byRisk International Workshop: Demonstration of the (by)Risk Awareness Tool for the general public

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HELLENIC DATA PROTECTION AUTHORITY

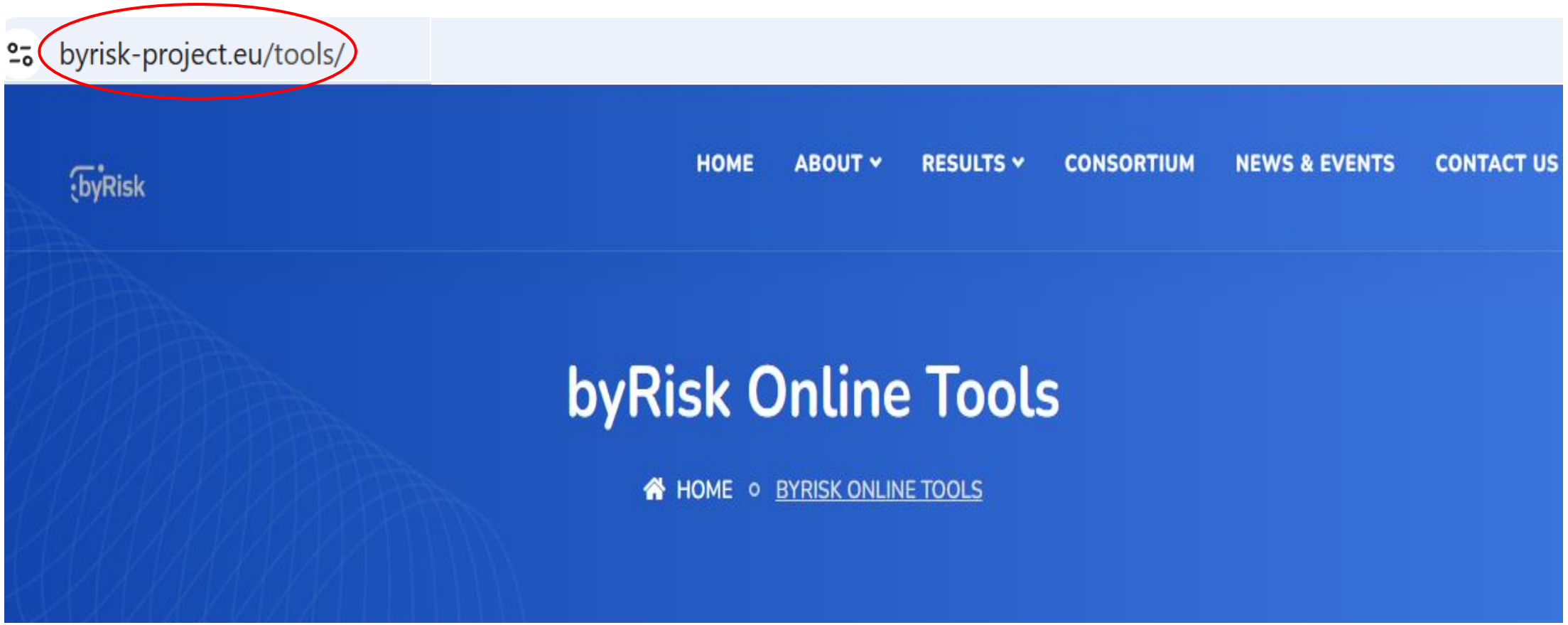
UNIVERSITY OF PIRAEUS RESEARCH CENTER

ICT abovo Information & Communication Technologies

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Where to find the (by)Risk Awareness Tool



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Where to find the (by)Risk Awareness Tool



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Where to find the (by)Risk Awareness Tool



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Aim and versions

In the context of the byRisk project, two online tools were developed. They aim to help small and medium-sized enterprises (SMEs) identify and assess risks associated with personal data processing, and to inform the general public about risks to data protection and privacy.

The Risk Assessment Tool for SMEs provides an easy-to-use, guided environment in which businesses can identify and analyse risks arising from their personal data processing activities. It draws on a risk taxonomy developed within the project and uses questions tailored to the specific processing context.

The Risk Awareness Tool is intended for the general public. It aims to improve understanding of the risks that personal data processing may pose in everyday life, providing information on relevant risks and their potential impacts, together with clear explanations.

You can access the byRisk online tools **here**.

Specifically:

Risk Awareness Tool for the public:

Greek
English

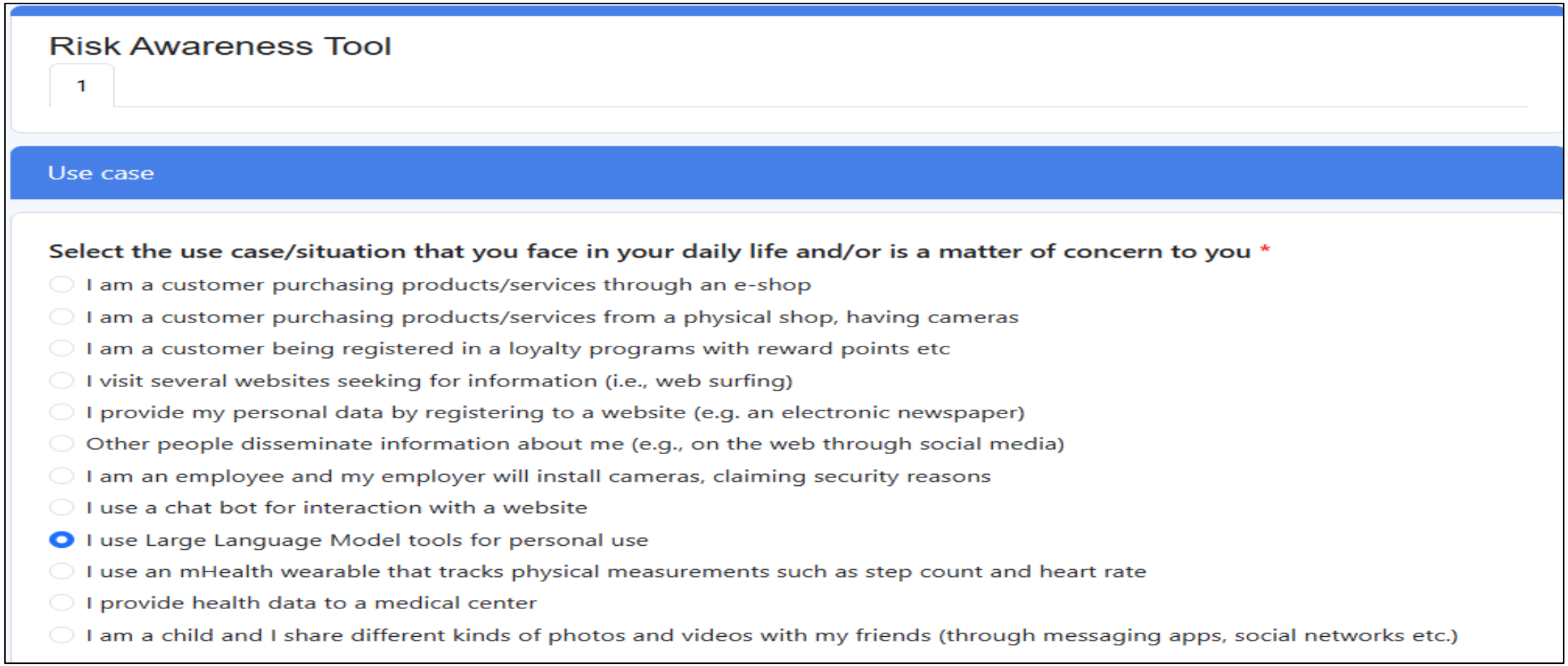
Risk Assessment Tool for SMEs:

