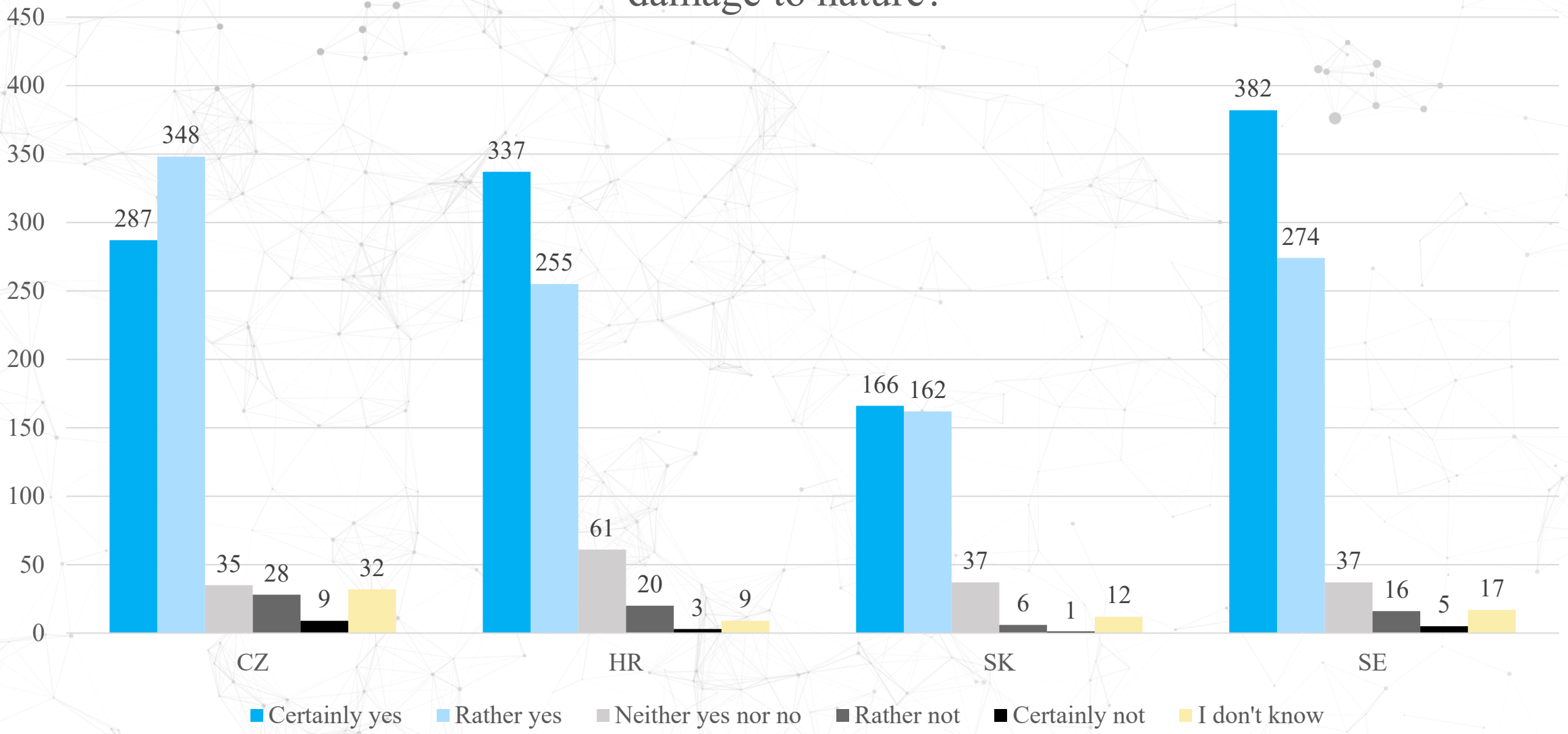
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Do you think that allergies, respiratory diseases, eye/nose/throat irritation, fatigue, headaches or cardiovascular diseases may be related to air quality?



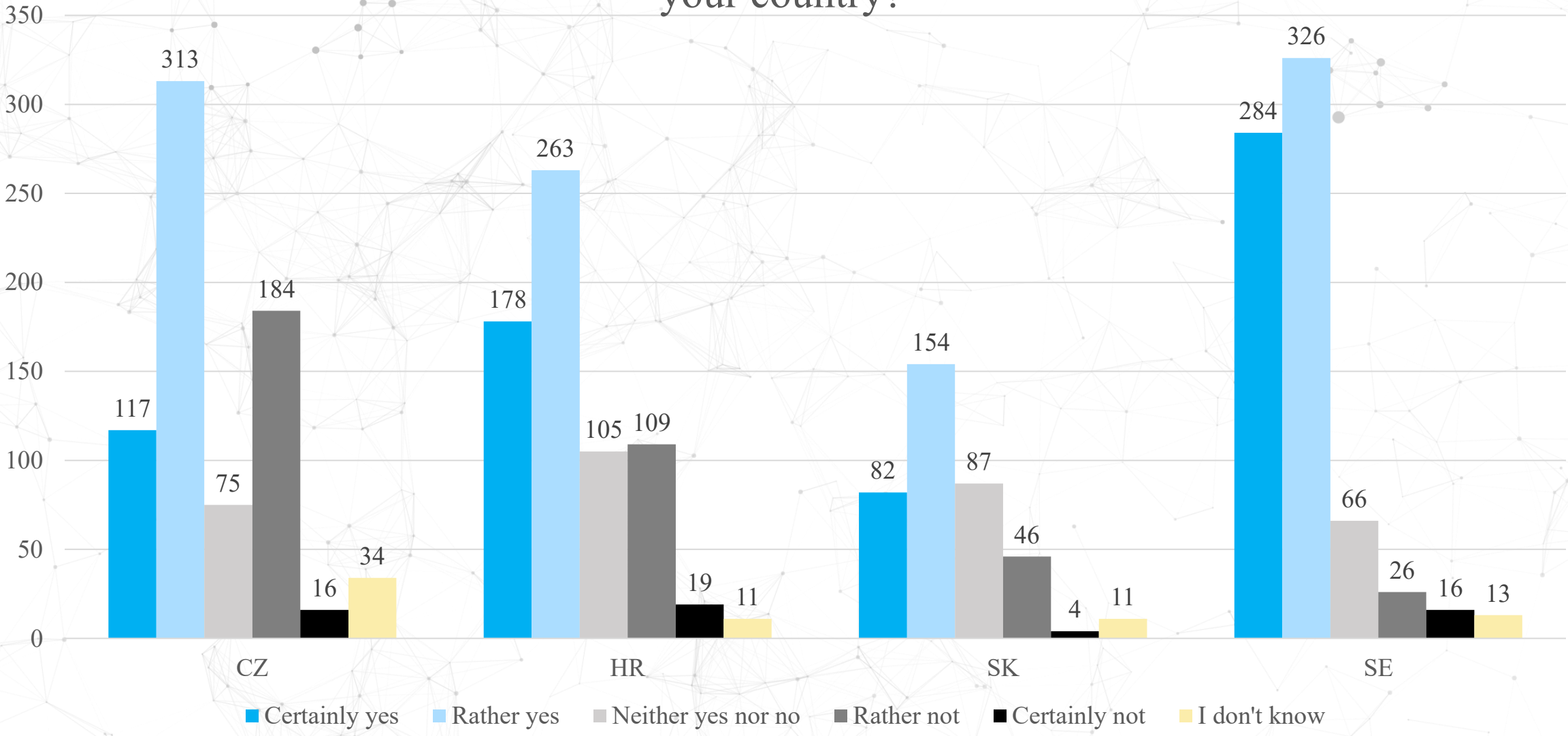
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Do you think that poor air quality also causes significant long-term damage to nature?



