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Sustainable Natural Resource Use in Arctic and High Mountainous Areas

Устойчивое использование природных ресурсов в арктических и высокогорных регионах







Massive open online course

SDGs for the Arctic and High Mountains, with implications for policy, management and planning

Отражение целей устойчивого развития в политике, управлении и планировании развития арктических и высокогорных регионов







The course is jointly developed by Russian State Hydrometeorological University, Gorno-Altai State University and Siberian Federal University with the involvement of leading Russianspeaking specialists in the field of sustainable development













12 RESPONSIBLE CONSUMPTION AND PRODUCTIO

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Each SDG includes several specific targets operationalizing it and ensuring monitoring and progress assessment. The authors of this course have made an attempt to use several cases to show how the work to achieve the SDGs in the Arctic and high mountain regions is being built.











The MOOC has 11 topics:

- Sustainable Development Goals and ESG objectives and instruments for greening economic development of Russia
- Svalbard Archipelago as a case for the international cooperation over sustainable Arctic
- Development of green economics models in real life socioeconomic conditions
- Role of protected areas in the conservation of local and global biodiversity (case of the Katunsky Biosphere Reserve)
- Carbon polygons as an instrument for carbon sequestration assessment for the Arctic ecosystems in Krasnojarsk Kraj

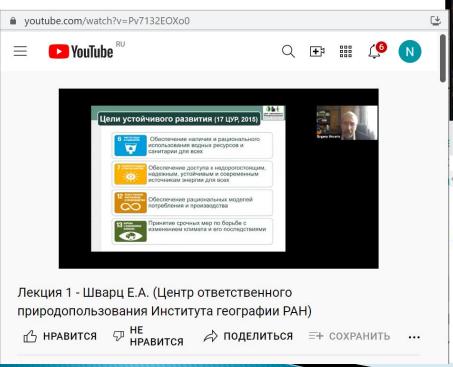
- Localizing Sustainable Development Goals in the Arctic Region:
 Voluntary Local Review
- Russian Forests in terms of carbon deposit: science, practice, policies
- Water regime of Arctic zone rivers in Western Siberia
- Strategic Planning of Russian Arctic Regional Development: Ecological Aspect
- Ecosystem services of urban green infrastructure: demand and supply for sustainable development
- Key Findings and New Tools of the IPCC Sixth Assessment Report on Climate Change, 2021

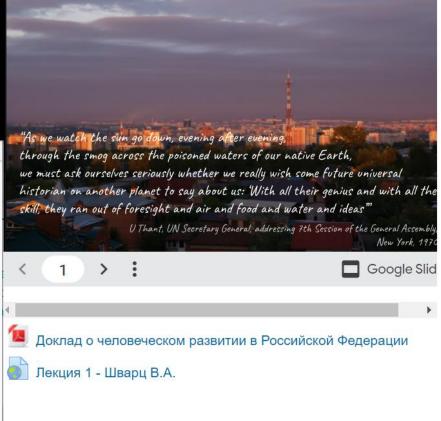
Every topic includes:



- Online lecture
- Questions for selfcontrol
- List of references and additional resources for self-guided study

Video lecture Видеолекции





Presentations and links

1. Цели устойчивого развития, экологическое, социальное и корпоративное управление (SDG и ESG): цели и инструменты экологизации экономического развития России

"Sustainable development

is development that meets the needs of the present without compromising the ability of futgenerations to meet their own needs."

> Report of the World Comm. on Environment and Develop Our Common F

< 2 > : Google

1. Цели устойчивого развития, экологическое, социальное и корпоративное управление (SDG и ESG): цели и инструменты экологизации экономического развития России

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DEFINITION

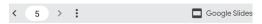
Watch the video about sustainable development



> : Google Slides

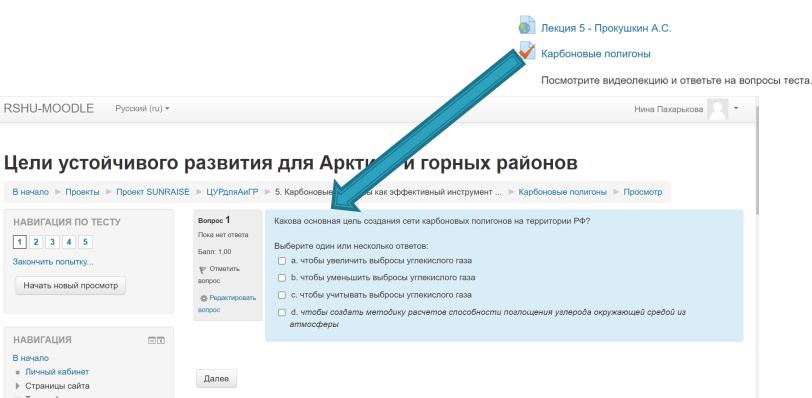
The Human Development Report (HDR) is an annual Human Development Index report published by the Human Development Report Office of the United Nations Development Programme (UNDP).

