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Co-ordination of Research Policies
with the Western Balkan Countries



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Common database on national science policies towards global issues

<http://www.global-issues-rtd.info/>

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Executive Summary

This deliverable “D3.15: Common database on national science policies towards global issues” is one of two deliverables (the other one is D3.1: Common methodological approach to collect information on national science policies towards global issues) of the task “T3.5 Analysis of National Policies Regarding Global Issues” of Workpackage 3 Monitoring and Analysis of S&T Cooperation.

The purpose of this task (T3.5) has been to analyse and document, if and how, the global S&T issues are of relevance for the Western Balkan Countries and to establish in cooperation with other INCO-NETs, a database/information system on national RTD policies and programmes on global issues.

The main objectives of this deliverable (D3.15) are - as agreed upon at the workshop in Bled (March 2008, see D3.14) - to develop the technical platform (online questionnaire and homepage for data retrieval) for the information system and to collect data about national RTD policies and programmes with regard to Climate Change Research in Western Balkan countries.

The present report on national Climate Change research programmes in Western Balkan countries is based on information received from correspondents from Western Balkan Countries (Albania, Croatia, Bosnia and Herzegovina, Former Yugoslav Republic of Macedonia, Kosovo/UNMIK, Montenegro, Serbia) through web based online questionnaire and desk research carried out by staff of Centre for Social Innovation Vienna. This report was first drafted on December 2008 and has been regularly (annually) updated for the duration of the project.

Gathering of the information for building up the Common database on national science policies towards global issues with regard to Climate Change Research turned out to be a big challenge, which could be accomplished only partially, because of the general problem that Climate Change research specific “programmes” do not exist yet in the Western Balkans Countries: **None of the Western Balkans Countries has a special national research programme on Climate Change yet.**

There are several governmental climate change strategies (often directly linked with UN Framework Convention on Climate Change UNFCCC) adopted or in preparation which include RTD components and there are some climate change related RTD projects being carried out in WBC, but specific programmes in which a coherent set of

RTD activities over a wider area of scientific disciplines would have been put together with clear sources of funding could not be identified in WBC.

It should be pointed out that in November 2008 there was one positive change in WBC and this is the establishment of the SEE/CCFAP-A platform and adoption of SEE/CCFAP-A action plan, which intends to intensify the cooperation between the participating countries in the development of the regional (WBC) programmes concerning climate change issues and it can be expected that such regional cooperation has the potential to accelerate also the development of national Climate Change Research programmes and strategies.

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0. Abbreviations

IPCC	Intergovernmental Panel on Climate Change
GEF	Global Environment Facility
NGOs	Non-governmental organisations
RCC	Regional Cooperation Center
REC	Regional Environmental Centre for Eastern and Central Europe
RTD	Research and Technological Development / Research and Technology Development
S&T	Science and Technology
SEE	South Eastern Europe
SEE/CCFAP-A	South East European Climate Change Framework Action Plan for Adaption
UNFCCC	United Nations Framework Convention on Climate Change
UNDP	United Nations Development Programme
WBC	Western Balkan Countries
WP	Work Package
ZSI	Centre for Social Innovation, Vienna

1. Data Gathering & Realisation

For data collection, for the “INCO-NETs Global Issues RTD Programmes Information System”, an online-survey has been chosen as main method to be applied. As agreed on Bled Workshop in March 2008 the online questionnaire tool (with information about the data collection) was developed by the Centre for Social Innovation.

Figure 1: Global Issues RTD website

The screenshot shows a web browser window with the title "Insert new programme :: global-issues-rtd - Mozilla Firefox". The address bar contains "http://www.global-issues-rtd.info/programmes/blank". The page content includes a navigation menu on the left with links: "About", "View programmes", "Submit a programme", and "Admin login". The main content area is titled "Insert new programme" and contains a form with the following sections:

- I. General information**
- Is it a national strategy or a programme? *:
 National Strategy Programme
- Country *:
[Please select]
- Title of the programme/strategy * (in English):
[Input field]
- Title of the programme/strategy * (Original Language):
[Input field]
- Keywords * (comma-separated):
[Input field]
- Overview * (Short summary of goals, aims, focus, beneficiaries):
[Input field]

With this online tool our correspondents could enter data via internet.

The data received via the online questionnaire has been complemented also by desk research and telephone interviews.

The data collection template (and the questionnaire) for the “INCO-NETs Global Issues RTD Programmes Information System” (for details see Annex I or <http://www.global-issues-rtd.info/programmes/blank>) offers specific fields for data entry, which clearly describe the expected categorisation and documentation of RTD programmes. The data collection template is very much oriented on the information

architecture of ERAWATCH¹ in order to develop an ERAWATCH compatible information system.

The database provides a directory of submitted research programmes and other relevant documents (e.g. national strategies), which can be accessed worldwide over the Internet by anyone. The data submitted are included in the online database after the approval by the database administrator (for further information about the database see: <http://www.global-issues-rtd.info/index.html>).

