PROBLEMY EKOROZWOJU – PROBLEMS OF SUSTAINABLE DEVELOPMENT SUBMITTED: 01.10.22, ACCEPTED: 25.10.22, PUBLISHED ON-LINE: 1.01.23

2023, 18(1): 61-67 DOI: 10.35784/pe.2023.1.06

# Challenges of Sustainable Development in International Public Opinion

## Wyzwania zrównoważonego rozwoju w międzynarodowej opinii społecznej

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#### **Abstract**

The article examines the respondents' opinions on issues related to sustainable development and environmental protection. The analysis is based on the data from the International Social Survey Program, Environment 2022, which covers 14 countries (mainly in Europe and Asia). The findings show that health care, economy and the natural environment are the most important issues for the respondents. Environmental problems that are most frequently selected include: climate change, air pollution, chemicals and pesticides, and using up natural resources. The view that economic growth is necessary to protect the natural environment is relatively common (although those who disagree with this opinion also constitute a large group).

Key words: sustainable development, environment, International Social Survey Program, public opinion

**Slowa kluczowe:** rozwój zrównoważony, środowisko naturalne, International Social Survey Program, opinia społeczna

#### Introduction

Sustainable development is based on *three pillars*: society, economy and the environment, which need to be considered together. More in-depth analyses take into account also technical, legal and political dimension of sustainable development (Pawłowski, 2011). Nevertheless, the main idea is the same – people, the environment and the economy are all interrelated. A society that struggles with anxieties, poverty and diseases will not develop in the long run: social welfare and economic prosperity complement each other, and they both depend on a healthy biosphere. In June 1992, representatives of 179 countries gathered together in Rio de Janeiro to participate in the United Nations Conference on Environment and Development, commonly known as the Rio Earth Summit. One of the main documents signed during this conference was an action plan called Agenda 21, which set out the first steps towards sustainable development at local, national and international levels. The signatories declared to continue their actions regarding, among others, the social dimension (e.g.; combating poverty, promoting sustainable urban planning, strengthening the role of local governments and non-governmental organizations) and the environmental dimension (e.g.; protecting and managing ocean resources, combating deforestation). The Rio Summit was followed by other meetings that took place in 2002 and 2012, among others. In 2015, the 2030 Agenda for Sustainable Development was adopted at the UN Sustainable Development Summit. The Agenda includes 17 Sustainable Development Goals (Strange, Bayley, 2008).

To achieve the sustainable development goals, it is necessary to take actions that require making appropriate decisions at various levels of social and economic structure. These decisions are conditioned by many factors. One of these factors that is of great importance is the social component. On the one hand, the decisions that are taken concern and respond to real social needs and problems, and on the other hand, they are made in a specific social

and political context. It is impossible to solve any social problem if there is no public consent to undertake some actions aiming at solving this problem, but also the decision-makers will not be willing to take actions if these will have negative political consequences for them. Therefore, public opinion plays an important role in implementing the sustainable development goals, as actions that do not resonate with the public will not bring the expected results. Public opinion polls are crucial at every level (macro, meso and micro-social) of implementing the sustainable development goals.

Taking a broader perspective, it can be noted that one purpose of public opinion polls (in democratic societies) is to inform public policy making. Opinion polls provide a mechanism for succinctly presenting the views of the public to government leaders who make decisions that will affect society. Leaders often monitor the public pulse when making policy decisions, especially those decisions that have political implications (Paletz et al., 2012).

Public opinion polls on the sustainable development goals have been conducted both by individual researchers and by institutions (e.g., recently by Bain et al., 2019; IPSOS, 2021). These polls fit in with the earlier and much more extensive research on the public's views on the natural environment and ecological attitudes. As a serious scientific activity, research on environmental attitudes dates back to the 1970s. The first studies focused on policies that aimed at measuring the public's environmental concern and support for environmental policies formulated and implemented in most European countries in the late 1960s and early 1970s. Initially, sociologists were interested mainly in the socio-demographic background and political views of *ecologists*. The 80s and early 90s saw a significant development of the research on attitudes towards the natural environment. As global environmental problems started to grow, researchers focused on the multidimensional nature of social attitudes, the role of *environmental knowledge*, conditions for changing behaviors in order to protect the environment, and the public's consent to specific environmental policies. The key issue was a discrepancy between people's declared concern for the environment and their reluctance to become more engaged in pro-ecological behaviors (Rüdig, 2001).

The Sustainable Development Goals include: (1) ending poverty in all its forms everywhere, (2) ensuring healthy lives and promoting well-being for all at all ages, (3) ensuring inclusive and equitable quality education and promoting lifelong learning, (4) reducing inequality within and among countries, (5) making cities and human settlements inclusive, safe, resilient and sustainable, (6) restoring and promoting sustainable use of terrestrial ecosystems, sustainably managing forests, combating desertification, and halting and reversing land degradation and biodiversity loss, (7) promoting peaceful and inclusive societies for sustainable development, and (8) providing access to justice for all and building effective, accountable and inclusive institutions at all levels (Huck, 2022).