Greek
English

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Available use cases



Risk Awareness Tool

1

Use case

Select the use case/situation that you face in your daily life and/or is a matter of concern to you *

- I am a customer purchasing products/services through an e-shop
- I am a customer purchasing products/services from a physical shop, having cameras
- I am a customer being registered in a loyalty programs with reward points etc
- I visit several websites seeking for information (i.e., web surfing)
- I provide my personal data by registering to a website (e.g. an electronic newspaper)
- Other people disseminate information about me (e.g., on the web through social media)
- I am an employee and my employer will install cameras, claiming security reasons
- I use a chat bot for interaction with a website
- (●) I use Large Language Model tools for personal use
- I use an mHealth wearable that tracks physical measurements such as step count and heart rate
- I provide health data to a medical center
- I am a child and I share different kinds of photos and videos with my friends (through messaging apps, social networks etc.)

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Various real-world scenarios per risk source category

Use case

- (●) I use Large Language Model tools for personal use

Lack of Clear Information & Transparency

- [ ] The data protection policy is not easily found/accessible

Data Security & Breaches

- [ ] My data have been leaked or deleted due to cyber-security incident

Weak Legal Basis or Consent

- [ ] My personal data are analyzed to infer my preferences

Monitoring & Profiling Risks

- [ ] I have no clear or accessible way to object to profiling

Too Much or Unnecessary Data

- [ ] There is no documented justification for retention period

People's Rights Not Working Properly

- [ ] I am asked to follow a complex procedure to exercise my rights

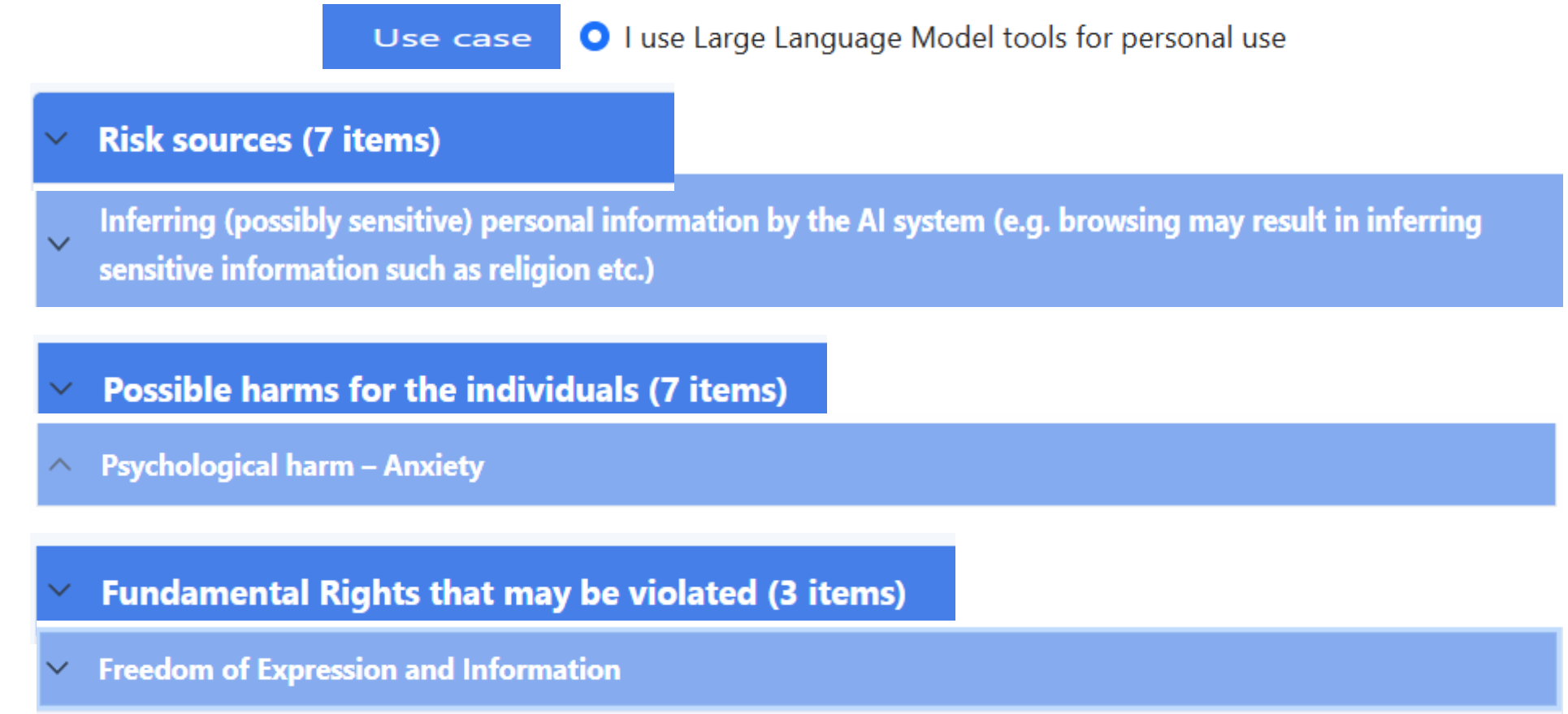
AI and Data Use Problems

- [ ] Performing natural language analysis of user input to infer personal characteristics

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From risks sources --> potential harms and fundamental rights violations



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Upon completion

- User-friendly granular and explainable results + pdf report



Use case: I use Large Language Model tools for personal use

This report, based on the selected scenarios, presents the identified sources of risk, the potential harms to individuals, and the fundamental rights that may be violated.

Risk sources

1. Ambiguous, very generic or very complex information notices

Selected real-world scenarios for this risk source:

- The privacy policy describes the data collected, their purposes and a list of legal bases without specifying though which corresponds to which

2. No proper use of algorithms for profiling/automated decision making

Selected real-world scenarios for this risk source:

- I have no clear or accessible way to object to profiling or request human review of a decision

3. Technical failures in enabling data subject rights

Selected real-world scenarios for this risk source:

- Deletion requests are not satisfied due to inability to re-train or modify models

4. Collecting personal identifiable information without being needed

Selected real-world scenarios for this risk source:

- Poorly implemented third-party tools (e.g., analytics, CRM, live chat), configured to collect personal identifiable information without being necessary

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Risk Awareness Tool: A use case example

