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| **Project ID: 2021-1-CZ01-KA220-SCH-000034484**    **COURSE FOR ENVIRONMENTAL EDUCATION**  *e-Modules: Teaching Learning activities and their technology enhanced material set to develop*  ***DISCLAIMER***  Obsah obrázku symbol, Písmo, logo, Grafika  Popis byl vytvořen automaticky*Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Education and Culture Executive Agency (EACEA). Neither the European Union nor EACEA can be held responsible for them.*  **COURSE AUTHORS**   |  |  | | --- | --- | |  | Lubomír Hájek, Petra Garay |   **COURSE SHARING LICENSE**   |  |  | | --- | --- | | Une image contenant symbole, cercle, capture d’écran, Graphique  Description générée automatiquement | You are free to:   * Share — copy and redistribute the material in any medium or format for any purpose, even commercially. * Adapt — remix, transform, and build upon the material for any purpose, even commercially. | |
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| **MODULE 2** | **CYCLICAL NATURE** |
| **PART 3** | **Sustainability of the natural resources (sustainability; responsible use)** |
| **Lesson 1** | **Writing research report on the sustainability of natural resources ; Presenting a report** |

**SUMMARY**

[**1. COURSE TIME, TARGET AND TOPIC 3**](#_Toc155715175)

[**2. COURSE OBJECTIVES 3**](#_Toc155715176)

[**Competences promoted in this lesson: 3**](#_Toc155715177)

[**Lesson objectives: 3**](#_Toc155715178)

[**3. LEARNING – TEACHING PROCESSES 3**](#_Toc155715179)

[**4. EVALUATION 3**](#_Toc155715180)

[**5. DOCUMENTS 4**](#_Toc155715181)

[**EXPLORE 4**](#_Toc155715182)

[**ENGAGE 4**](#_Toc155715183)

[**EXPLAIN 5**](#_Toc155715184)

[**EVALUATE 5**](#_Toc155715186)

[**EXTEND 6**](#_Toc155715186)

# 1. COURSE TIME, TARGET AND TOPIC

* **Age of target students:** 15+
* **Teaching time:** 2 hours
* **Disciplines:** Biology; literature ; civics
* **Title:** **Sustainability of the natural resources**

# 2. COURSE OBJECTIVES

## Competences promoted in this lesson:

* Communication in foreign languages competency
* Digital competency
* Learning to learn competency
* Social and citizenship-related competencies

## Lesson objectives:

* Students learn to write research reports regarding how natural resources are sustained.

# 3. LEARNING – TEACHING PROCESSES

There are 5 activities in this lesson:

1. **EXPLORE: Choose a Natural Resource ; Define Sustainability**
2. **ENGAGE:** **Conduct Research**
3. **EXPLAIN: Organize Your Report ; Cite Your Sources**
4. **EVALUATE: Review and Edit ; Recommended Resources**
5. **EXTEND:** **Present a Research Report on Natural Resource Sustainability**

# 4. EVALUATION

The evaluation is described in the last part of document.

# 5. DOCUMENTS

**Sustainability of Natural Resources**

Writing a research report on the sustainability of natural resources requires careful planning, research, and clear presentation of information. Follow these steps to develop a well-structured and informative report.

### EXPLORE

### *Choose a Natural Resource*

**1. Choose a Natural Resource**

* **Examples:** Water, forests, fossil fuels, minerals, soil, or renewable energy sources like solar or wind energy.
* **Tip:** Select a resource that interests you and has available research materials.

**2. Define Sustainability**

* **Research the concept:** What does sustainability mean in the context of natural resources?
* **Key aspects to include:** Long-term availability, responsible use, and how human activities affect the resource.

### ENGAGE

### *Conduct Research*

**3. Conduct Research**

* **Find reliable sources:** Use books, academic articles, and credible websites (like government or environmental organizations).
* **Consider these factors:**
  + How is the resource currently used?
  + Is the resource renewable or non-renewable?
  + What are the environmental impacts of using this resource?
  + What are current practices to ensure its sustainability?

### EXPLAIN

### *Organize Your Report*

**4. Organize Your Report**

* **Introduction:**
  + Define the natural resource.
  + Explain the importance of its sustainability.
* **Body:**
  + **Section 1:** Describe how the resource is used and its role in society.
  + **Section 2:** Analyze the current status of the resource (Is it being depleted or sustainably managed?).
  + **Section 3:** Discuss environmental, economic, and social impacts.
  + **Section 4:** Explore solutions and future strategies for sustainable management (e.g., policies, technologies).
* **Conclusion:**
  + Summarize the findings.
  + Suggest actions for improving sustainability.