The aim of this article is to answer the following research questions: (1) what is (in the public opinion) the most important issue in their country today? (2) what is (in the public opinion) the most important environmental problem in their country today? (3) to what extent do these views differ from country to country? (4) what is the public opinion on the relationship between economic growth and protection of the environment? (5) to what extent do these opinions differ from country to country?

#### Methodology

The article is based on the most recent data from the International Social Survey Program (ISSP) – Environment. The data comes from the surveys conducted between 2019 and 2021 and was made available in the fall of 2022. The ISSP is an international comparative research project carried out annually in many countries worldwide. The main idea of the project is to measure variables covering a broad scope of social life, on a regular basis. The ISSP thematic modules are repeated every few years, which enables to observe changes in the selected phenomena. One of the ISSP modules is the ISSP Environment, which was implemented in the years: 1993, 2000, 2010, and between 2019 and 2021 (with most surveys conducted in 2020 and 2021).

14 countries took part in the current edition of the ISSP Environment. These were: Austria, Taiwan, Denmark, Finland, Germany, Hungary, Iceland, Japan, New Zealand, Philippines, Russia, Slovenia, Switzerland, and Thailand (listed in the order of the data set). In total, the research sample consisted of 21,718 respondents. Table 1 shows sample sizes for each country taking into account the year of the survey. The following research methods and techniques were used to collect the data: face-to-face interview: computer-assisted (CAPI / CAMI), telephone interview, self-administered questionnaire: paper, self-administered questionnaire: web-based (CAWI), web-based interview, face-to-face interview: paper-and-pencil (PAPI). The obtained sample is a multi-stage random sample. Most respondents were over 18 years old, except for those in Denmark (who were 18 and over 18) and Finland (over 15) (ISSP, 2022).

A question may be asked about what population is represented in the survey results. Certainly, the sample is not representative of the worldwide population, as the respondents come only from Europe and Asia. This is a methodological problem. That is why, despite the random selection of samples, we use the terminology referring to the structure of particular samples rather than to the population.

Table 1. Sample of ISSP Environment 2019-2021 by country and year of research

| Table 1. Sample of |   |        |        |        |        |
|--------------------|---|--------|--------|--------|--------|
| Country            |   | 2019   | 2020   | 2021   | Total  |
| Austria            | n | 0      | 0      | 1261   | 1261   |
|                    | % | 0.0%   | 0.0%   | 100.0% | 100.0% |
| Taiwan             | n | 0      | 1820   | 2      | 1822   |
|                    | % | 0.0%   | 99.9%  | 0.1%   | 100.0% |
| Denmark            | n | 0      | 1198   | 0      | 1198   |
|                    | % | 0.0%   | 100.0% | 0.0%   | 100.0% |
| Finland            | n | 0      | 1137   | 0      | 1137   |
|                    | % | 0.0%   | 100.0% | 0.0%   | 100.0% |
| Germany            | n | 0      | 0      | 1702   | 1702   |
|                    | % | 0.0%   | 0.0%   | 100.0% | 100.0% |
| Hungary            | n | 1001   | 0      | 0      | 1001   |
|                    | % | 100.0% | 0.0%   | 0.0%   | 100.0% |
| Iceland            | n | 0      | 308    | 842    | 1150   |
|                    | % | 0.0%   | 26.8%  | 73.2%  | 100.0% |
| Japan              | n | 0      | 1491   | 0      | 1491   |
|                    | % | 0.0%   | 100.0% | 0.0%   | 100.0% |
| New Zealand        | n | 0      | 0      | 993    | 993    |
|                    | % | 0.0%   | 0.0%   | 100.0% | 100.0% |
| Philippines        | n | 0      | 0      | 1500   | 1500   |
|                    | % | 0.0%   | 0.0%   | 100.0% | 100.0% |
| Russia             | n | 0      | 0      | 1583   | 1583   |
|                    | % | 0.0%   | 0.0%   | 100.0% | 100.0% |
| Slovenia           | n | 0      | 966    | 136    | 1102   |
|                    | % | 0.0%   | 87.7%  | 12.3%  | 100.0% |
| Switzerland        | n | 0      | 4280   | 0      | 4280   |
|                    | % | 0.0%   | 100.0% | 0.0%   | 100.0% |
| Thailand           | n | 0      | 0      | 1498   | 1498   |
|                    | % | 0.0%   | 0.0%   | 100.0% | 100.0% |
| Total              | n | 1001   | 11200  | 9517   | 21718  |
|                    | % | 4.6%   | 51.6%  | 43.8%  | 100.0% |

#### Results

The issues that respondents were asked about included: health care, education, environment, crime, terrorism, poverty, and immigration (*which of these issues is the most important for your country today?*). They are related to the sustainable development goals mentioned in the introduction.