As decided at Bled INCO-Net Global Issues Workshop in March 2008 (see D3.14) for the pilot phase of information gathering for the common database on national science policies towards global issues the topic of “Climate Change research programmes” (climate mitigation and adaptation) has been chosen. The topic for the pilot phase has been chosen among other important global issues identified at the workshop (e.g. Poverty reduction / MDGs, Energy and water scarcity, Change in the balance of economic power, Food security, Migration and conflicts (local and global), etc.), because currently Climate Change represents one of the major global problems (see D3.14). Furthermore, the research community from the field of Climate Change Research has shown an interest for the collection of the “Climate Change research programmes”, because until now such a database did not exist.

For the gathering of the information, we implemented a mixed approach:

- a) identify local correspondents to provide the requested information
- b) complement input by desk research at the same time.

Identification of competent local correspondents from the field of Climate Change research in Western Balkan countries was carried out as follows (for details see also Annex II – List of contact persons and correspondents):

1. WBC-inco.net partners suggested some of the correspondents and informed us about the competent institutions in their countries.
2. Correspondents were identified through extensive Climate Change experts mapping in the Western Balkan Countries.
3. Some of the Climate Change experts from WBC have been contacted during the “FP7 Environment Partnering Event Slovenia and the Western Balkan

¹ ERAWATCH is (<http://cordis.europa.eu/erawatch/>) a very valuable information system of the European Commission documenting RTD programmes and policies in EU Member States as well as in some selected third countries (but not extended to the International Cooperation Partner Countries - ICPCs and not thematically focussing on any global issue).

Information day" (Ljubljana, 22. October 2008 - organised within the framework of the ERAWESTBALKAN+ project)

The information for correspondents (purpose of information collection, questionnaire in excel format, example from Germany, climate change research programme data set, spreadsheet and link to online database) was distributed via email to all correspondents. Further information about the questionnaire has been provided to local correspondents during telephone conversations with each of the correspondents. With some of the correspondents, also a method of telephone interview (open question method) was chosen to gather more information about further developments in the field of Climate Change Research in their countries.

2. Results and Conclusions

2.1 Summary of the received information

Gathering of the information for building up the common database on national science policies towards global issues with regard to Climate Change Research was a big challenge, which could be accomplished only partially, because of the general problem that Climate Change research specific “programmes” do not exist yet in the Western Balkans Countries.

There are several governmental climate change strategies (often directly linked with UN Framework Convention on Climate Change UN FCCC) adopted or in preparation, which include RTD components and there are some climate change related RTD projects being carried out in WBC but specific programmes in which a coherent set of RTD activities over a wider area of scientific disciplines would have been put together with clear sources of funding could not be identified in WBC.

Practical problems with data collection have been as follows:

- Better and more exact definition of the terminus “Climate Change Research” is needed.
- Clear definitions and distinctions between “research project”, “research programme”, “plan” and “strategy” have to be elaborated in order to guide local correspondents in their delivery of information.
- Lack of access to information and lack of motivation to provide requested information among some of correspondents
- Lack of inter-sectoral information exchange (between Ministries of Environment, Agriculture, Science, etc.)
- Discontent over the flood of questionnaires received from European and other international stakeholders

It should be pointed out that the received responses show, that **none of the Western Balkans Countries has a special national research programme on Climate Change.**

The same results have been shown also by the research, which was done in 2006 in the framework of the FP6 based project CIRCLE – Climate Impact Research Coordination for a Larger Europe - *“It should be pointed out that most countries in South-Eastern Europe don’t have any running national Programmes on climate impacts and adaptation measures. They are – to a different extent – integrated in*

international, European or US-American or Canadian studies and projects which are funded from various sources (including the European Commission).” (see Report on the current state of National Research Programmes on Climate Change Impacts and Adaptation in Europe - Examples from SEE Countries, p. 247- 260)².

However, our investigations show (see the data sets in Annex II for details) that some progress in past three years has been achieved: in Albania, Croatia and Former Yugoslav Republic of Macedonia by adaption of the National Strategies on Climate Change. Recently, also “National Focal Points to the UNFCCC”³ in all of Western Balkan Countries, except Kosovo/UNMIK, have been established.

Table 1: Matrix - Types of available information/documents on Climate Change Research

Types of available Information/Documents on Climate Change Research	UNFCCC National Communication (chapter onRTD)	National Strategies and National Action Plans, with Climate Change Research Components	National Funding Programmes on Climate Change in Related Sectors (Energy, Environment, Forestry...	Special National Funding Programmes on Climate Change Research	Participation in SEE/CCFAP-A ⁴	Other
Country						
Albania	X		X		X	
Croatia	X	X				
Bosnia and Herzegovina		X			X	
Former Yugoslav Republic of Macedonia	X	X			X	
Kosovo/UNMIK						Project driven research
Montenegro					X	
Serbia		X			X	

The matrix above shows, the types of information/documents which are currently available in WBC. Through our investigation we have identified following types of documents regarding Climate Change research:

² CIRCLE- Report available online: <http://www.circle-era.net/results/>

³ List of National Focal Points to the UNFCCC: <http://maindb.unfccc.int/public/nfp.pl>

⁴ South East European Climate Change Framework Action Plan for Adaption (See page 8)

- UNFCCC National Communications (chapter on RTD),
- National Strategies and National Action Plans with Climate change research components,
- National Funding Programmes on climate Change Related Sector (e.g. Energy, Environment, Water and so on),
- Special National Funding Programmes on Climate Change Research
- Sub-regional Programmes towards Climate Change Issues and
- other mainly smaller research projects (funded by international NGOs). For detailed information about the documents see Annex 1 or <http://www.global-issues-rtd.info/index.html> .