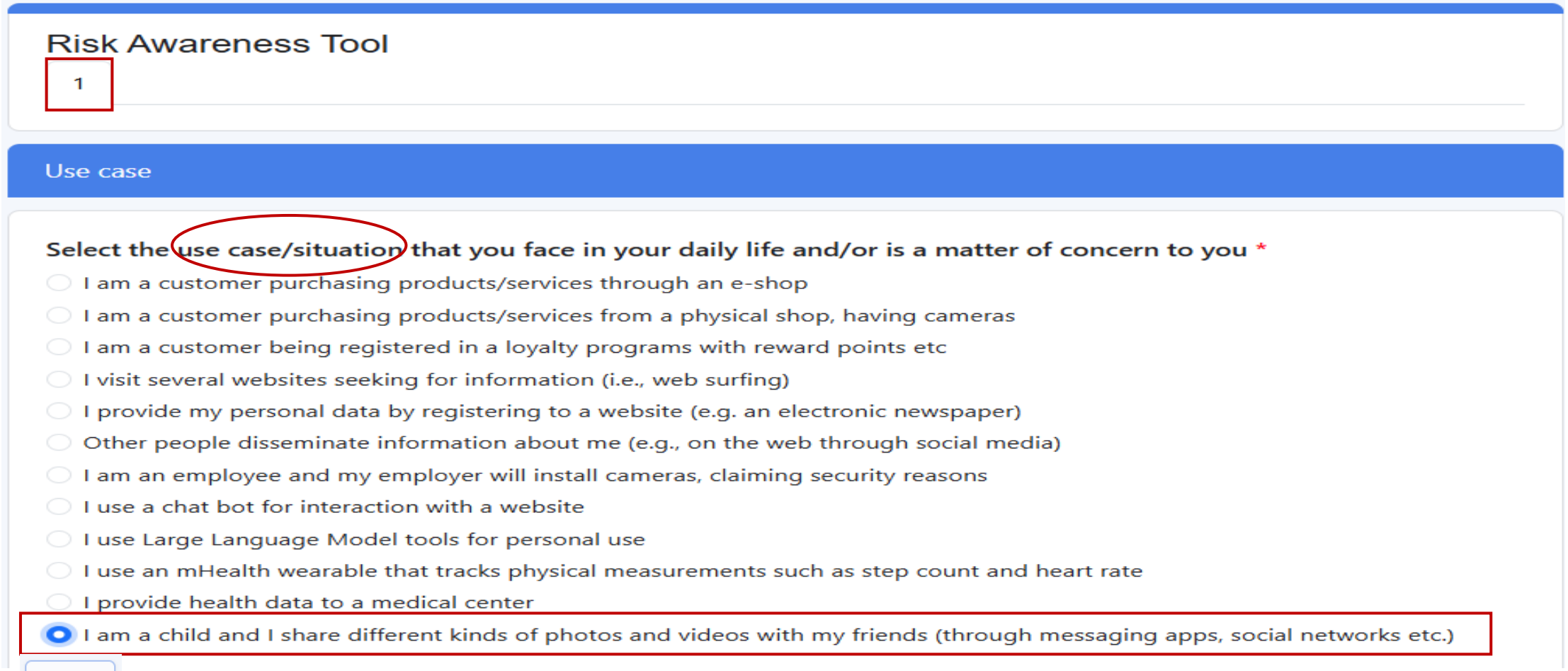
Selected Use case:

“I am a child and I share different kinds of photos and videos with my friends (through messaging apps, social networks etc.)”

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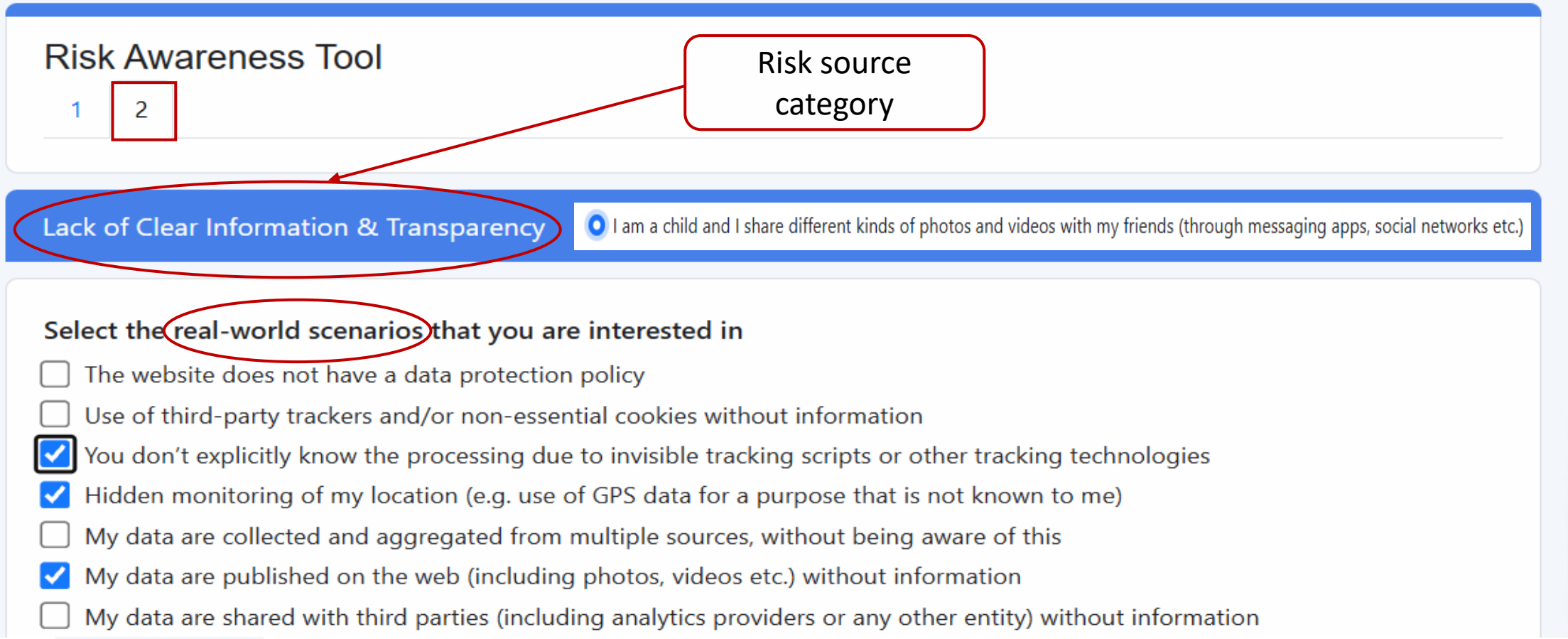
Step 1: Select the use case of interest