Overall, health care topped the list of the most important issues, with over 37% responses in total (Table 2). It was most often indicated by inhabitants of Hungary, Slovenia, Austria and Iceland (approx. 48-55%), as well as in Germany and the Philippines (approx. 40-42%). Even in those countries where health care was not considered to be a very important issue (Taiwan, Denmark and Japan), it was still selected by no fewer than 25% of respondents. The second most important issue for respondents was economy (approx. 20% in total). Economy was most often selected by inhabitants of Japan, Thailand and Finland (approx. 36-40%) and the least often by those living in Switzerland, Germany and Hungary (approx. 8-10%). Third in importance was the environment (approx. 13% in total). The environment was most often ranked as the most important issue in Switzerland (approx. 26%), Denmark and Germany (approx. 21-22%). Residents of the Philippines, Russia and Thailand, but also those living in Hungary and Slovenia were the least likely to rank environment as the most important issue (less than 2% and approx. 2.7% respectively). Approx. 12% of respondents chose education as the most important issue. These were most often residents of Taiwan and the Philippines (approx. 27%) and the least often – residents of Slovenia (2.7%), Finland (5.3%), and Austria, Thailand and Russia (approx. 7-8%). 9.5% of respondents saw poverty as the most worrying or pathological issue. This problem was selected as the most important one by approx. 22-23% of residents in Russia and Thailand and 13-17% of residents in Hungary, New Zealand, Slovenia and the Philippines. Inhabitants of Taiwan, Denmark and Switzerland were the least likely to view poverty as the most worrying issue (approx. 2-5%). Another social issue was immigration, which was viewed as top concern by 5% of respondents – most often in Denmark and Switzerland (approx. 10%), and the least often in Taiwan, the Philippines and Thailand (0.1-0.3%). Crime was rated as the most important issue by 2.5% of respondents in total, with inhabitants of Taiwan most likely to rank it as the top issue (approx. 8%), and inhabitants of Finland, Iceland and Thailand being the least likely to choose it (0.2-0.5%). Terrorism was at the bottom of the list with only 0.7% responses in total. It was selected relatively frequently by respondents in Russia (approx. 2%).

Country Health care Education Crime Poverty Environ-Immigration | Economy Terrorism None of ment these 49 75 228 12 9 Austria 603 84 122 68 % 6.7% 3.9% 6.0% 1.0% 0.7% 48.2% 9.8% 18.2% 5.4% 455 144 200 417 19 19 Taiwan 453 42 6 25.9% 8.2% 0.3% 1.1% 2.4% % 25.8% 11.4% 23.8% 1.1% Denmark 306 127 26 251 116 279 8 34 12 n % 26.4% 11.0% 2.2% 21.7% 10.0% 24.1% 0.7% 2.9% 1.0% Finland 411 59 5 117 51 403 1 46 14 n 37.1% 5.3% 0.5% 10.6% 4.6% 36.4% 0.1% 4.2% 1.3% % 650 218 28 337 100 167 14 19 Germany n 72 40.5% 13.6% 1.7% 21.0% 6.2% 10.4% 0.9% 4.5% 1.2% % 99 9 129 3 Hungary n 542 87 35 26 63 10.0% 0.9% % 54.6% 8.8% 3.5% 2.6% 6.3% 13.0% 0.3% Iceland n 595 81 6 124 20 181 0 86 9 % 54.0% 7.4% 0.5% 11.3% 1.8% 16.4% 0.0% 7.8% 0.8% Japan n 372 138 48 153 18 593 14 97 16 % 25.7% 9.5% 3.3% 10.6% 1.2% 40.9% 1.0% 6.7% 1.1% New 289 100 28 138 32 224 1 138 11 n 10.4% 14.4% % 30.1% 2.9% 14.4% 3.3% 23.3% 0.1% 1.1% Zealand Philippines 624 384 23 20 2 174 4 256 n 25.7% 17.2% % 41.8% 1.5% 1.3% 0.1% 11.7% 0.3% 0.3% 123 55 Russia 588 26 56 307 28 n 361 11 23.2% 7.9% 3.5% 1.7% 3.6% 19.7% % 37.8% 1.8% 0.7% Slovenia 538 29 31 29 51 195 142 48 n 2.9% 4.5% % 50.5% 2.7% 2.7% 4.8% 18.3% 0.3% 13.3% Switzerland 210 n 1455 474 48 1093 429 18 81 8.2% 0.4% 5.1% 2.0% % 35.1% 11.4% 1.2% 26.4% 10.3% Thailand 3 n 413 118 24 584 11 316 39.7% 21.5% % 28.1% 8.0% 0.2% 1.6% 0.1% 0.7% 0.1% Total 7839 2477 529 2660 1020 4189 142 258 37.1% 19.8% 9.5% 11.7% 2.5% 12.6% 4.8% 0.7% 1.2%