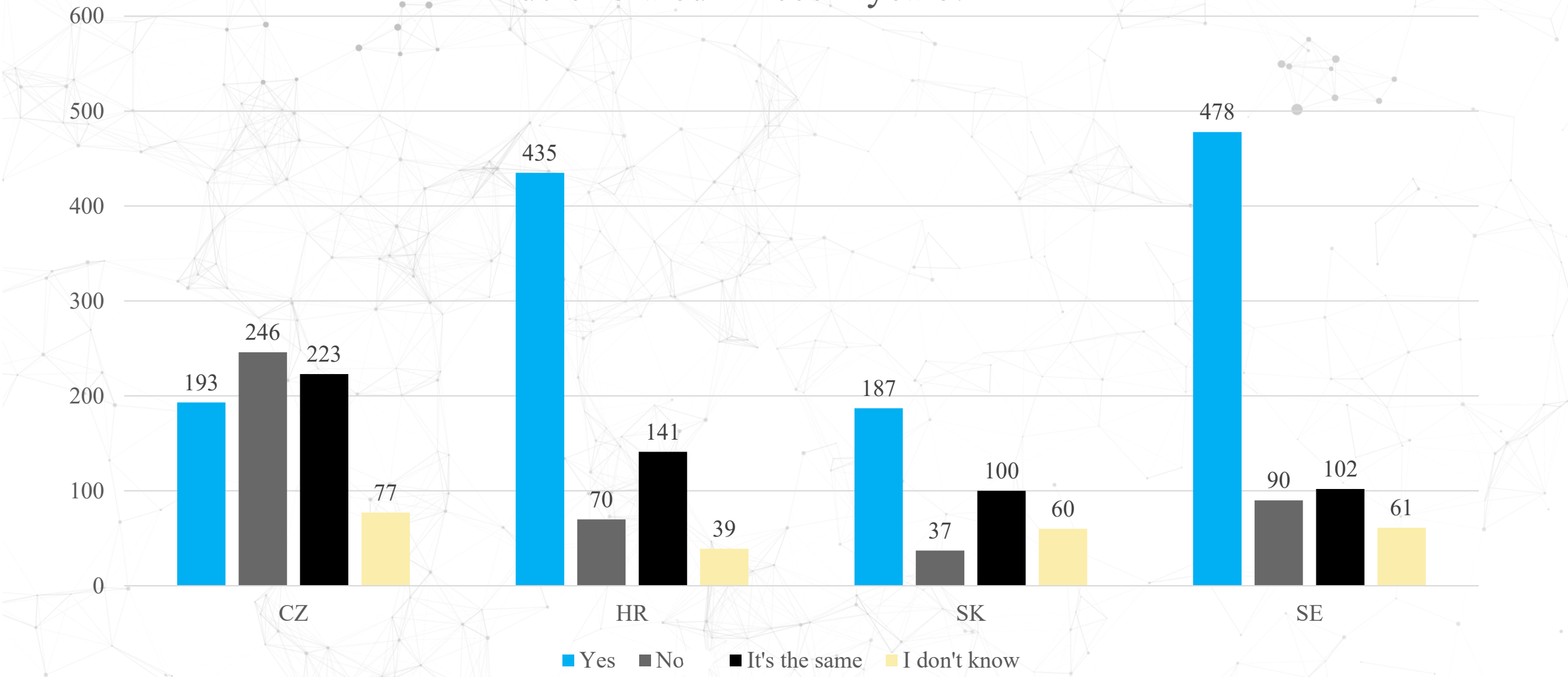
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Do you think that the effects of air pollution are a serious problem in your country?