Currently (September 2009) Albania, Croatia and Former Yugoslav Republic of Macedonia have national strategies, where climate change impacts and adaption measures, including research are mentioned and foreseen in the near future.

In Albania, UNDP is running a Programme on Climate Change with a research component. Serbia has a running environmental programme with research component on Climate Change (from 2005). Currently Serbia's Ministry of Environmental Protection and Spatial Planning is preparing a National Strategy on Climate Change. In Bosnia and Herzegovina the National Environmental Action Plan was adopted in 2003 by the Federal government and the national strategy is supposed to be prepared in near future.

Kosovo/UNMIK and Montenegro do not have national strategies on Climate Change and currently no active national Climate Change research programmes. Currently both countries are preparing the national strategies in the field of Climate Change.

It should be pointed out that our investigation has shown that there has been made some progress in **SEE regional cooperation between Albania, Bosnia and Herzegovina, Montenegro, Former Yugoslav Republic of Macedonia and Serbia** in the field of Climate Change related RTD policies and programmes in cooperation with the Regional Cooperation Council, Sarajevo. All listed SEE Countries (except Croatia and Kosovo/UNMIK) are participating in the **South East European Climate Change Framework Action Plan for Adaption – SEE/CCFAP-A**, which was developed by the joint effort of participating countries, which have been interested in

creating a common platform for regional cooperation in climate change issues. The development of SEE/CCFAP-A has been funded by the Royal Ministry of Foreign Affairs of Norway. The SEE/CCFAP-A was supported by the Ministers of Environment of the participating countries and other donor institutions (UNDP, World Bank and other) and the agreement was set through joint statement at the conference, which was held in Sarajevo in November 2008.

The **SEE/CCFAP-A action plan** consists of Programmes for Adaption and defines proposed actions and needs in different sub-regional programmes in which also the research components are foreseen⁵:

- SUB-REGIONAL PROGRAMME 1/ STRATEGIC FOCUS: Climate Change and Public Health, Safety and Emergency Preparedness
- SUB-REGIONAL PROGRAMME 2/ STRATEGIC FOCUS: Climate Change and Water Resources Management, Freshwater Quantity and Quality and Water Supply
- SUB-REGIONAL PROGRAMME 3/ STRATEGIC FOCUS: Climate Change and Agriculture and Forestry
- SUB-REGIONAL PROGRAMME 4/ STRATEGIC FOCUS: Climate Change and Land Use, Buildings and Transportation
- SUB-REGIONAL PROGRAMME 5/ STRATEGIC FOCUS: Climate Change and Tourism
- SUB-REGIONAL PROGRAMME 6/ STRATEGIC FOCUS: Climate Change and Coastal Zone
- SUB-REGIONAL PROGRAMME 7/ STRATEGIC FOCUS: Climate Change and Biodiversity and Ecosystems
- SUB-REGIONAL PROGRAMME 8/ STRATEGIC FOCUS: Climate Change and Energy

The above listed cooperative Sub-regional SEE Programmes for Climate Change Adaptation are focused on integrated impact and vulnerability assessments, adaptation planning and implementation in a variety of sectors that are very important to the region, and also for the regional and international co-operation.

In the frame of the SEE/CCFAP-A, the establishment of a **Balkan Regional Climate Change Forum (BRCCF)** is planned in the near future. The role of this forum would be to support the political and policy dialogue to facilitate the coordination of the activities on Climate Change mitigation and adaption. Also, it should be used by

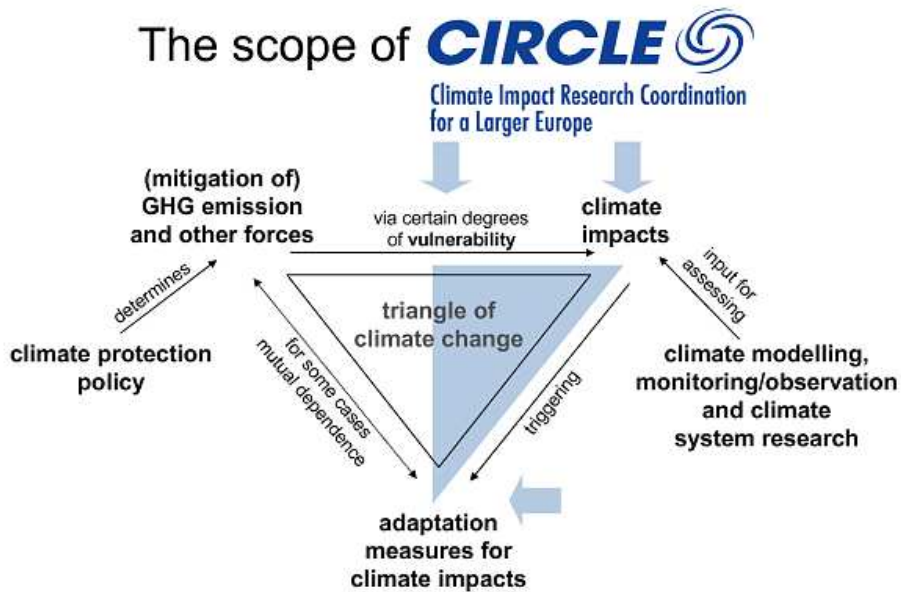
⁵ See South East European Climate Change Framework Action Plan for Adaption – Printed Issue (p.58 -68) (Further information: www.rcc.int Contact: miroslav.kukobat@rcc.int)

UNFCCC focal points and the Open Balkan Group to get endorsement from the Ministries for joint regional actions in the global climate change process (see Joint statement of the Ministers, Sarajevo November 2008)⁶.