Table 2. Opinions on most important issue today by country

Respondents were also asked about the most important environmental problem in their country (as a whole). They were most likely to choose (total data for all countries participating in the survey): climate change (approx. 30%) and air pollution (approx. 17%), slightly less likely – chemicals and pesticides, and using up natural resources (approx. 10%), domestic waste disposal (approx. 9%), and water pollution (approx. 7%) (Table 3).

Climate change as the top environmental problem was selected most often in Japan, Iceland, Finland and Germany (approx. 43-49%) and slightly less often – by inhabitants of Switzerland, Austria and Denmark (approx. 33-38%). Russians were the least likely to rank climate change as the top environmental problem (approx. 7%). Inhabitants of Taiwan (approx. 50%), as well as respondents from Thailand (approx. 37%) and the Philippines and Russia (approx. 23%) were most likely to select air pollution as the key environmental problem in their country whereas residents of New Zealand, the Philippines, Finland and Switzerland were the least likely to consider this issue as the most important environmental problem in their country (approx. 5-8%). Chemicals and pesticides were viewed as the most important environmental problem by inhabitants of Switzerland, Denmark, Slovenia and Thailand (approx. 13-19%), while the problems related to depletion of natural resources were most often reported by inhabitants of Iceland, Switzerland, Finland and Germany (approx. 12-16%). Residents of the Philippines, Russia, Slovenia and Thailand were the most likely to view domestic waste disposal as the top environmental problem (approx. 16-20%). Water pollution was most often mentioned by inhabitants of New Zealand (approx. 20%), as well as in Slovenia, Denmark and Finland (approx. 13-15%).

Another two problems concerned the public's opinion on the relation between economic growth and environmental protection. Respondents were asked two questions: *How much do you agree or disagree with the statement that in order to protect the environment your country needs economic growth?* and *How much do you agree or disagree with the statement that economic growth always harms the environment?* These two related questions reflect the complexity of the analyzed issues.

169

10.9% 76

7.1% 659

15.8% 97

6.7%

10.4%

Chemicals Water Domestic Genetically Using up Air pol-Water Nuclear Climate None of and pestipollution waste dismodified our natural shortage change these lution waste resources Austria 10.0% 101 5.9% 164 6.1% 10.0% 99 9.5% 859 4.6% 60 Taiwan 50.3% 97 .8% 46 Denmark 8.6% 14.6% 3.5% 13.9% 1.2% 5.2% 37.0% 500 4.1% 10.8% Finland 2.9% 82 7.1% 111 7.3% 162 0.5% 134 3.4% 107 45.7% 697 13.0% 196 n % Germany 10.0% 126 4.4% 89 2.8% 82 6.8% 181 8.3% 61 6.6% 12.1% Hungary n % 6.2% 18.3% 160 14.7% 12.8% 69 6.4% 9.0% 19 1.7% 5.8% 8.3% 145 26.5% 468 43.1% 6.7% 151 13.9% Iceland 0.9% 369 13.4% Japan 81 717 5.6% 48 2.0% 193 1.7% 24 2.4% 25.4% 10 6.7% 123 49.4% New Zealand 261 131 66 66 5.1% 20.6% 2.6% 7.1% 14.0% 1.1% 7.1% 52 3.5% 289 19.7% 411 28.0% Philippines 15 1.0% 72 4.9%

4.0% 115

7.4% 31 2.9% 288

6.9%

0.3%

1258 6.0%

287 18.5%

16.3% 109

2.6% 231 15.9%

1908 9.1%

103

168

6.6%

15.7% 1362

32.8% 150 10.3%

10.0% 97

9.1% 204

4.9%

0.3%

Table 3. Opinions on most important environmental problem today by country

Table 4. Opinions on the statement: in order to protect the environment of the country needs economic growth by country