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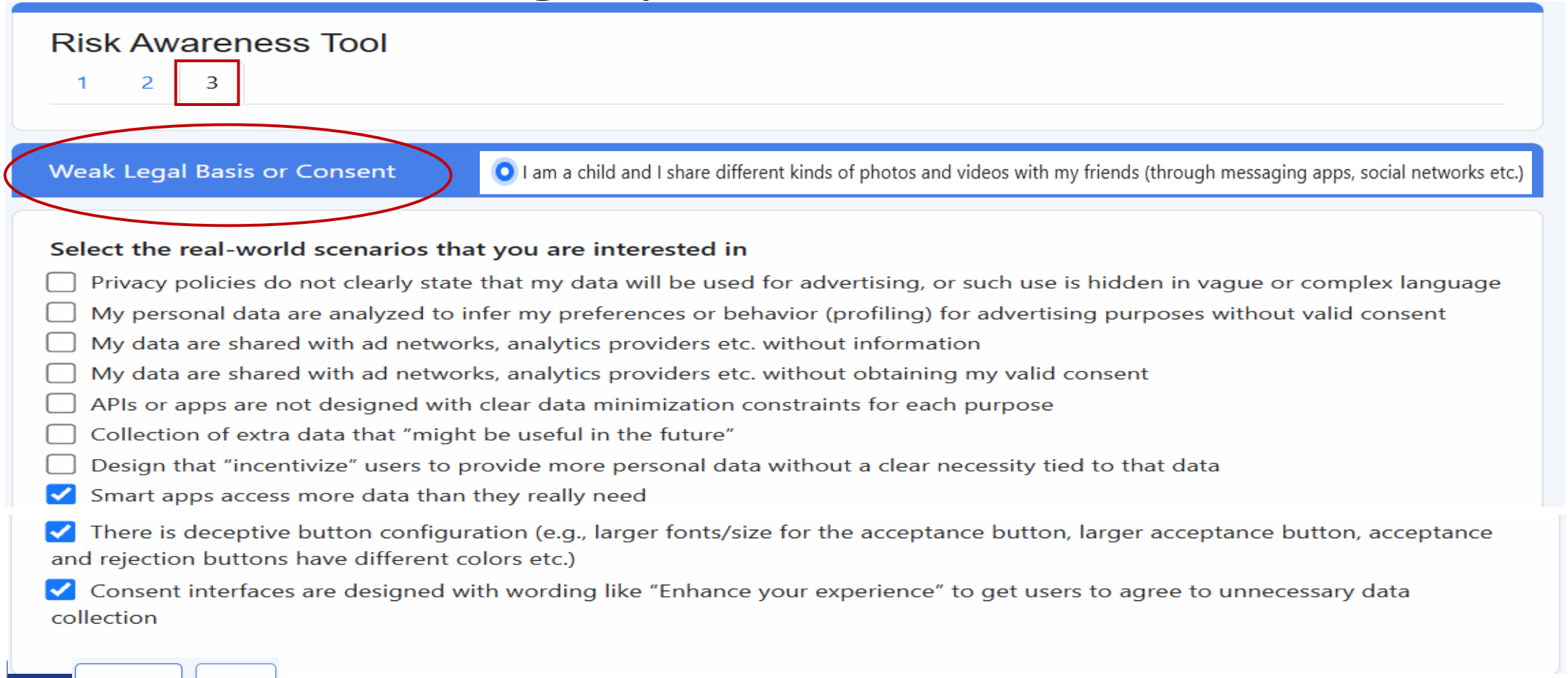
Step 2: Select real-world scenario(s) per risk source category



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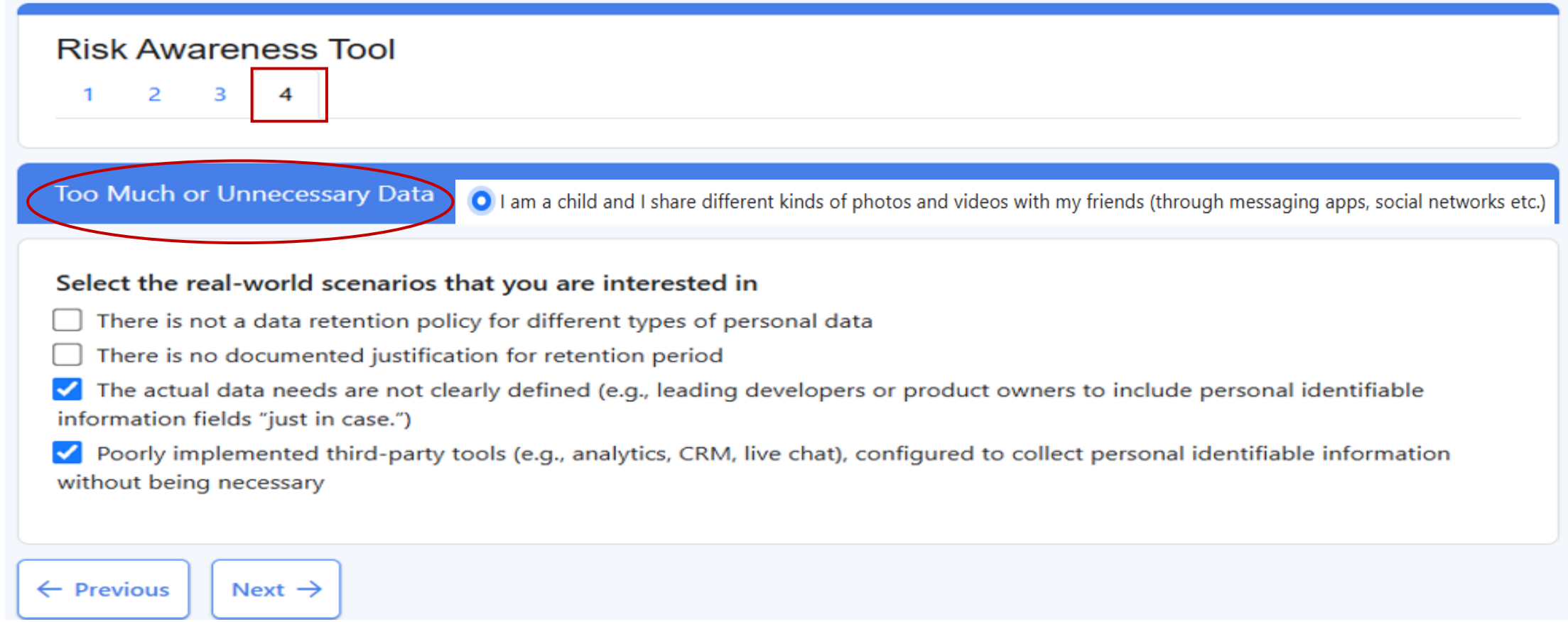
Step 3: Select real-world scenario(s) per risk source category



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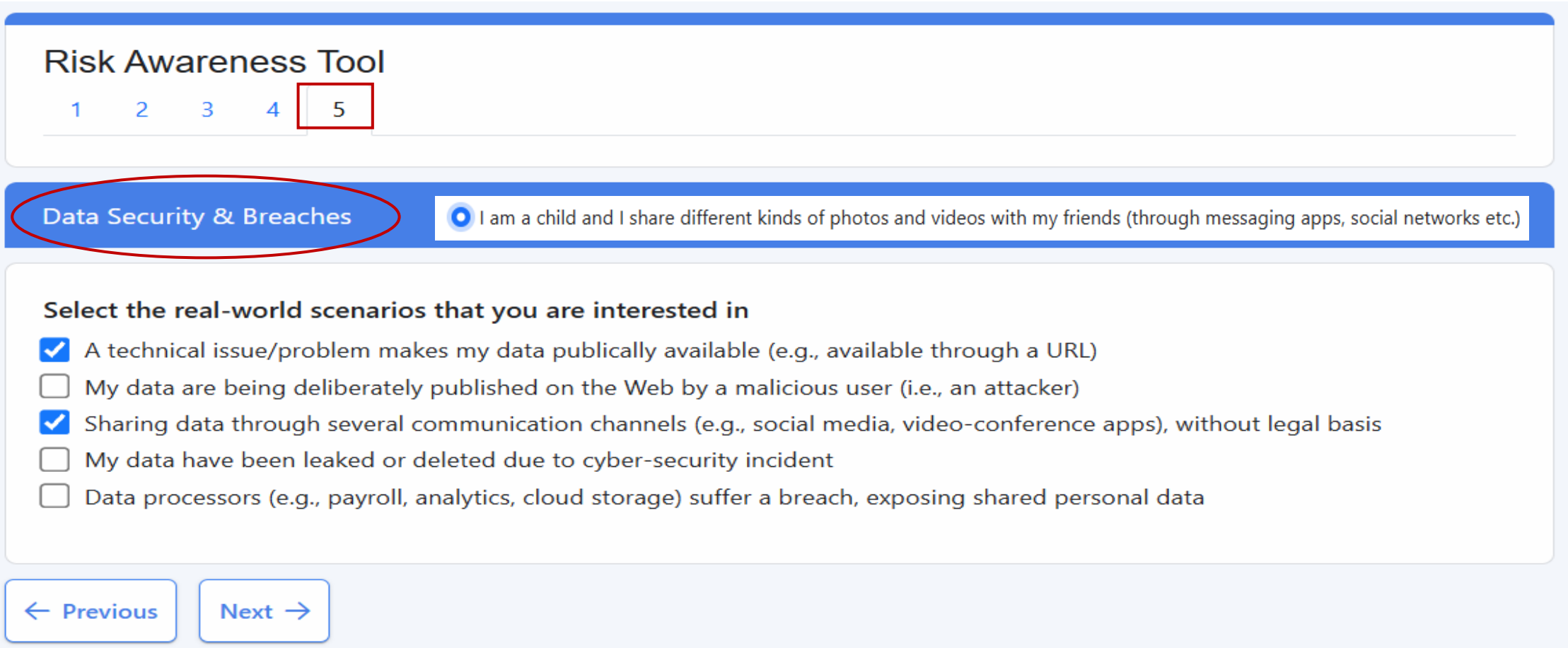
Step 4: Select real-world scenario(s) per risk source category