It should be stressed, that adopted SEE/CCFAP-A action plan already contains proposed national adaptation policies/measures and proposed projects (some of them with Climate Change research components) from participating countries⁷.

An important European platform for coordination of Climate Change research is the **CIRCLE (Climate Impact Research for a Larger Europe) ERA-net project** www.circle-era.net. CIRCLE ERA-Net is a Coordination network of research funding and management organisations aiming at the implementation of a European Research Area (ERA) on Climate Change Impacts, Vulnerability and Adaptation. CIRCLE started in summer 2004 and is currently extending its activities within the ERA-Net frame for 2005-2009.

Figure 2: The scope of CIRCLE⁸



⁶ See http://www.rec.org/REC/Programs/REREP/docs/11th_meeting/statement.pdf

⁷ See South East European Climate Change Framework Action Plan for Adaption – Printed Issue (Further information: www.rcc.int (p.84-107)

⁸ See <http://www.circle-era.net/about-circle/>

A follow-up project called **CIRCLE 2 (Climate Impact Response Coordination for a Larger Europe)** has been submitted in FP7 and is under negotiations with EC these days. The aim of CIRCLE 2 is to actively support, based on its research funding and coordination, adaptation efforts on different scales. There are regional sub-groupings (like for instance a Central and Eastern European group of countries) with special joint calls planned and partially already active in CIRCLE. Western Balkan countries have the opportunity to participate in the network as „observers“ without the obligation of providing funding for the joint ERA-net call. Contact: circle@circle-era.net

In general it can be said – based on the discussions that took place at CIRCLE Final and Outlook conference which took place in Vienna (9 September, 2009) and based on the findings of the investigations within WBC-INCO.net Global Issues task - that there are huge gaps existing even in EU member states regarding information systems on climate change related research. Climate Change Impact, Mitigation and Adaptation has implications for very many sectors (environment, economy, energy, forestry, to name only some of them) and thus there are climate change related research activities carried out by several public authorities with often limited coordination even on national level. If subnational/provincial level and local level (which is actually most important for climate change adaptation) are added to the observation, it becomes clear that the building up of information systems on climate change research is a very important but yet by far unfinished task even in advanced countries.

The information collected in “T3.5 Analysis of National Policies Regarding Global Issues” of Workpackage 3 “Monitoring and Analysis of S&T Cooperation” can be regarded as a status quo analysis which can help to identify knowledge and coordination gaps in WBCs that can be addressed in a next phase in policy dialogue activities (on the one hand this topic could be addressed at one of next WBC Steering Platform meetings and on the other hand the results can be discussed in a cross-regional comparison with other INCO.nets at the Global Issues conference which is planned within EECA INCO.net).

As mentioned above a very recommendable way of know-how transfer from climate change research frontrunner countries of ERA to WBCs would be for WBCs to participate in CIRCLE2 as observers.

It is also **proposed** to provide within the FP Capacities programme the opportunity to develop some kind of **thematic global INCO-net on Climate Change research** which would provide the policy dialogue platform for a cross-regional thematic approach to the challenge of building up collaboratively an ERA-Watch compatible

global information system on climate change research (e.g. Global research area information clearing house on climate change).

We can also conclude that currently Climate Change research in Western Balkan Countries is developing very slowly because of the lack of national funding for Climate Change Research Programmes.

From our correspondents from WBC, we have also received the information that Climate Change Research is more project-based driven. This means that Climate Change research depends on available international funding by EU, individual EU member state governments, US-American NGOs, UNDP and other international governmental organizations (United Nations system) or other international NGOs.

We can conclude that as a common element in WBC the development towards adaption of national Climate Change research programmes has been very slow. Among other reasons (e.g. very high percentage of national budgets allocated to countries' social transfers), currently one of the main reasons for little or no progress in this area is the current global economic and financial crisis, which causes difficulties in funding national Climate Change research programmes.

Some further information about current and expected developments in each of Western Balkan countries is available on links to further information sources provided by correspondents (See Annex III or <http://www.global-issues-rtd.info/programmes/list>).

As D.3.15. has been a pilot case with "climate change" as a major "global issue" and with Western Balkan countries comprising a manageable number of countries, it can be said that the exercise has been very useful, unveiling very valuable insights into potentials for improvement of the data collection approach for building up a common (global) database on national science policies towards global issues with other INCO-nets and other INCO projects.

Cooperation in this regard is clearly foreseen with the projects SEA-EU-NET (focused on South-East Asia) and INCO-NET-EECA (focused on Eastern Europe and Central Asia), which have already used the same method to gather data and started to insert programmes that will also be available at <http://www.global-issues-rtd.info/programmes/list>.