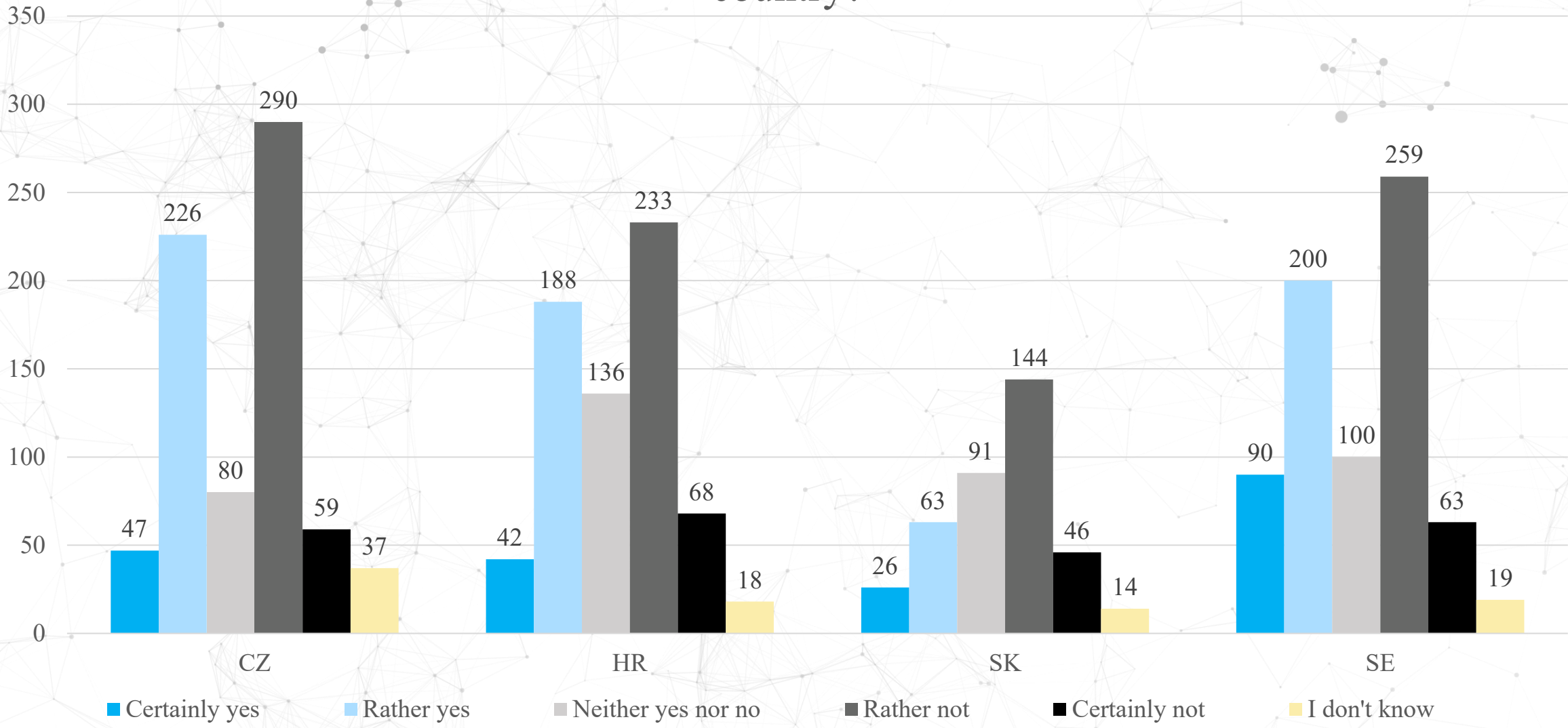
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In your opinion, has the air quality in your place of residence deteriorated in recent years?



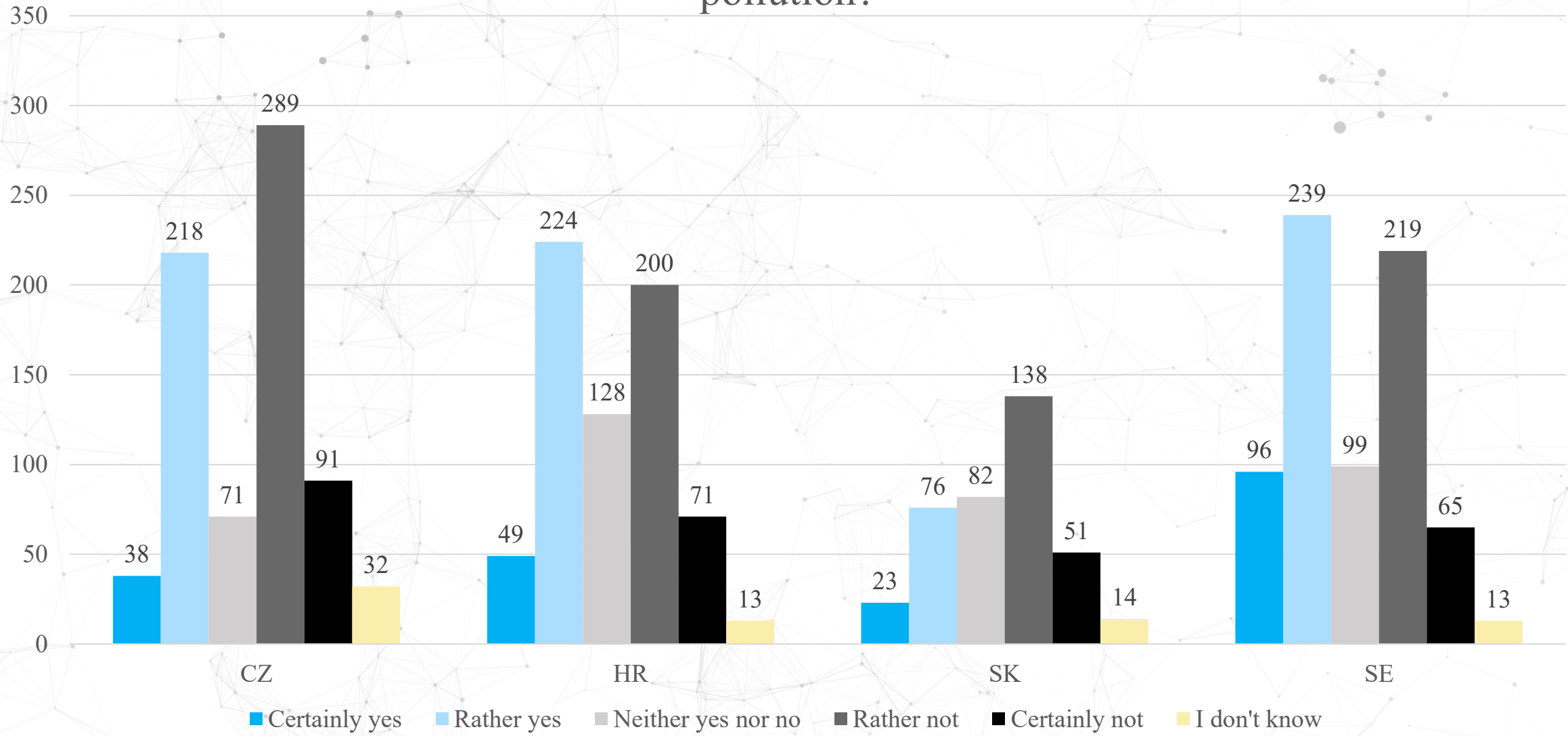
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Do you feel sufficiently informed about air quality problems in your country?