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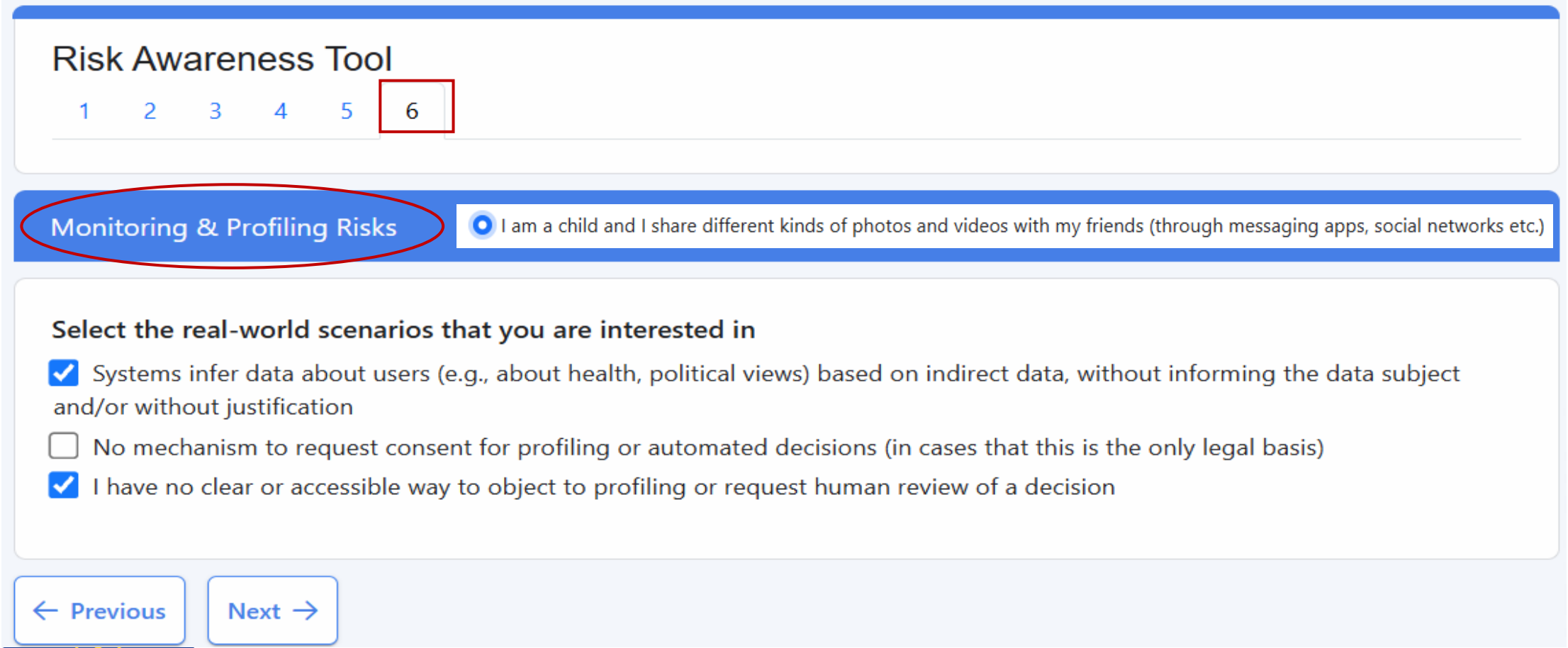
Step 5: Select real-world scenario(s) per risk source category



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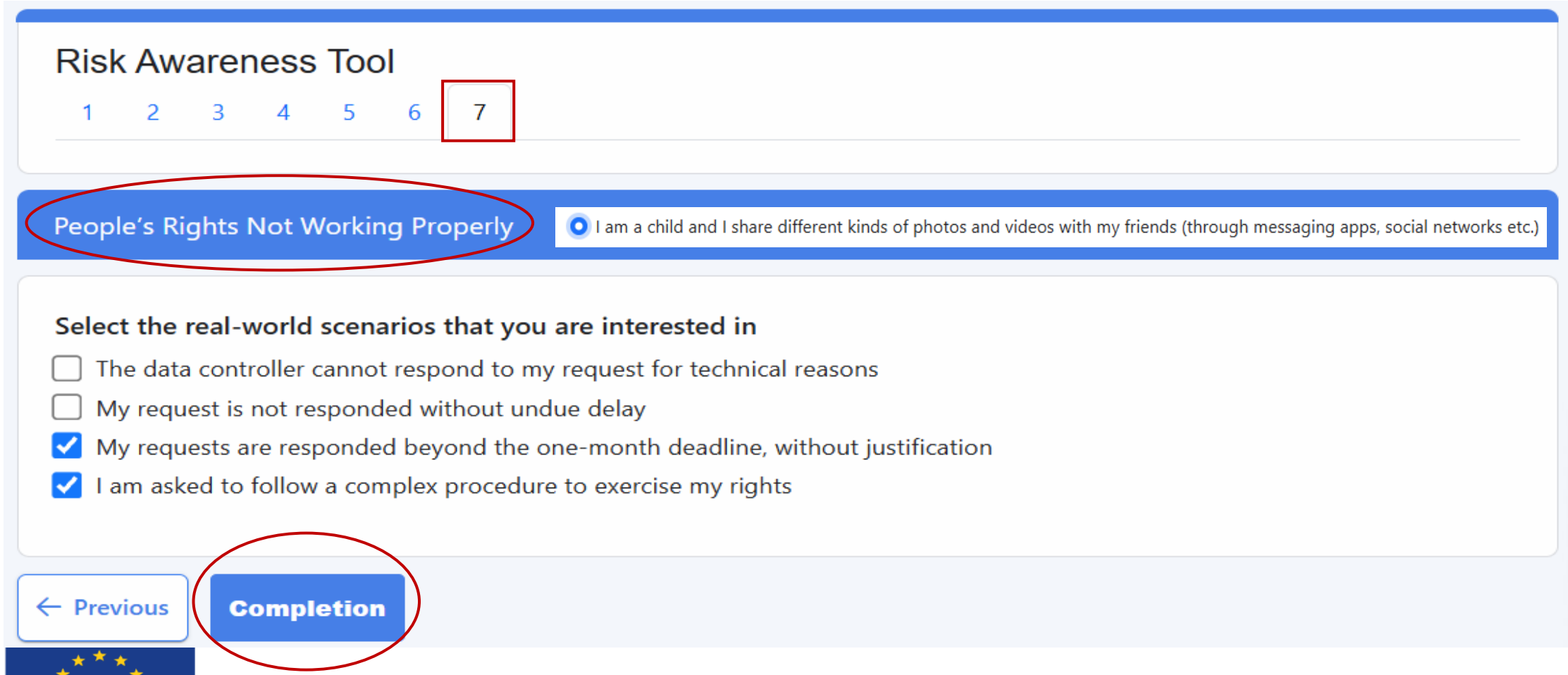
Step 6: Select real-world scenario(s) per risk source category