One lesson learnt is certainly the experience that local correspondents don't provide the requested data unless they are continuously contacted, motivated and informed by the data base administrator. The only viable solution might be perhaps even to

build up a national (or regional) correspondent's network and to pay these experts (as it is being done within ERA-Watch).

The second very important lesson learnt is that significant efforts should be invested in the area of development of sophisticated guidelines for data collection. Such guidelines should give clear answers what to interpret the term "climate change research", where to draw delimitations and so on.

2.2 Short Information on recent Climate Change Research Issues developments in WBC (by country)

Albania

Type of Document submitted: Programme

In Albania a special “UNDP Climate Change Umbrella Programme” is running, which provides overall support to the Government of Albania in addressing climate change issues and implementation of the UNFCCC and its Kyoto Protocol. The submitted programme on Climate Change issues has a research component on Climate Change. The programme is funded by: Global Environmental Agency, United Nations Development Programme, Austrian Development Agency and Regional Environmental Center. Currently Albania has no national research programme on Climate Change. Most of the research institutions dealing with Climate Change Research collaborate in different research projects.

(Further Information: <http://www.rec.org/rec/Introduction/CountryOffices/Albania.html>)

Bosnia and Herzegovina

Type of Document submitted: Other – National Action Plan

National Environmental Action Plan (NEAP) for B&H which is based on national sustainable development priorities, Rio Agenda 21 and on objectives and priorities of The Sixth European Community Environment Action Programme 2001-2010, also considers climate change issues. The National Strategy on Climate Change will be prepared in the next years. Useful link for further information about the current developments is <http://www.undp.ba/index.aspx?PID=21&RID=71> .

Croatia

Types of Documents submitted: Strategy with Action Plan and National Programme

The Croatian government adopted a “National Strategy for Implementation of the United Nations Framework Convention on Climate Change (UNFCCC) and the Kyoto Protocol in the Republic of Croatia, with an Action Plan”. In this document it is stressed that further research and development programmes in the Climate Change field shall be promoted and transfer and utilization of new technologies, optional technical measures, pilot-projects and researches in adaptation to impacts of climate change shall be encouraged. Research policy areas targeted in this strategy are: Applied industrial research, Human resources development, International research collaboration, Knowledge transfer (between researchers) and Problem driven (basic) research. At beginning of 2009 **Croatian** government announced its intention to establish a “Research and development programme on Climate Change issues” in

the next years. The foreseen programme is one of National Action plan measures⁹. Also in Croatia a National Programme to Mitigate Drought Impacts and Combat Desertification (NAP) was developed through a project founded by the Ministry of Science, Education and Sport. (Further information: http://klima.hr/razno_e.php?id=projects¶m=)

Former Yugoslav Republic of Macedonia

Types of Documents submitted: 3 National Strategies

There are two documents (strategies) dealing with Climate Change issues. First is the “First National Communication to the UNFCCC”, which aims to improve the existing databases and to carry out the research of mezzo-scale and micro-scale climate systems. In this communication, the research policy priority targeted is problem-driven (basic) research and the target groups are higher education institutions research units/centres. In the next months the “Second National Communication to the UNFCCC”, will be adopted by the Government of Former Yugoslav Republic of Macedonia (Further information: <http://www.unfccc.org.mk/>).

In December 2008 the “Second National Communication to the UNFCCC”, has been adopted by the Government of Former Yugoslav Republic of Macedonia. In the coming years the Government plans to develop a “Research support programme for development of new mitigation technologies and transfer of existing ones”. Funding for this programme, which is one of the measures mentioned in the Second National Communication to the UNFCCC, is planned to be financed from national budget, foreign donations and EU Research programmes.¹⁰

The third document submitted, is “Strategy on Sustainable Development of Forestry”, where climate change issues (Support to research and monitoring activities for better

⁹ See http://klima.mzopu.hr/UserDocsImages/STRATEGY_Objective_and_measures.pdf and <http://www.global-issues-rtd.info/programmes/122.html>

¹⁰ See Second National Communication to the UNFCCC, December 2008 (page 96) <http://www.unfccc.org.mk/>.

understanding of the possible impact of climate change on forests and their ability to reduce the impact of disasters as extreme weather events) are considered.

Kosovo/UNMIK

Kosovo has currently no national strategy and no running national Climate Change research programme. There are currently some projects on Climate Change issues funded by international NGOs. (Further Information: <http://kos.rec.org/> or http://www.ks-gov.net/mmph/english/index_eng.htm).

Montenegro

Currently Montenegro has neither a national strategy nor a running national research programme on Climate Change. The Ministry of Environmental Protection (National Focal Point) is preparing the Strategy on Climate Change issues. This year also the Agency for Environmental Protection has been established. (Further Information: <http://www.gov.me/eng/minzastsred/vijesti.php?akcija=rubrika&rubrika=28> or <http://www.undp.org.me/>).

Serbia

Type of Document submitted: Programme

Currently Serbia has no special national programme on Climate Change Research. However, but the submitted "National Environmental Protection Programme" also considers climate change issues in the field of research.