Follow the link



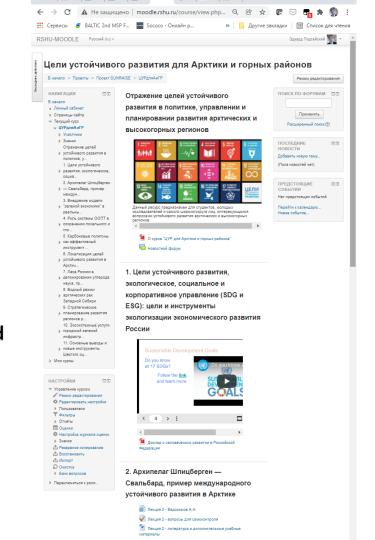
Questions for self-control Вопросы для самопроверки

5. Карбоновые полигоны как эффективный инструмент оценки потенциала депонирования углерода экосистемами Арктической зоны Красноярского края



The MOOC Moodle page

If you want to study the MOOC «SDGs for the Arctic and High Mountains, with implications for policy, management and planning», you need to receive login and password to get an access to e-learning system. Please submit your e-courses access inquiries to Anna Cheremnykh (RSHU, Head of Open and Distance Learning Center) to her e-mail: cher@rshu.ru





Questionnaire for a student on the results of the course implementation



Students feedback:

"SDGs for the Arctic and High Mountains"

A. GENERAL EVALUATION OF THE COURSE

1. I was provided with sufficient information about the aims and the content of the course

- Absolutely agree · Mostly agree
- Mostly disagnee
- · Absolutely disagree
- 2. The length of the course was optimal
- Absolutely agree
- · Mostly agree · Mostly disagree
- 3. Assess the level of complexity of this course
- . The course was too complicated; my personal background knowledge was not sufficient to understand it
- . The course was rather difficult, but well developed, allowing me to study it at the required
- . The course was quite easy, though some themes and the way they were taught aroused my

4. Various forms and methods of teaching were used in this course · Absolutely agree

- Mostly agree
- · Mostly disagree
- 5. The course was interesting and useful for the further development of your ski professional
- · Absolutely agree
- Mostly agree
- · Mostly disagree
- · Absolutely disagree

6. What is your overall assessment of the course?

- Excellent
- · Not good enough
- Satisfactory

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Carbon polygons as an instrument for carbon sequestration assessment for the Arctic ecosystems in Development of green economics models in real life socio-economic conditions

8. Which theme(s) was the most difficult for understanding? -Sustainable Development Goals and ESG - objectives and instruments for greening economic development

9. Which practical task(s) was the most interesting?

Think about theme that is most interesting for me and search for add info on this

10. Which practical task(x) was the most difficult to perform?

To thinking about question for a webinars with difficult themes

11. Which tools and learning materials presented in the Moudle do you consider most useful for you

- in the process of blended learning (concerning this course)? PowerPoint Presentations
- · Video lectures
- · Preparation materials for seminars and practical assignments
- Examples of calculations
- . Reference materials (links to official normative documents and additional literature)
- All of the above mentioned

12. Does the Moodle platform help to improve the organization and control of the learning process?

. It does not affect the organization and control of the educational process

13. How effective do you think the use of viden lectures in a blended learning model is as compared to traditional ones?

. Very effective, as it allows listening to them at your own pace and several times (if

· Proved to be an effective substitute for traditional lectures, though the students were

deprived of the opportunity to ask clarifying questions directly during the lecture · Do not exceed traditional lectures in their efficiency

14. Does this course require improvement? If so, in what part?

· Yes, it does,

15. Do you have any wishes or recommendations concerning this course?



Questionnaire for a student on the results of the course implementation



Student: Trofimova T Group: EOZ-M20-1-6

"SDGs for the Arctic and High Mountains"

A. GENERAL EVALUATION OF THE COURSE.

1. I was provided with sufficient information about the aims and the content of the course

- Absolutely agr Mostly agree
- · Mostly disagree
- · Absolutely disagree
- 2. The length of the course was optimal Absolutely serve
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- · Mostly disagree

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. The course was quite easy, though some themes and the way they were taught aroused my

4. Various forms and methods of teaching were used in this course

- Absolutely seree Mostly agree
- · Mostly disagree

5. The course was interesting and useful for the further development of your skills as a (future) professional

- Absolutely agree Mostly agree
- Mostly disagree
- · Absolutely disagree
- 6. What is your overall assessment of the course? Excellent
- Good
- · Not good enough Satisfactory
- B. EVALUATION OF THE COURSE CONTENT

7. Which theme(s) was the most interesting?

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Ouestionnaire for a student on the results of the course implementation





B. EVALUATION OF THE COURSE CONTENT

7. Which theme(s) was the most interesting?

Svalbard archipolago - Svalbard, an example of international sustainable development in the Arctic.

8. Which theme(s) was the most difficult for understanding?

Carbon polygons as an effective tool for assessing the potential of carbon deposition by ecosystems of the Arctic zone of the Krasnoyarsk Territory

9. Which practical task(s) was the most interesting? Analysis of the questions of interest in the course of lectures

10. Which procife all tustoes now the most difficult to perform? there were no difficulties in completing assignments

11. Which tools and learning materials presented in the Moodle do you consider most useful for you in the process of blended learning (concerning this course)?

- · PowerPoint Presentations
- · Video lectures
- · Preparation materials for seminars and practical assignments · Examples of calculations
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deprived of the apportunity to ask clarifying questions directly during the lecture . Do not exceed traditional lectures in their efficiency

14. Does this course require improvement? If so, in what part?

· Yes, it does.

· No, it does not.

15. Do you have any wishes or recommendations concerning this course? I think this course is very well composed

Group: FOZ-M20-1-6 Student name: ZorinaAI



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