180

11.6%

15.0% 234

5.6%

3.1%

23.2% 192

17.9% 341

3505

16.7%

360

123

143

13.4% 779

18.7% 190 13.0%

10.6%

30

14

116

140

Russia

Slovenia

Thailand

Total

Switzerland

%

%

<u>n</u> %

|             |   | Agree strongly | Agree | Neither agree<br>nor disagree | Disagree | Disagree<br>strongly |
|-------------|---|----------------|-------|-------------------------------|----------|----------------------|
| Austria     | n | 71             | 321   | 367                           | 315      | 115                  |
|             | % | 6.0%           | 27.0% | 30.9%                         | 26.5%    | 9.7%                 |
| Taiwan      | n | 67             | 954   | 132                           | 570      | 27                   |
|             | % | 3.8%           | 54.5% | 7.5%                          | 32.6%    | 1.5%                 |
| Denmark     | n | 136            | 333   | 258                           | 169      | 103                  |
|             | % | 13.6%          | 33.3% | 25.8%                         | 16.9%    | 10.3%                |
| Finland     | n | 66             | 273   | 279                           | 301      | 95                   |
|             | % | 6.5%           | 26.9% | 27.5%                         | 29.7%    | 9.4%                 |
| Germany     | n | 114            | 405   | 407                           | 461      | 149                  |
|             | % | 7.4%           | 26.4% | 26.5%                         | 30.0%    | 9.7%                 |
| Hungary     | n | 80             | 324   | 335                           | 192      | 22                   |
|             | % | 8.4%           | 34.0% | 35.2%                         | 20,1%    | 2.3%                 |
| Iceland     | n | 50             | 223   | 379                           | 279      | 121                  |
|             | % | 4.8%           | 21.2% | 36.0%                         | 26.5%    | 11.5%                |
| Japan       | n | 226            | 467   | 528                           | 87       | 47                   |
|             | % | 16.7%          | 34.5% | 39.0%                         | 6.4%     | 3.5%                 |
| New Zealand | n | 85             | 313   | 294                           | 197      | 57                   |
|             | % | 9.0%           | 33.1% | 31.1%                         | 20.8%    | 6.0%                 |
| Philippines | n | 276            | 872   | 252                           | 79       | 12                   |
|             | % | 18.5%          | 58.5% | 16.9%                         | 5.3%     | 0.8%                 |
| Russia      | n | 611            | 422   | 248                           | 157      | 94                   |
|             | % | 39.9%          | 27.5% | 16.2%                         | 10.2%    | 6.1%                 |
| Slovenia    | n | 94             | 333   | 339                           | 209      | 58                   |
|             | % | 9.1%           | 32.2% | 32.8%                         | 20.2%    | 5.6%                 |
| Switzerland | n | 116            | 623   | 1152                          | 1572     | 569                  |
|             | % | 2.9%           | 15.5% | 28.6%                         | 39.0%    | 14.1%                |
| Thailand    | n | 297            | 686   | 221                           | 147      | 42                   |
|             | % | 21.3%          | 49.2% | 15.9%                         | 10.6%    | 3.0%                 |
| Total       |   | 2289           | 6549  | 5191                          | 4735     | 1511                 |
|             |   | 11.3%          | 32.3% | 25.6%                         | 23.4%    | 7.5%                 |

Taking into account the opinions of all respondents – no matter what country they came from, it can be concluded that approx. 11% of them strongly agree with the statement that their country needs economic growth in order to protect the environment (Table 4). Approx. 32% of respondents agree with this statement, 23.4% - disagree, and 7.5% - strongly disagree. Overall, nearly 44% agree that their country needs economic growth in order to protect

the environment, whereas approx. 31% disagree (approx. 26% of respondents neither agree nor disagree with this statement). Thus, the majority of respondents support the opinion that economic growth is necessary for protecting the natural environment. The difference in opinions, however, is not large and amounts to approx. 13%.