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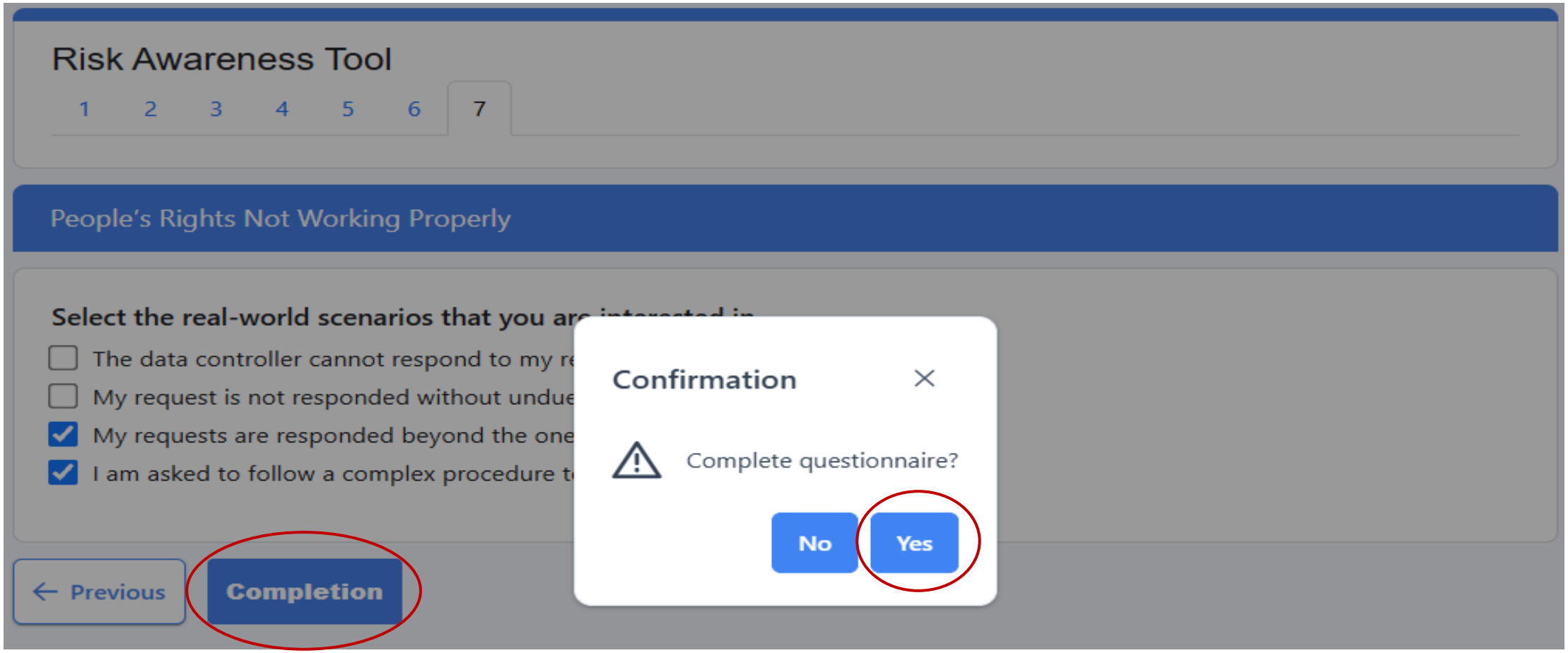
Step 7: Select real-world scenario(s) per byRisk risk source category



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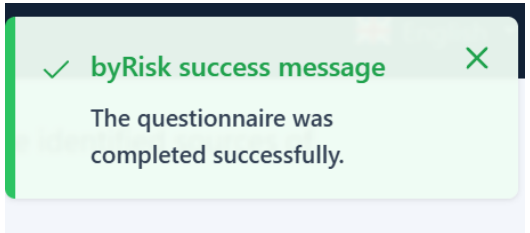
Completion of the Tool questionnaire



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Results Overview



The questionnaire was completed successfully. This report, based on the selected scenarios, presents the identified sources of risk, the potential harms to individuals, and the fundamental rights that may be violated.

Risk sources (8 items)

Possible harms for the individuals (8 items)

Fundamental Rights that may be violated (5 items)

Start over

You may evaluate the tool by clicking here.

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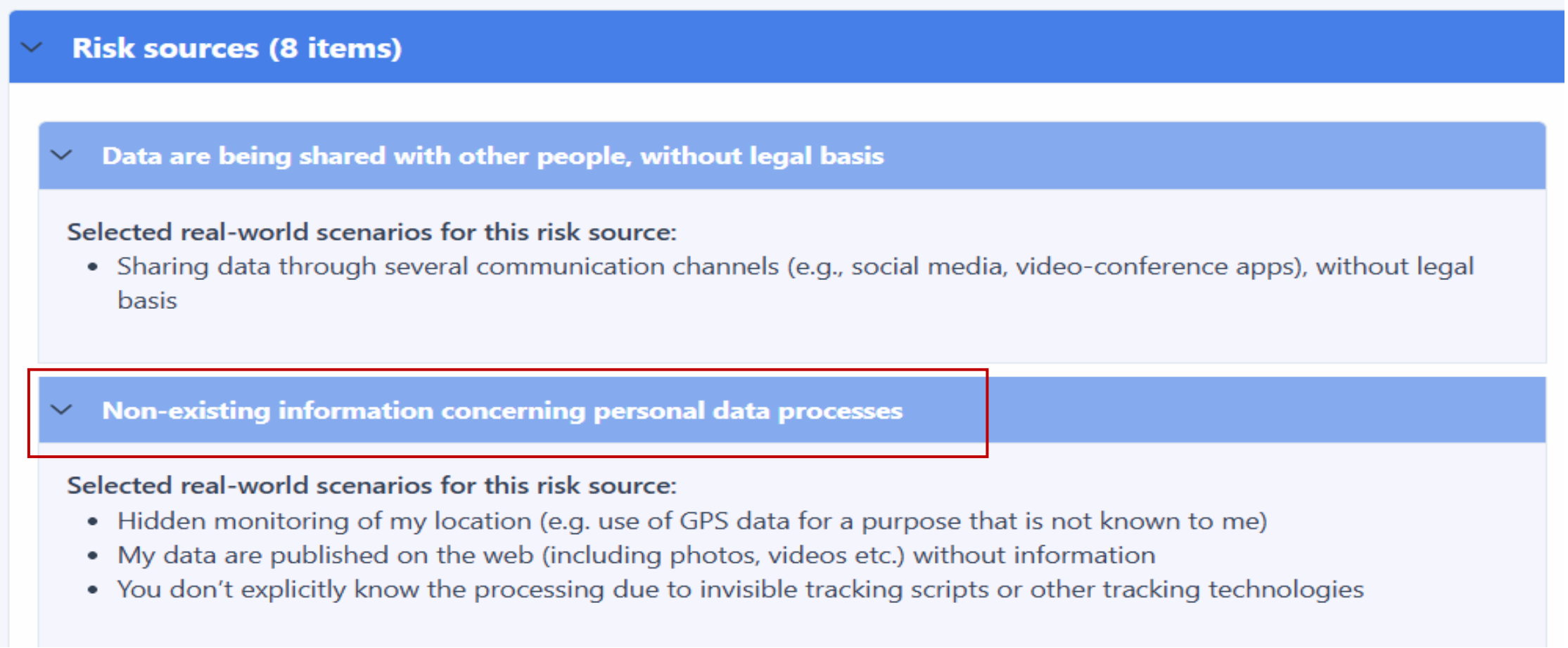
Results Overview: risk sources



