

### Workshop on

# "Black Sea Knowledge Institutions Turn Green"

Titania Hotel Athens, 16 October 2012

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## **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 knowhow, environmental tools and promoting capacity building and cooperation through the emergence of a "Green Cluster of knowledge Institutions of Black Sea"

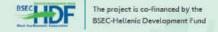
### **Project's key-deliverable**

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



### Black Sea Knowledge Institutions Turn Green

"A 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 <u>Green</u>

<u>Cluster of research and academic institutions</u> that would share the same vision of:

- disseminating environmental awareness and scientific knowledge and
- 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 <u>open and free of charge</u> 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 (<u>www.icbss.org</u>) for the needs of the cluster
- As a related body of the BSEC and its acknowledged thinktank, 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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#### Green Cluster of Black Sea Knowledge Institutions

Launching the Green Cluster of Black Sea Knowledge Institutions

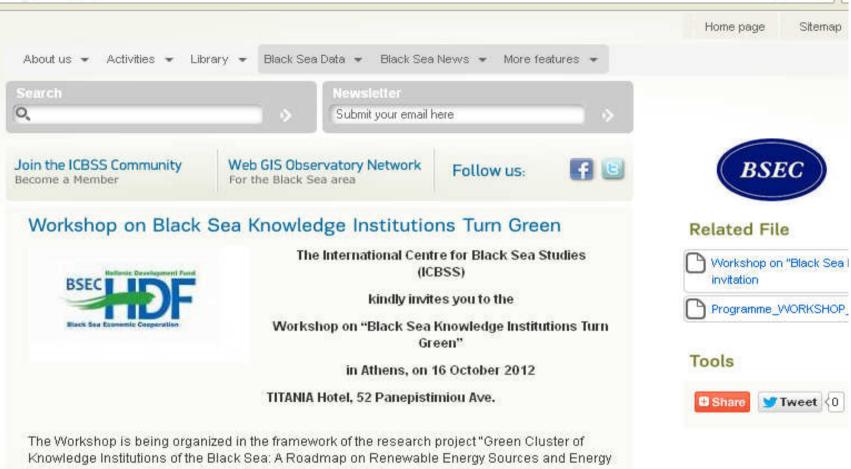
Welcome to the Green Cluster of Black Sea Knowledge Institutions, established under the BSEC-HDF research project "Green Cluster of Knowledge Institutions of Black Sea: A Roadmap on Renewable Energy Sources and Energy Efficiency for Research and Academic Institutions".

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.





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 received areject is so funded by the BOEC LINE and coordinated by the 10000

# Thank you for your attention!

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