| Taiwan   | Table 5. Opi | nions o | n the statemer | nt <i>economic</i> g | growth harms th | e environmer | t by country |
|--|--------------|---------|----------------|----------------------|-----------------|--------------|--------------|
| Taiwan   |              |         |                | Agree                | U               | Disagree     |              |
| Taiwan n 124 1092 106 424 11   % 7.1% 62.2% 6.0% 24.1% 0.6%   Denmark n 50 145 227 301 228   % 5.3% 15.2% 23.9% 31.7% 24.0%   Finland n 42 195 282 403 127   % 4.0% 18.6% 26.9% 38.4% 12.1%   Germany n 98 355 387 561 144   Germany n 98 355 387 561 144   Hungary n 90 354 311 185 26   % 9.3% 36.6% 32.2% 19.2% 2.7%   Iceland n 29 88 359 430 142   Japan n 110 319 650 184 100   % 8.1% 23.4% 47.7% <   | Austria      | n       | 85             | 392                  | 418             | 251          | 58           |
| March   Marc |              | %       | 7.1%           | 32.6%                | 34.7%           | 20.8%        | 4.8%         |
| Denmark n 50 145 227 301 228   % 5.3% 15.2% 23.9% 31.7% 24.0%   Finland n 42 195 282 403 127   % 4.0% 18.6% 26.9% 38.4% 12.1%   Germany n 98 355 387 561 144   % 6.3% 23.0% 25.0% 36.3% 9.3%   Hungary n 90 354 311 185 26   Iceland n 29 88 359 430 142   Japan n 110 319 650 184 100   New Zealand n 30 154  | Taiwan       | n       | 124            | 1092                 | 106             | 424          | 11           |
| Finland n 42 195 23.9% 31.7% 24.0%   Finland n 42 195 282 403 127   % 4.0% 18.6% 26.9% 38.4% 12.1%   Germany n 98 355 387 561 144   % 6.3% 23.0% 25.0% 36.3% 9.3%   Hungary n 90 354 311 185 26   % 9.3% 36.6% 32.2% 19.2% 2.7%   Iceland n 29 88 359 430 142   Japan n 110 319 650 184 100   % 8.1% 23.4% 47.7% 13.5% 7.3%   New Zealand n 30 154 318 377 75   % 3.1% 16.1% 33.3% 39.5% 7.9%   Philippines n 101 438 41   |              | %       | 7.1%           | 62.2%                | 6.0%            | 24.1%        | 0.6%         |
| Finland n 42 195 282 403 127   % 4.0% 18.6% 26.9% 38.4% 12.1%   Germany n 98 355 387 561 144   % 6.3% 23.0% 25.0% 36.3% 9.3%   Hungary n 90 354 311 185 26   % 9.3% 36.6% 32.2% 19.2% 2.7%   Iceland n 29 88 359 430 142   % 2.8% 8.4% 34.3% 41.0% 13.5%   Japan n 110 319 650 184 100   % 8.1% 23.4% 47.7% 13.5% 7.3%   New Zealand n 30 154 318 377 75   % 3.1% 16.1% 33.3% 39.5% 7.9%   Philippines n 101 438 418 460   | Denmark      | n       | 50             | 145                  | 227             | 301          | 228          |
| Germany 4.0% 18.6% 26.9% 38.4% 12.1%   Germany n 98 355 387 561 144   % 6.3% 23.0% 25.0% 36.3% 9.3%   Hungary n 90 354 311 185 26   % 9.3% 36.6% 32.2% 19.2% 2.7%   Iceland n 29 88 359 430 142   % 2.8% 8.4% 34.3% 41.0% 13.5%   Japan n 110 319 650 184 100   % 8.1% 23.4% 47.7% 13.5% 7.3%   New Zealand n 30 154 318 377 75   % 3.1% 16.1% 33.3% 39.5% 7.9%   Philippines n 101 438 418 460 58   Russia n 255 284 376 <td></td> <td>%</td> <td>5.3%</td> <td>15.2%</td> <td>23.9%</td> <td>31.7%</td> <td>24.0%</td>   |              | %       | 5.3%           | 15.2%                | 23.9%           | 31.7%        | 24.0%        |
| Germany n 98 355 387 561 144   % 6.3% 23.0% 25.0% 36.3% 9.3%   Hungary n 90 354 311 185 26   % 9.3% 36.6% 32.2% 19.2% 2.7%   Iceland n 29 88 359 430 142   % 2.8% 8.4% 34.3% 41.0% 13.5%   Japan n 110 319 650 184 100   % 8.1% 23.4% 47.7% 13.5% 7.3%   New Zealand n 30 154 318 377 75   % 3.1% 16.1% 33.3% 39.5% 7.9%   Philippines n 101 438 418 460 58   % 6.8% 29.7% 28.3% 31.2% 3.9%   Russia n 255 284 376 394 </td <td>Finland</td> <td>n</td> <td>42</td> <td>195</td> <td>282</td> <td>403</td> <td>127</td>  | Finland      | n       | 42             | 195                  | 282             | 403          | 127          |
| Hungary  |              | %       | 4.0%           | 18.6%                | 26.9%           | 38.4%        | 12.1%        |
| Hungary  | Germany      | n       | 98             | 355                  | 387             | 561          | 144          |
| New Zealand  |              | %       | 6.3%           | 23.0%                | 25.0%           | 36.3%        | 9.3%         |
| Celand   | Hungary      | n       | 90             | 354                  | 311             | 185          | 26           |
| New Zealand  |              | %       | 9.3%           | 36.6%                | 32.2%           | 19.2%        | 2.7%         |
| Japan n 110 319 650 184 100   % 8.1% 23.4% 47.7% 13.5% 7.3%   New Zealand n 30 154 318 377 75   % 3.1% 16.1% 33.3% 39.5% 7.9%   Philippines n 101 438 418 460 58   % 6.8% 29.7% 28.3% 31.2% 3.9%   Russia n 255 284 376 394 200   % 16.9% 18.8% 24.9% 26.1% 13.3%   Slovenia n 60 235 394 300 61   % 5.7% 22.4% 37.5% 28.6% 5.8%   Switzerland n 305 1276 1206 1120 175   % 7.5% 31.3% 29.5% 27.4% 4.3%   Thailand n 374 643 191   | Iceland      | n       | 29             | 88                   | 359             | 430          | 142          |