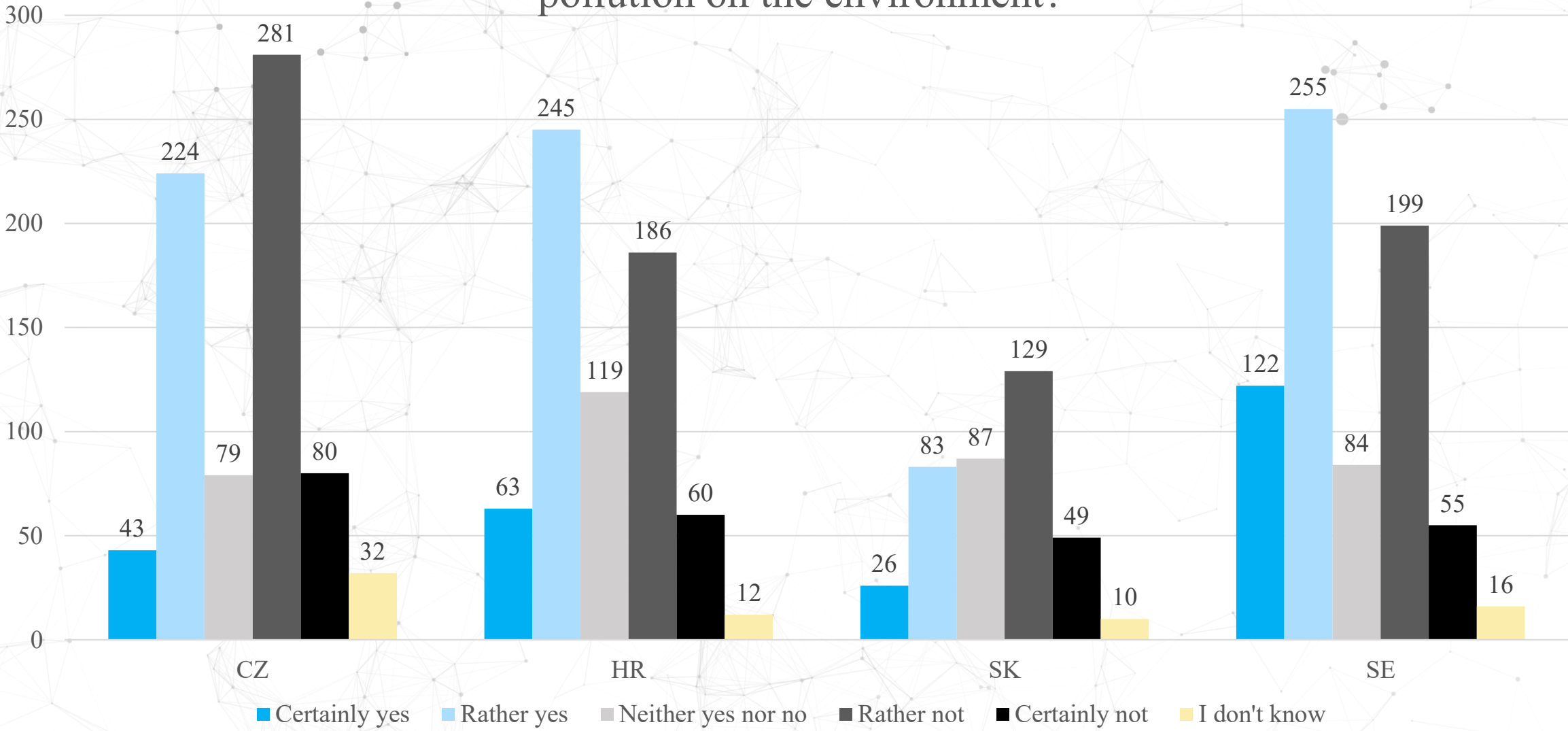
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Do you feel sufficiently informed about the health effects of air pollution?



