



Project: Innovations in circular economy – environmental labels and declarations (ID: 21920002)

The project is co-financed by the Governments of Czechia, Hungary, Poland and Slovakia through Visegrad Grants from International Visegrad Fund. The mission of the fund is to advance ideas for sustainable regional cooperation in Central Europe.



Environmental product declarations based on life cycle assessment - Exercises -

Environmental Product Declaration (EPD) - Exercises

- The goal of this exercises is to examine and analyze the data provided in various EPDs that are publicly available on program operators website. Although there are many EPD program operators in this example only summary one EPD will be presented and analyzed.
- This example is from international EPD system program operator and corresponds to the EPD International PCR 2019:07. T-Shirts, Tops, Singlets and Other Vests: UN CPC 282. product category rules according to ISO 14025. Version 1.01 (2019). The owner of the EPD is Swedish company Fristads, the clothing producer for workware. The EPD's is available on the following webpage>

<https://www.environdec.com/library/epd1760>

Environmental Product Declaration (EPD) - Exercises

LCA information in this EPD are organized as follows :

- Goal of the study,
- Scope of the study,
- Data collection,
- Allocation,
- Cut-off rules,
- Assumptions and limitations,
- Data quality,
- Additional information about the LCA study,
- Time representativeness,
- Database(s) and LCA software used,
- Calculation methods,
- Description of system boundaries,
- LCA practitioner,
- Third party reviewer.

Environmental Product Declaration (EPD) - Exercises

- First, the teacher should introduce one example of EPD and to show and describe which questions are required to answer and how students can find these data in the EPD. Students should open the EPD document that is publicly available on the program operator webpage and then analyse it according to the following questions:
 1. Who is the EPD owner?
 2. What is the EPD number?
 3. What is the validity date?
 4. What standards are applied?
 5. What is the description for functional unit?
 6. Are upstream flows included in the system boundaries?
 7. Are downstream flows included in the system boundaries?

Environmental Product Declaration (EPD) - Exercises

- Questions (continued):

8. Is the coal consumption in downstream processes stated, and if yes what is the amount?
9. Is the consumption of electricity from hydro power plants provided for core processes?
10. What is the number of impact categories for which the environmental impacts are shown?
11. What is the name of impact categories for which the environmental impacts are shown?
12. What is the result for global warming potential for upstream processes?
13. What is the result for acidification potential for upstream processes?
14. What is the result for global warming potential for core processes?