| New Zealand  |              | %       | 2.8%           | 8.4%                 | 34.3%           | 41.0%        | 13.5%        |
| New Zealand n 30 154 318 377 75   % 3.1% 16.1% 33.3% 39.5% 7.9%   Philippines n 101 438 418 460 58   % 6.8% 29.7% 28.3% 31.2% 3.9%   Russia n 255 284 376 394 200   % 16.9% 18.8% 24.9% 26.1% 13.3%   Slovenia n 60 235 394 300 61   % 5.7% 22.4% 37.5% 28.6% 5.8%   Switzerland n 305 1276 1206 1120 175   % 7.5% 31.3% 29.5% 27.4% 4.3%   Thailand n 374 643 191 145 44   % 26.8% 46.0% 13.7% 10.4% 3.1%   Total 1753 5970 5643 5535 <td>Japan</td> <td>n</td> <td>110</td> <td>319</td> <td>650</td> <td>184</td> <td>100</td>  | Japan        | n       | 110            | 319                  | 650             | 184          | 100          |
| Mathematical Philippines   |              | %       | 8.1%           | 23.4%                | 47.7%           | 13.5%        | 7.3%         |
| Philippines n 101 438 418 460 58   % 6.8% 29.7% 28.3% 31.2% 3.9%   Russia n 255 284 376 394 200   % 16.9% 18.8% 24.9% 26.1% 13.3%   Slovenia n 60 235 394 300 61   % 5.7% 22.4% 37.5% 28.6% 5.8%   Switzerland n 305 1276 1206 1120 175   % 7.5% 31.3% 29.5% 27.4% 4.3%   Thailand n 374 643 191 145 44   % 26.8% 46.0% 13.7% 10.4% 3.1%   Total 1753 5970 5643 5535 1449  | New Zealand  | n       | 30             | 154                  | 318             | 377          | 75           |
| % 6.8% 29.7% 28.3% 31.2% 3.9%   Russia n 255 284 376 394 200   % 16.9% 18.8% 24.9% 26.1% 13.3%   Slovenia n 60 235 394 300 61   % 5.7% 22.4% 37.5% 28.6% 5.8%   Switzerland n 305 1276 1206 1120 175   % 7.5% 31.3% 29.5% 27.4% 4.3%   Thailand n 374 643 191 145 44   % 26.8% 46.0% 13.7% 10.4% 3.1%   Total 1753 5970 5643 5535 1449   |              | %       | 3.1%           | 16.1%                | 33.3%           | 39.5%        | 7.9%         |
| Russia n 255 284 376 394 200   % 16.9% 18.8% 24.9% 26.1% 13.3%   Slovenia n 60 235 394 300 61   % 5.7% 22.4% 37.5% 28.6% 5.8%   Switzerland n 305 1276 1206 1120 175   % 7.5% 31.3% 29.5% 27.4% 4.3%   Thailand n 374 643 191 145 44   % 26.8% 46.0% 13.7% 10.4% 3.1%   Total 1753 5970 5643 5535 1449   | Philippines  | n       | 101            | 438                  | 418             | 460          | 58           |
| Name   |              | %       | 6.8%           | 29.7%                | 28.3%           | 31.2%        | 3.9%         |
| Slovenia n 60 235 394 300 61   % 5.7% 22.4% 37.5% 28.6% 5.8%   Switzerland n 305 1276 1206 1120 175   % 7.5% 31.3% 29.5% 27.4% 4.3%   Thailand n 374 643 191 145 44   % 26.8% 46.0% 13.7% 10.4% 3.1%   Total 1753 5970 5643 5535 1449  | Russia       | n       | 255            | 284                  | 376             | 394          | 200          |
| % 5.7% 22.4% 37.5% 28.6% 5.8%   Switzerland n 305 1276 1206 1120 175   % 7.5% 31.3% 29.5% 27.4% 4.3%   Thailand n 374 643 191 145 44   % 26.8% 46.0% 13.7% 10.4% 3.1%   Total 1753 5970 5643 5535 1449   |              | %       | 16.9%          | 18.8%                | 24.9%           | 26.1%        | 13.3%        |
| Switzerland n 305 1276 1206 1120 175   % 7.5% 31.3% 29.5% 27.4% 4.3%   Thailand n 374 643 191 145 44   % 26.8% 46.0% 13.7% 10.4% 3.1%   Total 1753 5970 5643 5535 1449   | Slovenia     | n       | 60             | 235                  | 394             | 300          | 61           |
| % 7.5% 31.3% 29.5% 27.4% 4.3%   Thailand n 374 643 191 145 44   % 26.8% 46.0% 13.7% 10.4% 3.1%   Total 1753 5970 5643 5535 1449  |              | %       | 5.7%           | 22.4%                | 37.5%           | 28.6%        | 5.8%         |
| Thailand n 374 643 191 145 44   % 26.8% 46.0% 13.7% 10.4% 3.1%   Total 1753 5970 5643 5535 1449  | Switzerland  | n       | 305            | 1276                 | 1206            | 1120         | 175          |
| % 26.8% 46.0% 13.7% 10.4% 3.1%   Total 1753 5970 5643 5535 1449  |              | %       | 7.5%           | 31.3%                | 29.5%           | 27.4%        | 4.3%         |
| Total 1753 5970 5643 5535 1449   | Thailand     | n       | 374            | 643                  | 191             | 145          | 44           |
|  |              | %       | 26.8%          | 46.0%                | 13.7%           | 10.4%        | 3.1%         |
| 8.6% 29.3% 27.7% 27.2% 7.1%  | Total        |         | 1753           | 5970                 | 5643            | 5535         | 1449         |
|  |              |         | 8.6%           | 29.3%                | 27.7%           | 27.2%        | 7.1%         |

