



Workshop on

**“Black Sea Knowledge Institutions
Turn Green”**

Titania Hotel
Athens, 16 October 2012

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The research project is co-financed by



BSEC-HDF research project

- “Green Cluster of Knowledge Institutions of Black Sea: A Roadmap on Renewable Energy Sources and Energy Efficiency for Research and Academic Institutions”
- Co-funded by the BSEC – Hellenic Development Fund (HDF)
- Partners: ICBSS (Coordinator), TUBITAK MAM and University – Higher School of Economics (HSE)

Main objective:

- Build on the positive experience gained in EU and BSEC countries in the sectors of EE and RES, by transferring know-how, environmental tools and promoting capacity building and cooperation through the emergence of a “Green Cluster of knowledge Institutions of Black Sea”

Project's key-deliverable

- Roadmap for Awareness and Implementation of Energy Efficiency and use of RES Schemes in the Black Sea Knowledge Institutions



Main characteristics of the Roadmap

- A **key deliverable** of the BSEC-HDF research project “Green Cluster of Knowledge Institutions of Black Sea: A Roadmap on Renewable Energy Sources and Energy Efficiency for Research and Academic Institutions”
- Addresses to “**knowledge institutions**” of the Black Sea countries
- A **voluntary** tool / descriptive manual aiming at transferring knowledge and know-how in order to implement soft green practices and become more energy efficient and cost-savers

It was developed on the basis of:

- The **international and European** existing manuals and guidelines
- The current **national legal frameworks** of the Black Sea countries participating in the project (Greece, Turkey and Russia) and the **Black Sea** coordinated efforts for efficient energy performance
- A number of international, European and Black Sea **best practices** that have successfully implemented energy efficiency and RES practices in knowledge institutions

Step-by-step approach

Step 1: Commitment to energy efficiency and the use of RES

Step 2: State of the art

Step 3: Setting the general goals

Step 4: Development of Action Plan

Step 5: Implementation of Action Plan

Step 6: Evaluation of outcomes and continuous improvement

Step 7: Broadening the green practices

Step 1: Commitment to energy efficiency and the use of RES

1.1 Justification for the need to implement of energy efficiency measures and RES schemes

1.2 Appointment of Energy Manager / Team

1.3 Decision-making process

Step 2: State of the art

2.1 Definition of the analysis

2.2 Identification of data sources

2.3 Energy inputs and emission outputs

2.4 Technical specifications

Step 3: Setting the general goals

3.1 Definition of overall goals

3.2 Decision-making

Step 4: Development of Action Plan

4.1 Specific targets

4.2 Mapping and involvement of the main stakeholders

4.3 Technical division of labor: roles and resources

Step 5: Implementation of Action Plan

5.1 Raise awareness

5.2 Training

5.3 Monitoring and reporting

Step 6: Evaluation of outcomes and continuous improvement

6.1 Performance indicators

6.2 Rewarding

Step 7: Broadening the green practices

7.1 Examining further steps for implementing green practices in other sectors of the institution

7.2 Cooperation with similar institutions in building green networks and clusters in Black Sea countries and EU

Establishment of the Green Cluster of Knowledge Institutions

The main target of the project was the establishment of a **Green Cluster of research and academic institutions** that would share the same vision of:

1. disseminating environmental awareness and scientific knowledge and
2. creating cooperation linkages

Green Cluster of Black Sea Knowledge Institutions

- It **aims** at supporting a regional partnership of academic and research institutions of the Black Sea countries, able to address the key energy challenges, disseminate the project's outcomes and promote the use of renewable energy sources and energy efficiency practices in the Black Sea area.
- It is **open and free of charge** for all Black Sea research and academic institutions and will be constantly growing with additional members

Members of the Green Cluster

The project partners invited institutions from all the Black Sea countries:

ICBSS: from GR, GE, AZ and SE

TUBITAK MAM: from TR, AL, BG and RO

HSE: RU, UA, MD and AM

Current list of members:

ALBANIA: 1

ARMENIA: 1

AZERBAIJAN: 1

BULGARIA: 2

GEORGIA: 1

GREECE: 5

MOLDOVA: 1

ROMANIA: 2

RUSSIA: 3

TURKEY: 4

UKRAINE: 1

Joint Statement commitments



JOINT STATEMENT

of the Green Cluster of Black Sea Knowledge Institutions
on energy efficiency and use of renewable energy schemes

BLACK SEA KNOWLEDGE INSTITUTIONS TURN GREEN

- improve the energy performance of the institutions
- promote the dissemination of the Roadmap to all knowledge institutions of the Black Sea countries
- diffuse knowledge concerning international and European trends on EE and RES policies and tools and good practices of other research and academic institutions
- expand the existing green cluster inviting more knowledge institutions with similar goals to join it
- strengthen international cooperation among similar Green Networks in the field of EE, RES and sustainable development

Dissemination

- ICBSS will be the coordinator of the Green Cluster, providing its web-platform (www.icbss.org) for the needs of the cluster
- As a related body of the BSEC and its acknowledged think-tank, ICBSS possesses a vast network of contacts
- Dissemination of the project's material (Roadmap, leaflets, reports etc.) to relevant events / workshops / round-tables etc.



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2012-07-18

Green Cluster of Black Sea Knowledge Institutions

Launching the Green Cluster of Black Sea Knowledge Institutions

Welcome to the **Green Cluster of Black Sea Knowledge Institutions**, established under the BSEC-HDF research project "Green Cluster of Knowledge Institutions of Black Sea: A Roadmap on Renewable Energy Sources and Energy Efficiency for Research and Academic Institutions".

The Green Cluster **aims** at supporting a regional partnership of academic and research institutions of the Black Sea countries, able to address the key energy challenges, disseminate the project's outcomes and promote the use of renewable energy sources and energy efficiency practices in the Black Sea area.

If your institution is interested in **becoming a member** of the Green Cluster, please sign the **Joint Statement** and send it to us at:
icbss@icbss.org

Read more to download the Joint Statement and the Members of the Green Cluster.

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Workshop on Black Sea Knowledge Institutions Turn Green



The International Centre for Black Sea Studies (ICBSS)

kindly invites you to the

Workshop on "Black Sea Knowledge Institutions Turn Green"

in Athens, on 16 October 2012

TITANIA Hotel, 52 Panepistimiou Ave.

The Workshop is being organized in the framework of the research project "Green Cluster of Knowledge Institutions of the Black Sea: A Roadmap on Renewable Energy Sources and Energy Efficiency for Research and Academic Institutions", which is co-funded by the BSEC-Hellenic Development Fund (HDF) and coordinated by the International Centre for Black Sea Studies (ICBSS).

The project is dedicated to establish a **Green Cluster of Knowledge Institutions** with a view to supporting a regional partnership of academic and research institutions of the Black Sea countries, able to address the key energy challenges, disseminate the project's outcomes and promote Renewable Energy Sources (RES) and Energy Efficiency (EE) in the Black Sea area.

The Workshop aims at presenting and further promoting the Green Cluster of Black Sea Knowledge Institutions, bringing together representatives from the academic and research communities and the public and private sector.

For more information and the agenda of the workshop visit our website www.icbss.org.

The research project is co-funded by the BSEC HDF and coordinated by the ICBSS

Related File

- Workshop on "Black Sea invitation"
Programme_WORKSHOP_

Tools

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Thank you for your attention!

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