Current activities of the Ministry of Environmental Protection and Spatial Planning are: the elaboration of the Framework Climate Change Strategy, with an action plan; Building capacities for technology transfer and the evaluation of necessary technologies; Preparation of the program of measures for ensuring adequate adaptation to the changed climate – coordinated by the Hydro-meteorological Service of the Republic of Serbia. (Further Information: <http://www.ekoserb.sr.gov.yu/>).

Annex I – Data Collection/Questionnaire Template

I. General information	
Country	
Type of the Document:	Programme/Strategy/Other
Title of the Programme/Strategy (in English)	
Title of the Programme/Strategy (Original language)	
Keywords	
Overview (Short summary of goals, aims, focus, beneficiaries)	
Background and rationale (Explain the rationale of the programme/Strategy in relation to the national research system)	
II. Detailed information	
Start date	
Expected end date	
Research Policy Priorities Targeted (More than one answer possible)	Basic research
	Problem driven (basic) research
	Pre-competitive research
	Applied industrial research
	Social sciences research
	Knowledge transfer (between researchers)
	Human resources development
	International research collaboration
	Networking
Additional comments	
Relation to other Programmes (Please describe if/how the programme relates to other programmes)	
The programme was inspired by (More than one possible answer)	Inspired by an existing programme of another country
	Inspired by national policy debate (e.g. study, consultative review, etc.)
	Inspired by need to meet EU level policy objectives
	Programme is novel
	Other (Please explain)

Geographic coverage (If the programme only concerns certain region(s) of the country, please mention them)														
Target group(s) (or beneficiaries of the programme and also which group (s) are eligible to apply for funding (more than one possible answer - please make it bold))	<table border="1"> <tr><td>All companies</td></tr> <tr><td>SMEs only</td></tr> <tr><td>Consultancies and other private service providers (for-profit)</td></tr> <tr><td>Scientists/researchers (as individuals)</td></tr> <tr><td>Higher education institutions research units/centres</td></tr> <tr><td>Other non-profit research organisations (not HEI)</td></tr> <tr><td>Higher education institutions (education function)</td></tr> <tr><td>Other public education institutions (secondary, etc.)</td></tr> <tr><td>Private institutions for education / lifelong learning</td></tr> <tr><td>Technology and innovation centres (non-profit)</td></tr> <tr><td>Business organisations (Chambers of Commerce...)</td></tr> <tr><td>New technology based firms/ new knowledge intensive service firms</td></tr> <tr><td>Others</td></tr> </table>	All companies	SMEs only	Consultancies and other private service providers (for-profit)	Scientists/researchers (as individuals)	Higher education institutions research units/centres	Other non-profit research organisations (not HEI)	Higher education institutions (education function)	Other public education institutions (secondary, etc.)	Private institutions for education / lifelong learning	Technology and innovation centres (non-profit)	Business organisations (Chambers of Commerce...)	New technology based firms/ new knowledge intensive service firms	Others
All companies														
SMEs only														
Consultancies and other private service providers (for-profit)														
Scientists/researchers (as individuals)														
Higher education institutions research units/centres														
Other non-profit research organisations (not HEI)														
Higher education institutions (education function)														
Other public education institutions (secondary, etc.)														
Private institutions for education / lifelong learning														
Technology and innovation centres (non-profit)														
Business organisations (Chambers of Commerce...)														
New technology based firms/ new knowledge intensive service firms														
Others														
Research Themes and Disciplines of Research Targeted (Please describe briefly the thematic orientation of the programme)														
Target fields (Please indicate which categories/themes are relevant in the program) (More than one possible answer)	<table border="1"> <tr><td>Health</td></tr> <tr><td>Environment</td></tr> <tr><td>Energy</td></tr> <tr><td>ICT</td></tr> <tr><td>Biotechnology</td></tr> <tr><td>Food and Agriculture</td></tr> <tr><td>Socio-economic sciences and the Humanities</td></tr> <tr><td>Nanotechnology, nanosciences, materials and new production technologies</td></tr> <tr><td>Other (Please specify)</td></tr> </table>	Health	Environment	Energy	ICT	Biotechnology	Food and Agriculture	Socio-economic sciences and the Humanities	Nanotechnology, nanosciences, materials and new production technologies	Other (Please specify)				
Health														
Environment														
Energy														
ICT														
Biotechnology														
Food and Agriculture														
Socio-economic sciences and the Humanities														
Nanotechnology, nanosciences, materials and new production technologies														
Other (Please specify)														
Overall implementation structure of the programme (Brief description the way in which this programme is implemented, in terms of its organisation (e.g. as series of subprogrammes or around themes))														