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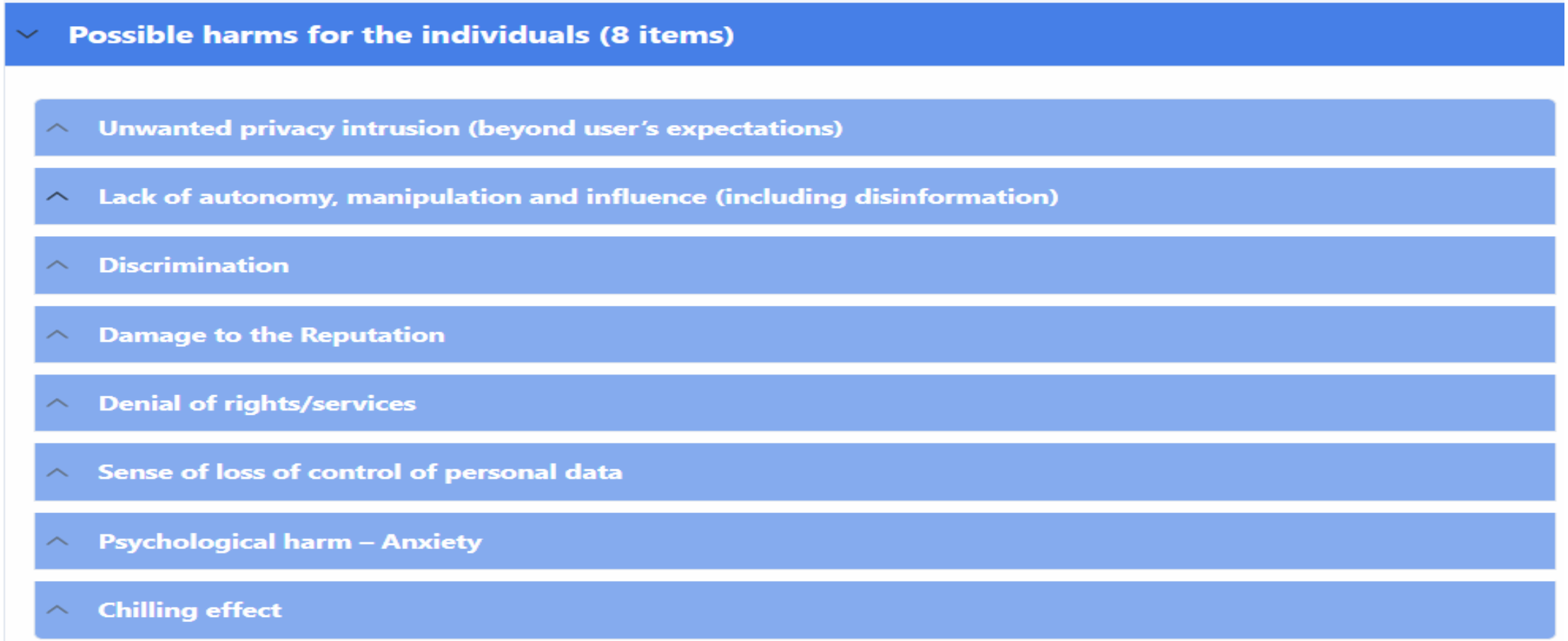
Results Overview: risk sources



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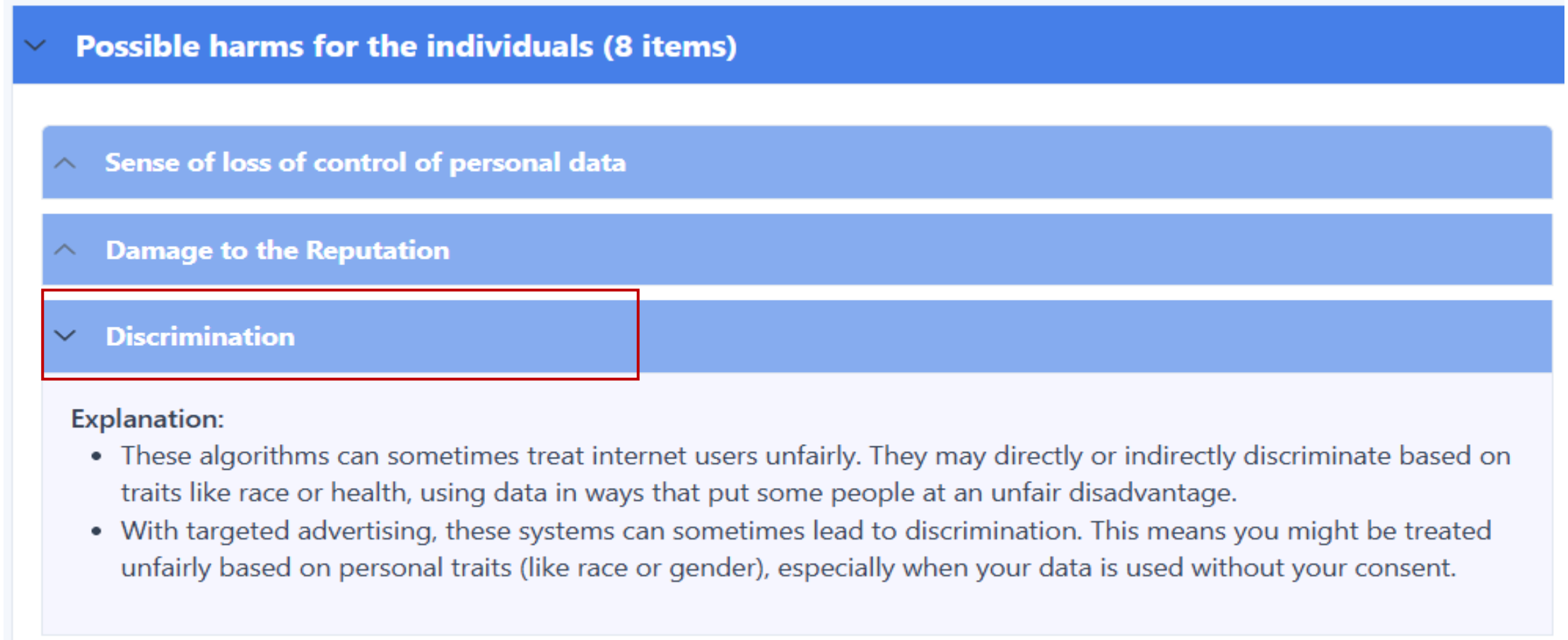
Results Overview: possible harms



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Results Overview: possible harms



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Results Overview: fundamental rights

Fundamental Rights that may be violated (5 items)

- **Right to Human Dignity**
- **Rights to Non-Discrimination & Equality (including persons with disabilities)**
- **Right of child**

  Explanation: The protection of the data that an individual shares is very important especially if this person is a child that shares photos and videos through apps or social network platforms. The need for children to have protection and care necessary for their well-being, whilst their best interests must be a primary consideration in all actions concerning them. The children also have the right to express their views freely, and those views must be taken into account according to their age and maturity.