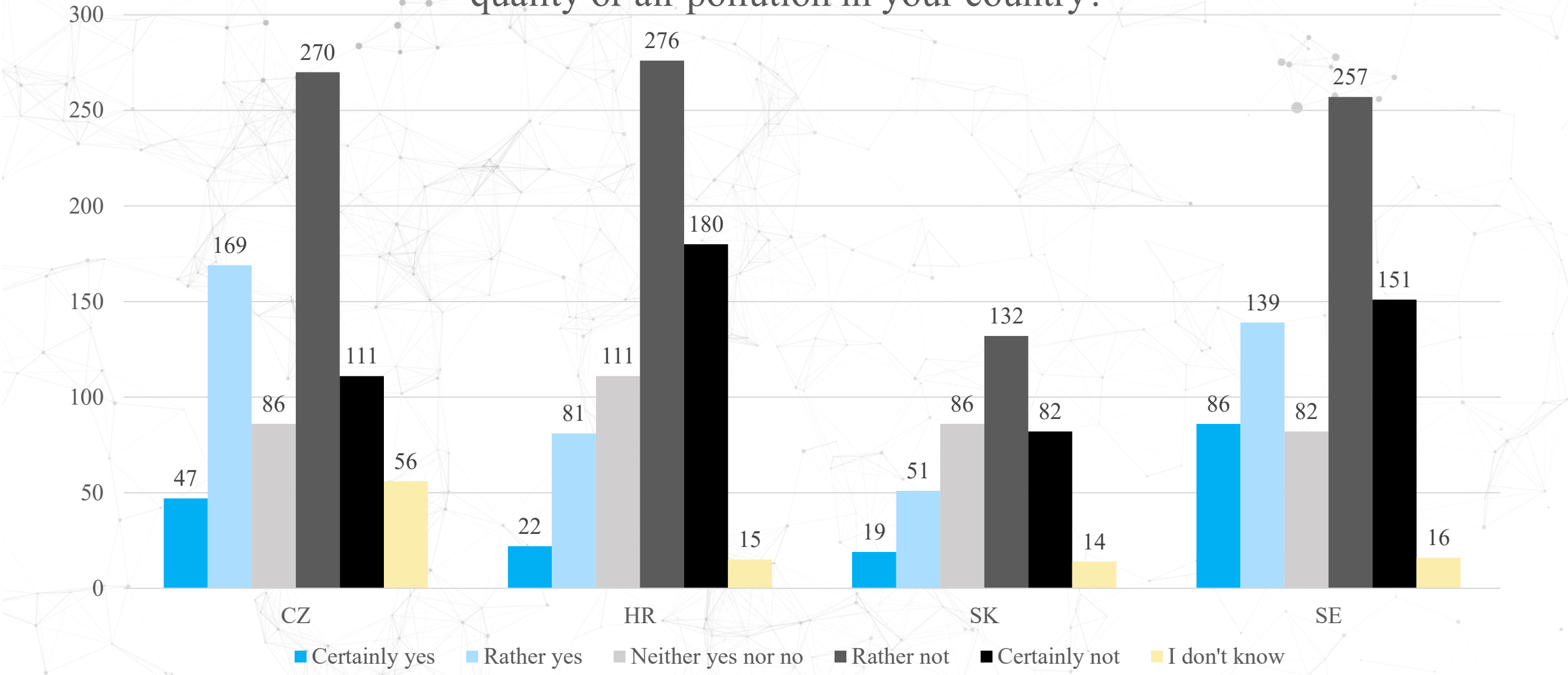
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Do you feel sufficiently informed about the consequences of air pollution on the environment?



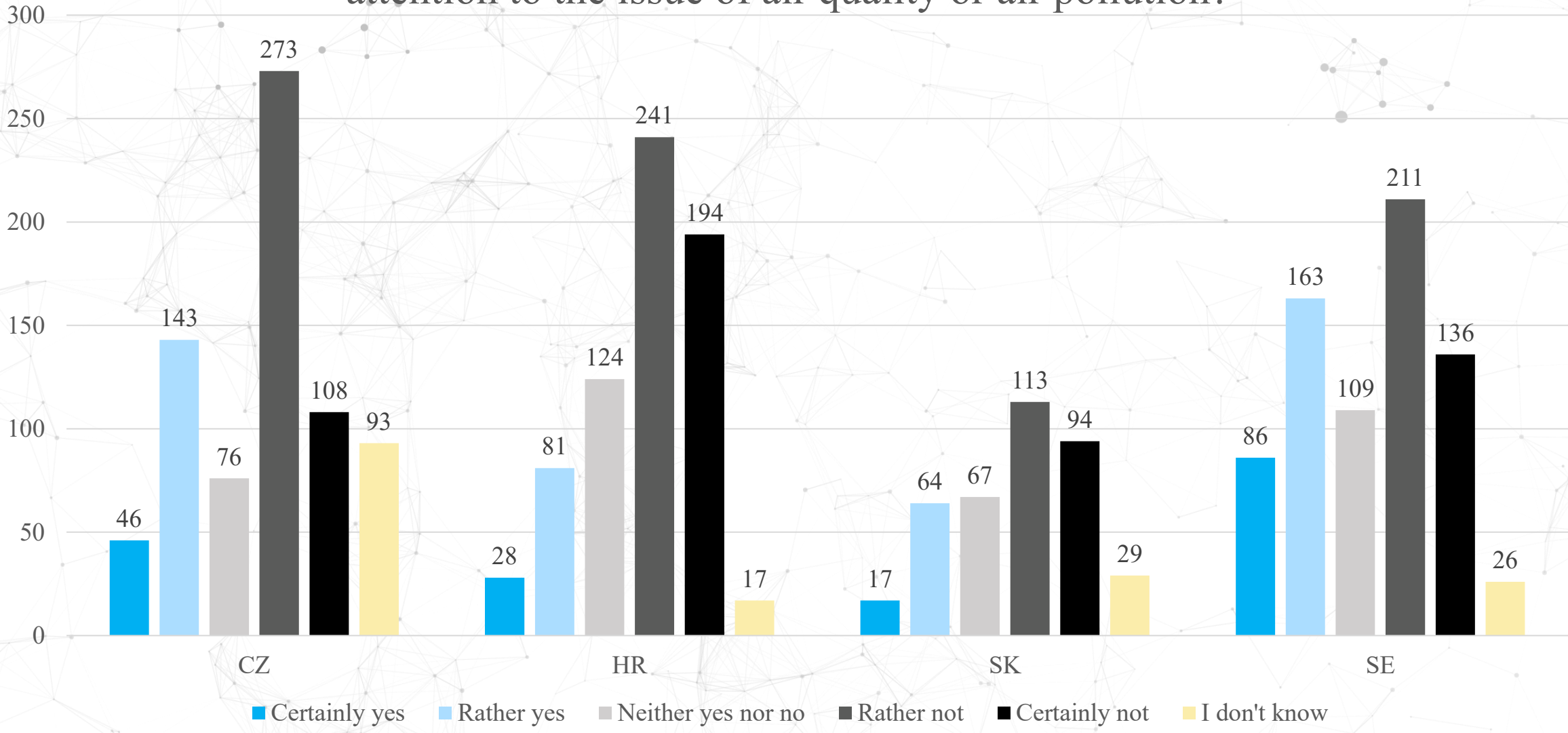
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Do you think that the media pays enough attention to the issue of air quality or air pollution in your country?



