



**SOUTH EAST
EUROPE**

Transnational Cooperation Programme



Jointly for our common future

1 Day 1 – 24.11.2009

Presentation of the working plan by the representative of the work package leader, Fulvio Celico from the University of Molise, Isernia, Italy.

Presentation of test areas and problems related to land use for each partner

2 Partner presentations

Presentation by Roland Koeck, LP, University of Applied Life Sciences, Institute of Silviculture: Succession and stability of the water protection forests under consideration of climate change - a specific land-use challenge

Remarks:

- Hydrotopes are areas with homogenous hydrological conditions. Their extent is about half a hectare to ten hectares.
- The hydrotope model is a land-use model and its use is free. Method: stratification of the water protection zone into operational units.
- The protection of biodiversity is taken into consideration, too, but the water protection function is not always compatible with a maximum biodiversity.

Presentation about Water Management and Forestry in Austria on national, regional and local level by Guenter Siegel, Ministry for Agriculture, Forestry, Environment and Water Management, Forestry Section, Vienna

Presentation about water quality of slovenian water bodies by Barbara Cencur Curk, University of Ljubljana

Presentation about water quality in Ljubljana Field by Branka Zeleznik, Public Water Utility

Remark:

- at the moment no masterplans are planned for regulating the land use effects where contaminants are located.

Presentation about land use in Molise region by Fulvio Celico, University of Molise, Isernia

Presentation about land uses in Oltenia plain by Petru Enciu, Romanian Academy

Short statement about this work package by Marios Vafeiadis

Presentation about xx by Ozren Hasan, Croatian Geological Survey

Presentation about land uses and water resources safety at the 3 test areas of IPA2 by Zeljka Rudic

Film about by IPA2 Brankica Majkic, Jaroslav Cerni Institute for Development of Water Resources

Presentation of proposed approach to arrive at land use changes induced by climate change by Fulvio Celico

Presentation of list of tasks for accomplishing WP5

Presentation by Zeljka Rudic about land use in the Serbian test areas if IPA2

3 Statements from the SAB for WP5

- the same (hydrologic) models should be used which were developed in WP4.
- WP4 and WP5 are closely interconnected, but the tasks are clearly defined: WP5 emphasises on water quality and transport of pollutants
- One output, the "impact and effect matrix" is renamed into "driver and impact matrix". It is a study about possible impacts for all partners. Effect ~ result, Impact ~ process).
- It is recommended to use DPSIR approach to link land use with water quantity and water quality.
- Split of "land use" and "land cover" could be separated, but such a separation is not relevant for the project, because despite various effects their impact is comparable.
- "risk base" (~final meeting) results should be checked concerning the driver and impact matrix

4 WP5 approaches

Possible common approaches and cross-interactions between partners (working groups):

- identify partners for each of the main topics:
 - livestock systems, pasture, agriculture versus microbiological contaminants: LP, **PP07**, 10%
 - agriculture versus nitrate & pesticides: PP04, PP05, PP06, PP08, 10%, **IPA2**
 - urban areas and industries versus organic and inorganic compounds, heavy metals: **PP04**, PP05, PP13
 - forest ecosystems with different level of tree species constitution, different levels of forest types (forest land will remain, but within great changes can occur) and the impact of this changing on water quality. chemical and microbiological contaminants: **LP**, PP01, PP02, PP06, PP11, PP12, PP14, 10%, **IPA2**

Group work will be initialised by Fulvio Celico.

Cross-interactions between WP4 and WP5:

- Maps will be produced, to produce water balance etc. in WP4. Maps of existing land uses will be given to WP4 till 15.05.2010.
- Estimated future water availability will be given to WP5 members in July 2010. Then the evaluation of climate-change induced land use changes will be done till 31.10.2010.
- Common database for WP4 and WP5: PP6 will organise establishment of the ftp server.

5 Main outputs of WP5

- The partners agree on the following outputs:
 - identify needs of each existing land use in each test area

- identify methods to experimentally analyse expected inputs of each land use on water quality
- identify simulation models that can be applied in those areas where existing land use will be not compatible with future climate scenarios

6 Final agreements

Simulation models can be applied in those cases, where existing land uses are not compatible.

Coordination of work on maps of existing land uses will be done by Fulvio Celico, who will do this per E-Mail and update the interactions regularly.