Subprogramme structure (Please briefly describe (if any))	
Management structure (How is the programme managed, which are the cycles of operation?)	
Selection of Projects (Please indicate if there are fixed calls for participation and list the selection criteria)	
Openness to other countries (Please indicate under what conditions are participants from EU or third countries able to participate and/or get financing from this programme)	
Mode of funding (More than one possible answer)	Grants
	Subsidized loans (including interest allowances)
	Venture capital (including subordinated loans)
	Guarantees
	Tax incentives (including reduction of social charges)
	Other (Please specify)
	No direct funding provided
Co-financing sources (other than national public sources of funding)	
Eligible costs (More than one possible answer)	Labour costs (including overheads)
	Infrastructure (buildings)
	Equipment
	Training (including study trips)
	External expertise (consultants, studies, etc.)
	Other (Please specify)
Overall budget of the programme (in EUROS)	
Additional Comments	
III. Results, Evaluation and Impact	
Measurement of outcomes (Please indicate if any indicators were publicly specified ex ante)	Yes
	No
Programme Evaluation (more than one possible answer)	Ex-ante
	On-going/Mid-term
	Final/Ex-post
	Additional Comments
Results (Publication and exploitation: is there any information on exploitation of this programme)	

Further Developments (Please indicate if the outcome of the programme led to an extension or renewal of the programme)	
IV. How to find out more	
Information Source (URL - website, reports)	
Funding Agency (Name and URL)	
Launching Agency (Name and URL)	
Administering Agency (Name and URL)	
Correspondent name and Institution, contact details (Person who fill in this questioner)	
Date of Submission	

Annex II – List of Contact persons and Correspondents

N.	Country	Correspondent/Contact : Name and Last Name	Institution	Email
1	Albania	Erion Fejzulla	Ministry of European Integration	erion.fejzulla@mie.gov.al
2	Albania	Odeta Zheku	UNDP-Albania	odeta.zheku@undp.org
3	Albania	Edmond Agolli	Ministry of Education and Science	eagolli@mash.gov.al
4	Bosnia and Herzegovina	Borislav Jaksic	B&H Focal Point for Climate Change - Ministry for physical planning, civil engineering and ecology of RS	bojaksa@inecco.net
5	Bosnia and Herzegovina	Selma Čengić	Hydro-Engineering Institute of Civil Engineering Faculty in Sarajevo	selma.cengic@heis.com.ba
6	Bosnia and Herzegovina	Djordje Vojinović	The Regional Environmental Centre for Central and Eastern Europe Country Office Bosnia and Herzegovina	djolev@blic.net
7	Croatia	Gordana Ruklić	Ministry of Environmental Protection, Physical Planning and Construction Head of international cooperation	gordana.ruklic@mzopu.hr
8	Croatia	Gordana Prutki - Pečnik	Ministry of Science, Education and Sport	gpecnik@mzos.hr
9	Montenegro	Snežana Dragojević	UNDP- Montenegro	snezana.dragojevic@undp.org
10	Montenegro	Biljana Đurović	Ministry of Environmental Protection- Focal Point Climate Change	biljanad@mn.yu
11	Former Yugoslav Republic of Macedonia	Bojan Rantaša	Forestry Institute	rante@gmx.net
12	Former Yugoslav Republic of Macedonia	Elizabeta Buova	Government of Macedonia, Head of EU Cooperation Unit	Elizabeta.Buova@sep.gov.mk

13	Serbia	Miljan Šuković	Government of Serbia	msukovic@merr.sr.gov.yu
14	Serbia	Suzana Vojinović	Department of International S&T Cooperation Ministry of Science and Technological Development	suzana.vojinovic@mnr.sr.gov.yu
15	Kosovo/UNMIK	Dukagjin Pupovci	Kosova Education Center (KEC); Executive Director	dpupovci@kec-ks.org
16	RCC	Miroslav Kukobat	RCC- Regional Cooperation Center, Sarajevo	miroslav.kukobat@rcc.int

2.3 Annex III – Table1: Summary of received Information – Western Balkans Countries

(available also at <http://www.global-issues-rtd.info/programmes/list>)

Country	Type of the Document / Geographic coverage	Title of the Document (English/ National Language)	Start Date- End Date (expected)	Research policy priorities targeted	Target group(s)	Research themes and disciplines of research targeted	Target fields	Over all budget	Founding Agency/ Administrating Agency	further information	Link (Global Issues Database)
Albania	Programme / Albania	UNDP-GEF CLIMATE CHANGE PROGRAMME/ PROGRAMME I NDRYSHIM EVE KLIAMTIKE	01/11/1998 - 01/11/2009	Other - The establishment of the Climate Change Unit/Programme is in line with the fulfilment of the Albania's commitment as a Party to the UNFCCC	Other - National related stakeholders; National/ International Consultant/Experts are hired as per UNDP rules/procedures to perform programme related task.	(i) GHG inventory; (ii) vulnerability and adaptation (iii) GHG mitigation and carbon financing.	Environment (including Climate Change)	421,807 USD	Global Environmental Agency - www.gefweb.org ; United National Development Programme - www.undp.org ; Austrian Development Agency Regional Environmental Centre - www.rec.org / UNDP Albania	Contact Person: Odeta Zheku; http://www.ccalb.org	http://www.global-issues-rtd.info/programmes/121.html