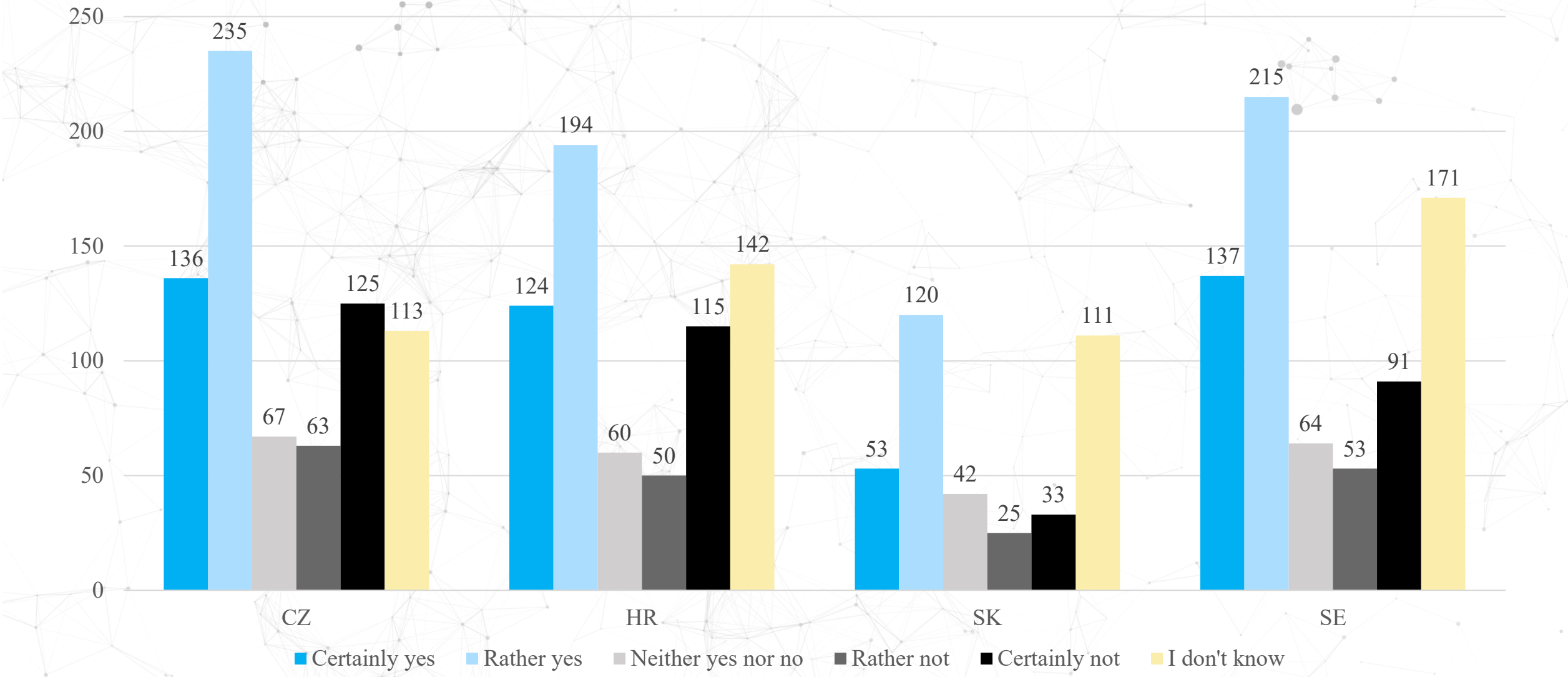
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Do you think that the school system in your country pays enough attention to the issue of air quality or air pollution?



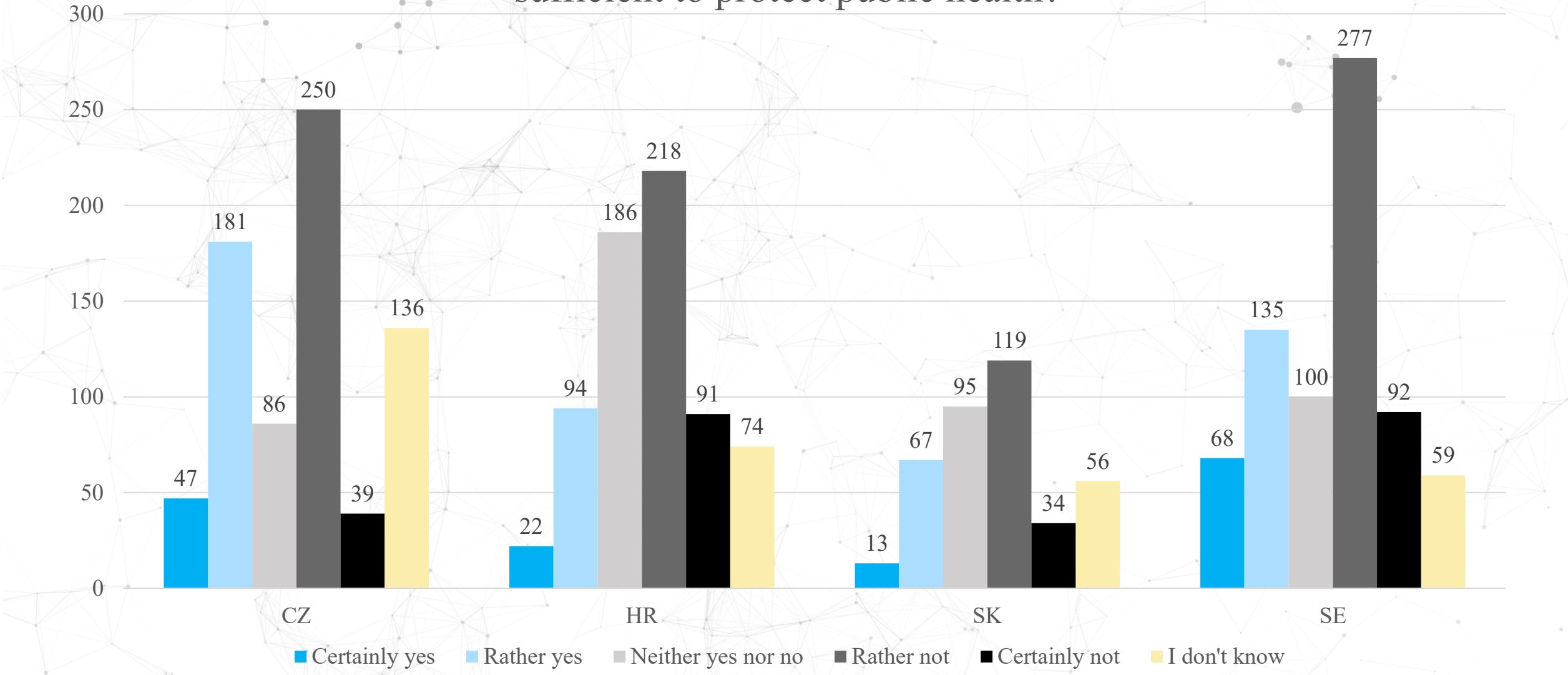
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Have you seen air quality problems solved somewhere?



