

Discussion on developing a MOOC on Auditing Water Issues





What is a MOOC?

Free access for
everybody

Open content

Free of charge

Fully online



In English

4-5 weeks

Self-paced

Certificate for 1 ETCS

4 QUALITY
EDUCATION





Study materials

Module 1: Environmental good governance

The first chapter of the course describes the main ideas in environmental good governance and the tools that governments use to regulate the environmental behaviour of both companies and citizens. Environmental good governance follows the principles of good governance, but the difference is that in the case of environmental good governance sustainability is advocated as the supreme consideration in managing all human activities – political, social and economic.

[Read more](#)

Module 2: Selecting topics for an environmental audit. The audit cycle

The aim of environmental audits is to analyse major environmental problems, identify their root causes and describe what the situation might lead to if left unresolved. Successfully focussing an audit helps an auditor approach relevant issues with the appropriate resources. An understanding of the processes that take place in nature and of the relationships between different ecosystems is necessary in order to grasp the relevance and scale of environmental problems.

[Read more](#)

Module 3: Audit Design Matrix

Audit design phase is crucial to the success of an audit, as otherwise there is a risk of using time and other resources unwisely. There are various elements you need to consider and decide on before heading out to work in the field.

For practical reasons it is useful to assemble these elements into one table, which is often referred to as an Audit Design Matrix (ADM) – a tool commonly used in the audit planning phase.

[Read more](#)

Module 4: Audit report

The purpose of auditing is to offer impartial opinions and advice with the aim of improving the processes in the sector that's been audited. The audit report has to be unbiased and demonstrate a good understanding of the subject. The publication of an audit report is also a crucial phase, as this is when the discussions will be accelerated and more attention will be attracted to the issues that have been uncovered.

[Read more](#)

Sources

Here you can find links to INTOSAI WGEA materials, audit examples and other sources.

[Read more](#)



Module 1: Environmental good governance

1.1. Sustainable development

1.2. Common environmental concepts

1.3. Environmental governance tools

Exercise 1

Module 2: Selecting topics for an environmental audit. The audit cycle

2.1. Identifying environmental problems

2.2. Selecting the audit topic

2.3. An environmental audit as a performance audit. The audit cycle

Exercise 2

Module 3: Audit Design Matrix

3.1. Audit objective

3.2. Audit questions

3.3. Criteria

3.4. Common methodologies in an environmental audit

Exercise 3

Module 4: Audit report

4.1. Analysing results and preparing a report

4.2. Publishing an audit report and communicating audit results

4.3. Follow-up activities

Exercise 4

Sources

4 modules

5 weeks

Exercises, videos, tests

207 registered participants

34 countries



AUDITING ENVIRONMENTAL IMPACTS OF INFRASTRUCTURE



EUROSAI

Working Group on
Environmental Auditing

Home Study guide **Study materials** Exercises Course team

Study materials

Module 1: Understanding Infrastructure Development

Nowadays, infrastructure is a natural part of our lives - we all benefit from different infrastructures daily. Furthermore, governments need infrastructure in order to provide vital public goods and services. Infrastructure development, however, requires spending quite a lot of public money and has environmental consequences.

[Read more](#)

Module 2: Governance Tools and Methods

The INTOSAI WGEA guidance material 'Environmental Issues Associated with Infrastructure Development' (INTOSAI WGEA, 2013) presents a range of tools and measures that are used by governments to better address the environmental and sustainability issues related to an infrastructure project.

[Read more](#)

Module 3: Auditing Sustainability of Infrastructure Projects

Sustainable development recognises the need for balance between economic, social and environmental aspects. Therefore, sustainability is not the same as environment friendliness, but a more complex concept. Sustainable development requires an effort from all sectors.

In order to audit the sustainability impact of infrastructure, the auditor should focus on environmental issues whilst paying attention to the social and economic aspects related to the topic.

[Read more](#)



Module 1: Understanding
Infrastructure Development

1.1. Infrastructure

1.2. Stages of Infrastructure
Development

1.3. Environmental Impact of
Infrastructure

Exercise 1

Module 2: Governance Tools
and Methods

2.1. Wider Context

2.2. Project Start Up

2.3. Project Delivery

2.4. Operational Service

Exercise 2

Module 3: Auditing
Sustainability of Infrastructure
Projects

3.1. Sustainability of water
infrastructure

3.2. Sustainability of road
infrastructure

3.3. Sustainability of material
use and mining

3.4. Sustainability aspects of
energy infrastructure

Exercise 3

Sources

3 modules

4 weeks

Exercises, videos, tests

166 registered participants

34 countries

<https://sisu.ut.ee/env-intro>

<https://sisu.ut.ee/env-infra>





EUROSAI

Working Group on
Environmental Auditing

Information and registration: www.moocs.ut.ee



riigikontroll
National Audit Office of Estonia



UNIVERSITY OF TARTU

Next courses will take place in autumn 2017
Registration is currently NOT open



Developing a Water-MOOC

- What topics should be covered?
- How should it be structured?