**5. Cite Your Sources**

* **Use appropriate referencing style** (e.g., APA, MLA) for all the sources you use.
* Include a bibliography or works cited section at the end of your report.

### EVALUATE

### *Reviewing and editing*

**6. Review and Edit**

* **Check your content** for clarity, accuracy, and flow.
* **Proofread** for grammar, punctuation, and spelling errors.
* **Ensure your arguments** are well-supported by evidence from your research.

By following these steps, you can create a research report that thoughtfully analyzes the sustainability of natural resources and provides insights into how we can manage them responsibly for the future

**Recommended Resources**

1. **Community, Natural Resources, and Sustainability: Overview of an Interdisciplinary and International Literature:**
   * [**This article provides a comprehensive overview of community-based natural resource management and its role in sustainability1**](https://www.globalreporting.org/media/mlkjpn1i/gri-sasb-joint-publication-april-2021.pdf)**.**
2. **Natural Resources, Human Mobility, and Sustainability: A Review and Research Gap Analysis:**
   * [**This review explores the interconnections between natural resources, human migration, and sustainability, highlighting key research gaps2**](https://aplanet.org/resources/sustainability-report/)**.**
3. **Scientific Literature Analysis on Sustainability with the Implication:**
   * [**This source analyzes documents published on sustainability from 1970 to 2020, offering insights into publication trends and key themes3**](https://instituteofsustainabilitystudies.com/insights/guides/how-to-write-sustainability-reports/)**.**

### EXTEND

## How to Present a Research Report on Natural Resource Sustainability

1. **Understand Your Audience:**
   * Audience: Know who you are presenting to (e.g., classmates, teachers, or a community group) and tailor your presentation to their level of understanding and interest.
2. **Prepare Your Content:**
   * Key Points: Identify the main points you want to convey, such as the importance of sustainability, key findings from your research, and recommendations.
   * Visual Aids: Use slides, charts, graphs, and images to make your presentation more engaging and easier to understand.
3. **Create an Outline:**
   * Introduction: Start with an introduction that includes your research question or thesis, and why the topic is important.
   * Body: Organize the body of your presentation into clear sections, such as background information, methodology, findings, and discussion.
   * Conclusion: Summarize your main points and suggest areas for further research or action.
4. **Design Your Slides:**
   * Clarity: Keep slides simple and uncluttered. Use bullet points, short sentences, and large fonts.
   * Visuals: Include relevant images, graphs, and charts to illustrate your points. Make sure they are high quality and easy to read.
   * Consistency: Use a consistent design theme throughout your slides.
5. **Practice Your Presentation:**
   * Rehearse: Practice your presentation multiple times. Time yourself to ensure you stay within any time limits.
   * Feedback: Present to a friend or family member and ask for feedback on clarity, pacing, and engagement.
6. **Engage Your Audience:**
   * Eye Contact: Maintain eye contact with your audience to keep them engaged.
   * Body Language: Use confident and open body language. Avoid reading directly from your slides or notes.
   * Interaction: Ask questions or include interactive elements to involve your audience.
7. **Use Effective Communication Techniques:**
   * Clear Speech: Speak clearly and at a moderate pace. Avoid using jargon or complex terms without explanation.
   * Emphasis: Use changes in tone and volume to emphasize key points.
   * Pauses: Use pauses to give your audience time to absorb information.
8. **Handle Questions Confidently:**
   * Prepare: Anticipate possible questions and prepare answers in advance.
   * Listen: Listen carefully to each question and take a moment to think before responding.
   * Honesty: If you don’t know the answer, it’s okay to say so. Offer to find out and follow up later.
9. **Conclude Effectively:**
   * Summary: Briefly summarize your main points again.
   * Call to Action: End with a call to action or a thought-provoking statement to leave a lasting impression.

**Recommended Resources**

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2. Natural Resources, Human Mobility, and Sustainability: A Review and Research Gap Analysis:
   * [This review explores the interconnections between natural resources, human migration, and sustainability, highlighting key research gaps2](https://www.globalreporting.org/media/mlkjpn1i/gri-sasb-joint-publication-april-2021.pdf).
3. Scientific Literature Analysis on Sustainability with the Implication:
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These steps and resources should help you deliver a compelling and informative presentation on natural resource sustainability. If you have any questions or need further assistance, feel free to ask!

**Sources :**

[**https://www.globalreporting.org/media/mlkjpn1i/gri-sasb-joint-publication-april-2021.pdf**](https://www.globalreporting.org/media/mlkjpn1i/gri-sasb-joint-publication-april-2021.pdf)

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