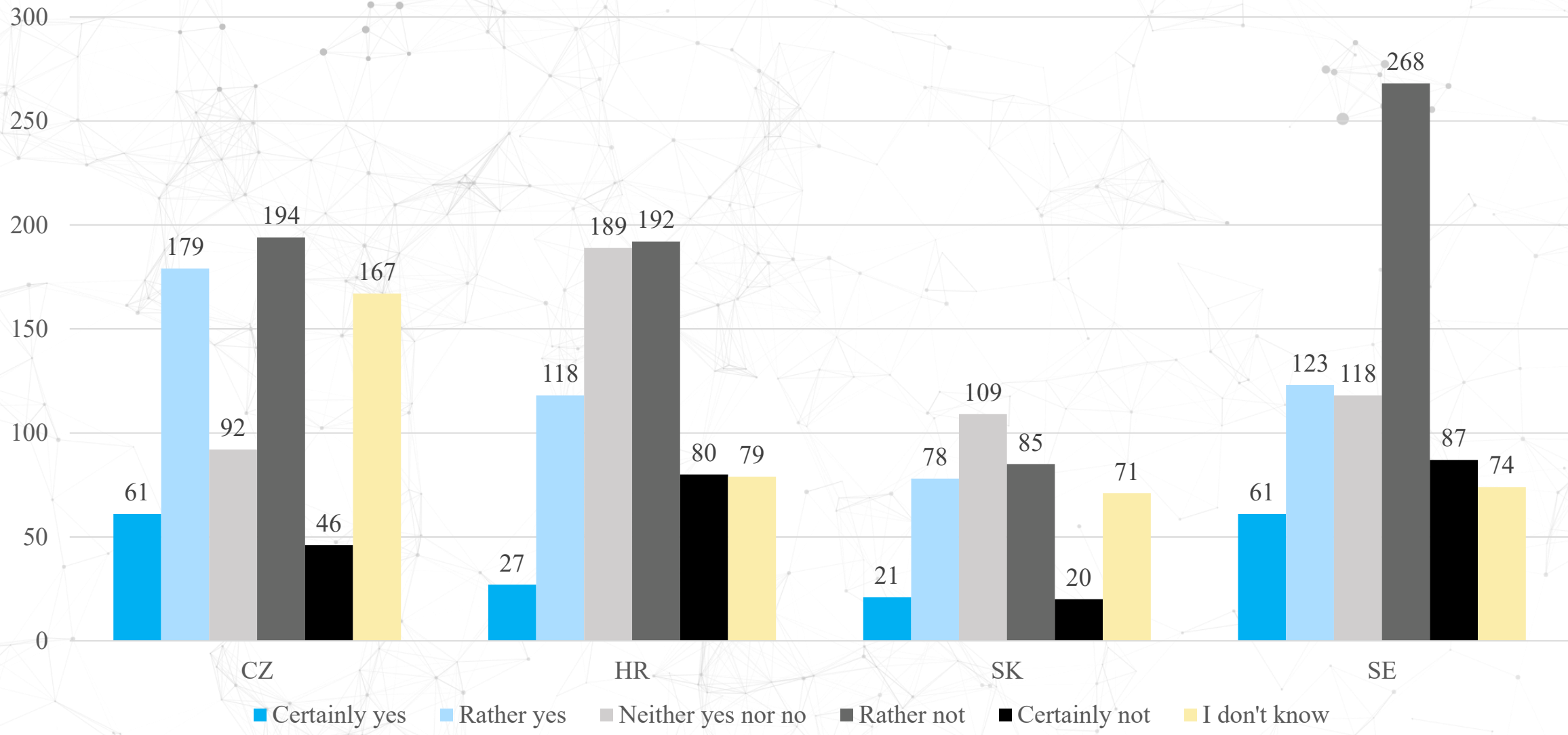
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Do you think that your national legislation related to air quality is sufficient to protect public health?



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Do you think EU legislation related to air quality is sufficient?



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Summary of results 1/3

- Environmental issues are very important (340) in SE and important in CZ (324), HR (287) and SK (171), less than 12 answer are unimportant in all countries,
- Environmental pollution is a serious problem certainly yes in SE (356) and rather yes in CZ (362), HR (298) and SK (184), certainly not was marked only by 14 and less reactions,
- Certainly yes the people are concerned about environmental pollution in SE (344), rather yes in CZ (359), HR (301) and SK (175), 16 and less people answered certainly not concerning about it,
- The most serious environmental problems are:
  CZ waste management and air pollution
  HR waste management and water pollution
  SK waste management and air pollution
  SE climate change and air pollution,
- The weather was changed in the last 20 years answered yes in all partner countries,
- Global warming is a threat to humanity certainly yes in all countries, certainly yes was 21 and less reactions.
- Humans are causing the global warming marked yes by all respondents, I don´t know was highlighted by 142 and less answers,
- The efforts to protect and improve the environment is sufficient marked rather not as the most answered option in all partner countries, rather yes (210) was answered in CZ, certainly not in HR (168) and in SE (158), rather not in SK (138),
- Individuals or family can try to contribute a positive change in the environment certainly yes in CZ (354) and SK (194), rather yes in SE (367), HR (348),
- Minimizing the environmental footprint in daily life: every day and several times a week,