- **Freedom of Expression and Information**
- **Right to Privacy & Data Protection**

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Results Overview: fundamental rights

Fundamental right that may be violated	Short explanation
Right to Human Dignity	Unauthorized disclosure of personal data may damage a child's reputation and dignity, leading to humiliation or public shaming.
Rights to Non-Discrimination & Equality (Including Persons with Disabilities)	Algorithmic bias, unfair profiling, targeted advertising may undermine equal treatment.
Rights of the Child	Inadequate protection of children's personal data may undermine their well-being, best interests and their ability to express their views freely.
Freedom of Expression and Information	Fear of monitoring or misuse of personal data may restrict children's freedom of expression.
Right to Privacy & Data Protection	Unfair processing of personal data may violate children's privacy and undermine control over their personal data.

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Report (pdf)

Use case: I am a child and I share different kinds of photos and videos with my friends (through messaging apps, social networks etc.)

This report, based on the selected scenarios, presents the identified sources of risk, the potential harms to individuals, and the fundamental rights that may be violated.

Risk sources

1. Data are being shared with other people, without legal basis

Selected real-world scenarios for this risk source:

- Sharing data through several communication channels (e.g., social media, video-conference apps), without legal basis

2. Non-existing information concerning personal data processes

Selected real-world scenarios for this risk source:

- Hidden monitoring of my location (e.g. use of GPS data for a purpose that is not known to me)
- My data are published on the web (including photos, videos etc.) without information
- You don't explicitly know the processing due to invisible tracking scripts or other tracking technologies

Possible harms for the individuals

1. Discrimination

Explanation:

- With targeted advertising, these systems can sometimes lead to discrimination. This means you might be treated unfairly based on personal traits (like race or gender), especially when your data is used without your consent.
- These algorithms can sometimes treat internet users unfairly. They may directly or indirectly discriminate based on traits like race or health, using data in ways that put some people at an unfair disadvantage.

2. Damage to the Reputation

Explanation: These breaches can harm your reputation because your data might be shared out of context or misunderstood. When personal information, like private details or photo, is exposed without permission, it can break trust and quickly damage someone's social life and relationships. This can lead to public embarrassment, harassment, or unfair treatment. Because information online can be very hard to remove, the effects may last a long time and cause ongoing emotional distress or mental health struggle, especially when the person affected is a child.

Fundamental Rights that may be violated

1. Right to Human Dignity

Explanation: A potential data breach might expose information damaging a person's reputation and violate the Right to Human Dignity, specifically the right to honor, reputation, and respect for private life, leading to humiliation, loss of respect, public shaming, unfair judgment by others or social condemnation.

2. Rights to Non-Discrimination & Equality (including persons with disabilities)

Explanation: Algorithmic bias, unfair treatment (possibly influence and/or manipulation) in profiling, ad targeting or deprivation of handling data subject request may violate your equality and non-discrimination rights.

3. Right of child

Explanation: The protection of the data that an individual shares is very important especially if this person is a child that shares photos and videos through apps or social network platforms. The need for children to have protection and care necessary for their well-being, whilst their best interests must be a primary consideration in all actions concerning them. The children also have the right to express their views freely, and those views must be taken into account according to their age and maturity.

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For the end…

Greek version of the (by)Risk Awareness Tool

https://byrisk.dpa.gr/questionnaires/bdd570a0-d62e-457a-af9c-01f788c4fbc0/el

English version of the (by)Risk Awareness Tool

https://byrisk.dpa.gr/questionnaires/bdd570a0-d62e-457a-af9c-01f788c4fbc0/en

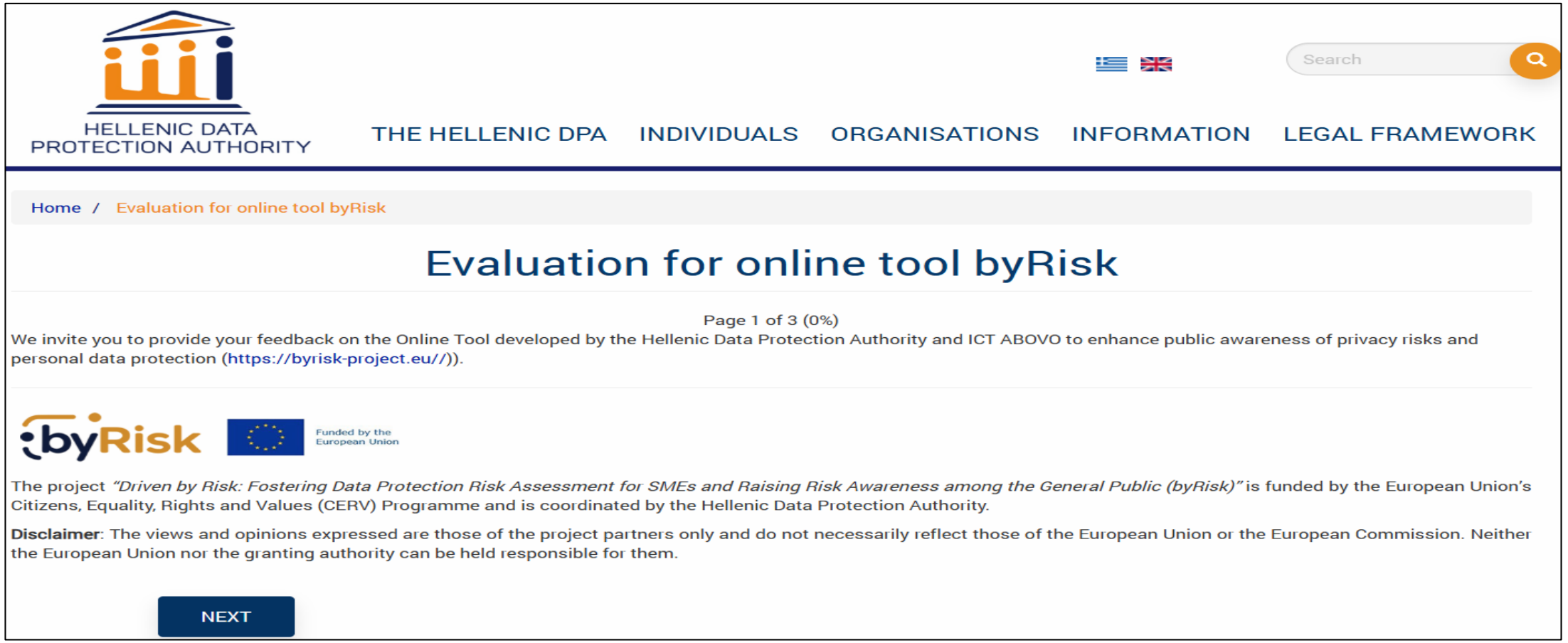
Your assessment of the (by)Risk Awareness Tool is really important

https://byrisk-project.eu/tools/

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Evaluation of the (by)Risk Awareness Tool



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Thank you for your attention



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