Inhabitants of the Philippines (approx. 77%), Thailand (approx. 70%) and Taiwan (approx. 58%) express the strongest support for the statement that economic growth is necessary for environmental protection (answers definitely yes and yes combined), whereas those who disagree with this statement (answers definitely not and no combined) live mainly in Switzerland (approx. 53%), Finland, Iceland and Germany (approx. 38-40%).

On the other hand, many respondents see negative effects of economic growth on the natural environment. This view is strongly supported by 8.6% of respondents, supported by 29.3%, 27.2% disagree with this opinion, and 7.1% strongly disagree (Table 5). In total, the view that economic growth harms environment is favored by approx. 38%, whereas 34.3% of respondents disagree with it (approx. 28% of respondents neither agree nor disagree with this statement).

The opinion about the negative impact of economic growth on environmental protection is mostly favored (answers definitely yes and yes combined) in Taiwan (approx. 73%) and Thailand (approx. 70%). On the other hand, most opponents of this view (answers definitely not and no) can be found in Denmark (approx. 56%) and Finland (approx. 51%), as well as in Iceland and New Zealand (approx. 45-47%).

#### **Conclusions**

(1) Health protection, (2) economy, and (3) the natural environment top the list of the most important issues for inhabitants of the countries participating in the survey. Asked about the most important environmental problems, the respondents most often select: (1) climate change, (2) air pollution, (3) chemicals and pesticides, and (4) using up natural resources. Inhabitants of the countries in the survey relatively often (approx. 44%) believe that economic growth is necessary to protect the natural environment (approx. 33% disagree with this opinion). However, many

respondents (approx. 38%) see the negative effects of economic growth on the natural environment. What is interesting is that the percentage of respondents who believe that economic growth does not have a negative impact on the natural environment is almost the same (approx. 34%).

This last finding requires some comment. It seems that we are dealing here with a situation where the object of the attitude which is difficult to assess, gives rise to ambivalent reactions. Pro-ecological attitudes are fairly well-established in contemporary societies; however, juxtaposing the environmental option with the demands of the economy may lead to seemingly contradictory opinions. The high percentage of respondents who believe that economic growth has a negative impact on the environment, compared to the high percentage of those who claim that economic growth is needed to protect the environment, can be interpreted in the categories of trying to solve the Gordian knot; i.e., to answer the question: how to protect what should be protected and not compromise much on the economy? This is a dilemma that contemporary societies treated as wholes and not reduced to attitudes expressed by individuals, are facing. Such an approach is necessary when making decisions that affect the whole societies.

There are also significant differences in public opinion across countries. Not going into details (which were discussed earlier), we can observe differences between the views held by inhabitants of Europe and Asia, and between the views expressed by respondents from the Scandinavian countries (sometimes including Switzerland) and those living in other European countries. In Asia, opinions also vary from country to country, but they cannot be grouped to form any reasonably consistent pattern. Undoubtedly, many difficulties in interpreting the results can be attributed to a much smaller number of countries that the current ISSP Environment survey covers as compared to its previous editions. In the future, other countries are to be added to the ISSP Environment 2022 data set; however, it is not known yet which countries will be added and when exactly the data set will be updated. This may give rise to concerns as to whether combining data that covers a few (or in fact, many) years in one data set will not result in analyses focusing on the dynamics of changes rather than describing the existing state. These concerns are especially justified in view of a dynamic world situation that we are experiencing nowadays.

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