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Summary of results 2/3

- Yes, regularly the respondents use a reusable shopping bag in all countries,
- Transportation:
  - CZ both (car and public)
  - HR car and both (car and public)
  - SK both (car and public) and car
  - SE both (car and public) and public
- Electro mobility is the future in terms of the environment certainly yes in SE (117) and HR (105), rather yes in SE (277) and HR (222) and SK (105), rather not in CZ (212) and SE (115) and certainly not in CZ (149) and HR (81),
- Nuclear energy is a cleaned and safe source of energy in HR (203) as certainly yes, CZ (262) and SE (167) and SK (113) marked as rather yes, rather not is significant as rather yes in SE,
- Best energy sources is the best for the future in solar, windy, watery same in all countries,
- Air quality is a serious problem definitely marked as rather yes in all countries, rather not is significant answer with rather yes in CZ,
- Rather yes is most marked answer about concerning the air quality in partner countries, rather not is high highlighted in CZ, HR as well, l17 and less answers was certainly not,
- Air quality problems affect respondent and his/her family: rather yes in all four countries, rather not (209)in CZ, in SE certainly yes (247) and neither yes or no in SK (81),
- Poor air quality is significant long-term health effect certainly yes in all 4 countries and rather yes in all four countries as well,
- Allergies, respiratory diseases, eye/nose/throat irritation, fatigue, headaches or cardiovascular diseases may be related to air quality certainly yes in HR (323) and SE (345), SK (169) and rather yes in CZ (319), rather not is marked by 46 and less people,

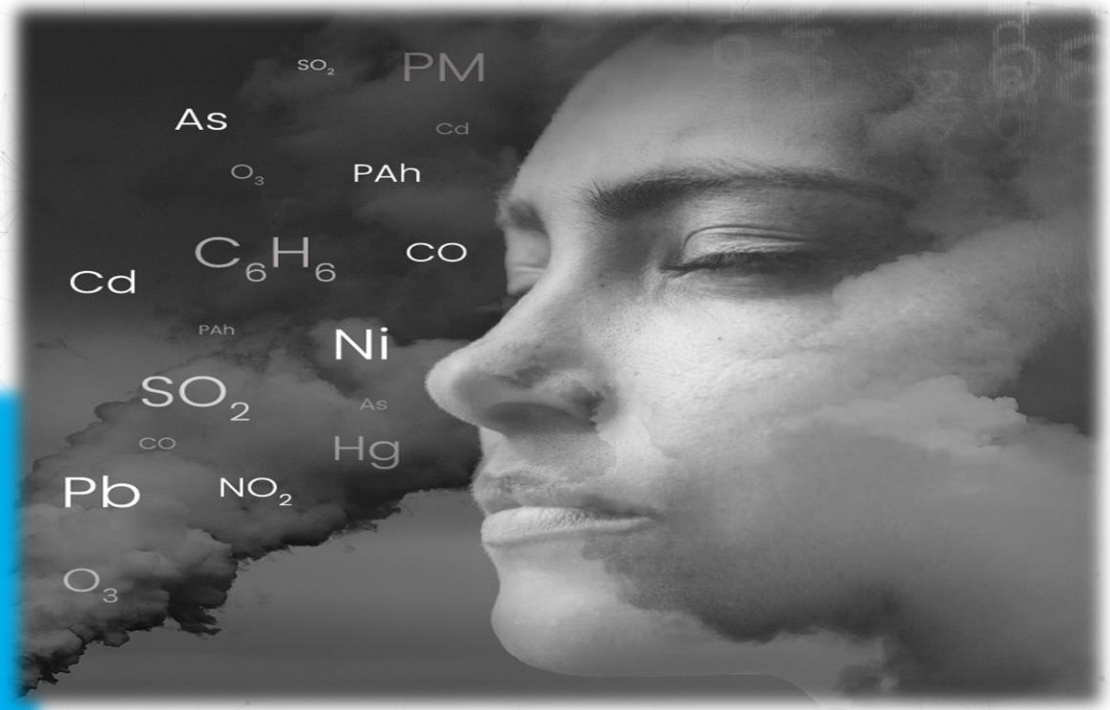
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Summary of results 3/3

- poor air quality also causes significant long-term damage to nature marked as certainly yes in HR (337), SK (166) and SE (382), and rather yes in CZ (348), rather or certainly not was answered only by 28 and less people,
- the effects of air pollution are a serious problem in all partner´s countries, in CZ big number of reactions (184) was as rather not, in HR (109),
- the air quality in place of residence deteriorated in recent years in HR (435), SE (478) and SK (187) absolutely yes, answer nope was marked in CZ (246), it´s the same in CZ (223) and HR (141), 77 and less answered they don´t know,
- sufficiently feeling informed about air quality problems in country marked rather not in all partner´s countries, rather yes in CZ, HR and SE, neither yes or no in SK,
- feel sufficiently informed about the health effects of air pollution rather not in all four countries, rather yes in CY, HR and SE and neither yes or no in SK,
- feel sufficiently informed about the consequences of air pollution on the environment rather not in CZ (281) and SK (129), rather yes in HR (245) and SE (255),
- the media pays enough attention to the issue of air quality or air pollution marked as rather not in all four countries, certainly not in HR and SK, rather yes in CZ and SE as a second most frequently answer,
- the school system pays enough attention to the issue of air quality or air pollution was marked as rather not in CZ (273), in SK (113), and SE (211), certainly not in HR (194),
- air quality problems solved somewhere was seen rather yes in all four countries but in HR, SK and SE was second answer that the respondents don´t know, in CZ second answer is certainly yes, certainly not was high marked in CZ, HR and SE,
- national legislation related to air quality is sufficient to protect public health is perceived as rather not in all four countries, than neither yes or no in HR and SK, rather yes in CZ and SE,
- EU legislation related to air quality is sufficient, definitely rather not in CZ (194), HR (192) and SE (268), neither yes or no in SK (109) and HR (189) as well, rather yes in CZ (179) and in SE (123)

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THANK YOU FOR YOUR ATTENTION

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