Croatia	Strategic and National Action Plan /Croatia	National Strategy for Implementation of the UNFCCC and the Kyoto Protocol in the Republic of Croatia, with an Action Plan / Nacionalna Strategija za provedbu UNFCCC i Kyotskog protokola u Republici Hrvatskoj s planom djelovanja	01/06/2008 - 31/12/2012	Applied industrial research, Human resources development , International research collaboration , Knowledge transfer (between researchers), Problem driven (basic) research	Business organisations ,Higher education institutions (education function), Higher education institutions research units/centres, New technology based firms/ new knowledge intensive service firms, Technology and innovation centres (non-profit)	Technological development and transfer of technologies for reducing greenhouse gas emissions; mitigation to impact of climate change; preparation of comprehensive research programme on adaptation to impact of climate change	Energy, Environment (including Climate Change), Food and Agriculture, Health	N/A	Found for environmental protection and energy efficiency - www.fzoeu.hr	Contact Person: Mr. SINISA OZIMEC, Senior Expert Advisor; Ministry of Environmental Protection, Physical Planning and Construction; sinisa.ozimec@mzopu.hr	http://www.global-issues-rtd.info/programmes/122.html
Bosnia and Herzegovina	National Action Plan/Bosnia and Herzegovina	National Environmental Action Plan (NEAP)/ Akcioni plan zaštite okoliša za Bosnu i Hercegovinu	01/03/2003	Basic research, International research collaboration , Knowledge transfer (between researchers), Networking	N/A	N/A	Energy, Environment (including Climate Change), Health		International Development Fund (IDF) grant from the World Bank for environmental capacity building	Contact Persons: Denis Zvizdić Co-Director, FBiH Federalno ministarstvo prostornog uređenja i okoliša E-mail: dzvizdic@bih.net.ba or Dragan Milojević Co-Director, RS NEAP BIH DIRECTORATE IURS, Banjaluka E-mail: milojcic@inecco.net	http://www.global-issues-rtd.info/programmes/138.html

Former Yugoslav Republic of Macedonia	National Strategy/ Former Yugoslav Republic of Macedonia	Strategy on Sustainable Development of Forestry/ Стратегија за одржлив развој на шумарството во Република Македонија	01/01/2007 - 31/12/2026	Applied industrial research, Human resources development, Problem driven (basic) research	Business organisations, Consultancies and other private service providers (for-profit), Higher education institutions (education function), Higher education institutions research units/centres, New technology based firms/ new knowledge intensive service firms, Other non-profit research organisations (not HED), Scientists/researchers (as individuals), SMEs only, Technology and innovation centres (non-profit)	The strategy aims at the forestry sector, but it also supports research done in context of forests and climate change.	Energy, Environment (including Climate Change), Food and Agriculture		Ministry of Agriculture, Forestry and Water Management www.mzsv.gov.mk	Contact Person: Mr. Vojo Gogovski, State Advisor on Forestry to the Minister of Agriculture, Forestry and Water Management at vojo.gogovski@mzsv.gov.mk ; http://www.mnfps-fao.org.mk	http://www.global-issues-rd.info/programmes/84.html
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Dissemination level: PU

Work Package Title

Monitoring and Analysis of S&T Cooperation

Nature of the Deliverable: Other

	National Strategy/ Former Yugoslav Republic of Macedonia	First national communication on climate change to the UNFCCC/ Прв национален извештај на Република Македонија кон Рамковната конвенција на ОН за климатски промени	01/04/2003 - 31/12/2008	N/A	Higher education institutions research units/centres, Scientists/researchers (as individuals)	N/A	Energy, Environment (including Climate Change), Food and Agriculture	N/A	Ministry of Environment and Physical Planning UNFCCC Focal point http://www.unfccc.org.mk	National Contact Person is M.Sc Teodora Obradovic Grncarovska State counsellor, Ministry of Environment and Physical Planning UNFCCC Focal point Office E-Mail: T.Grncarovska@moepp.gov.mk	
	National Strategy/ Former Yugoslav Republic of Macedonia	SECOND national communication on climate change to the UNFCCC	3/12/2008-2015	Applied industrial research, Basic research, International research collaboration, Networking, Pre-competitive research	Higher education institutions research units/centres, Scientists/researchers (as individuals)				Ministry of Environment and Physical Planning UNFCCC Focal point http://www.unfccc.org.mk	National Contact Person is M.Sc Teodora Obradovic Grncarovska State counsellor, Ministry of Environment and Physical Planning UNFCCC Focal point Office E-Mail: T.Grncarovska@moepp.gov.mk	http://www.global-issues-rtd.info/programmes/1427.html
Kosovo/ Unmik										Further Information: http://www.gov.me/eng/minurpizzs/	
Montenegro										Further Information: http://www.ks-gov.net/mmph/english/index_eng.htm	
Serbia	Programme/ Serbia	National Environmental Protection Programme/	01/01/2005 - 31/12/2009	Networking	Governmental institutions (also Research Institutions),	N/A	Environment (including Climate	N/A	Ministry of Environmental Protection and Spatial Planning,	Contact: Ms. Danijela Bozanic - Head of. Climate Change Unit Email: daniijela.bozanic@ekoserb.sr	http://www.global-issues-rtd.info/programmes/133.html

Dissemination level: PU

Work Package Title

Monitoring and Analysis of S&T Cooperation

Nature of the Deliverable: Other

		Nacionalni program zaštite životne sredine			municipalities, public utilities, other public or private companies/industries, NGOs		Change)		Republic of Serbia Ministry of Environment, Land and Sea of the Republic of Italy/ Ministry of Environmental Protection and Spatial Planning, Republic of Serbia	gov.yu	
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