A WIKI page will be set up for WP4 and WP5 on www.ccwaters.eu in the internal area (secured by partner login, each partner has received login and keyword in September 2009). The WIKI page will be set up by the project manager.

The information about test areas should not be increased. Additional information should be included in the reports attached.






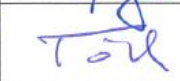



Databases and servers

- Upload of maps and files: the destination is not decided yet. The best destination would be the project website. This will be finally decided by the work package leader.
- Common databases: when work in WP3 is finished, the final version could be copied on the project website.





LIST OF PARTICIPANTS

name	institution	tel	email	signature
PETRA SOUVENT	EARS	+ 386 1 31 356 531	petra.souvent@gov.si	P. Souvent
Barbara Čencur	University of Ljubljana Faculty for Natural Sciences and Engineering	+386 41689562	barbara.cencur@ guet.arnes.si	BČ
BRANKA BRACIĆ ŽELEZNIK	PUBLIC WATER UTILITY JP VODOVOD-KANALIZACIJA d.o.o.	+386 51 326 265	bzeleznik@vo-kah	Branka B. Železnik
FASCHING-FRAUENFELD KARIN	City of Vienna	+43/01-4000 57804	karin.fasching- frauenfeld@wien.gv.at	Karin Fasching-Frauenfeld
ENCIU PETRU	Institute of Geography as part of Romanian Acad.	40 21-313 59 90	petru_enciu@ yahoo.com	Petru Enciu
GIRO NACCLERIO	UNIVERSITY OF MOLISE	+39 -0874 404 110	nacclerio@unimol.it	Gino Nacclerio
BARCZI AUILA	STENT ISTVAN UNIVER- SITY, HUNGARY	+36 20 980 8905	barczi.autila@ mkk.szie.hu	Atila Barczi
Philipp STANZEL	IWHW, BOKU, Vienna	+43 1 47654 5520	philipp.stanzel@boku.ac.at	Philipp Stanzel
Željka RUDIĆ	IPAZ, JAROSLAV CERNI INSTITUTE	+381 11 390 79 12	ZRUDIC@GMAIL.COM	Željka Rudić

LIST OF PARTICIPANTS

name	institution	tel	email	signature
OZREN HASAN	HRVATSKI GEOLOŠKI INSTITUT - CROATIAN GEOLOGICAL SURVEY	+385 1 6160746	ozren.hasan@hgi-cgs.hr	
ŠLOBODAN MIKO	- -	+385 1 6160745	slobodan.mika@hgi-cgs.hr	
JOSIP TERZIC	CROATIAN GEOLOGICAL SURVEY	+385 91 766 7304	terzic@hgi-cgs.hr	
GERHARD KUSCHWIG	City of Vienna Water works	+43 676 814831706	GERHARD.KUSCHWIG@ WIEN.GV.AT	
GÜNTER SIEGEL	BMLBFW	+43 1 71100 7125	guenter.siegel@ Lebensministerium.at	
György István Tóth	VKKI	+36-1-225-4473	toth.gyorgy@vkkc.hu	
Agnes Tóth	VKKI	+36-1-2254466	toth.agnes@vkkc.hu	
Spachos Tomas	E.Y.A.T.H.	+30 2310 514059	spachos@gmail.com	
Margaritis (Μάριος) Βασιλείας	Aristotle University of Thessaloniki	+30 2310 995685	vmarios@civil.auth.gr	

LIST OF PARTICIPANTS

name	institution	tel	email	signature
Michalopoulou Maria	A DEP. S.A.	+30 (2610) 361-747	maria.w13-111@hotmail.com konstada@patras.gr	
Fulvio Cecco	UNIVERSITY OF TORINO	+39 333 6319019	alic@uniin.it	
CERNEVA STEHLIK	PRISMA solutions	+4366488543718	lornevia.stehlik@ prima-solution.at	
BRANKICA MAJKIĆ	JAROSLAV CERNI INSTITUTE	+381 11 390-8005	brankica.majuc@ jcerni.co.rs	Brankica Majkić
DUŠAN ĐURIĆ	JAROSLAV CERNI INSTITUTE	+381 11 3906478	DUSAN.DJURIC@ jcerni.co.rs	
Zoran Stevanović	FMG, UNIVERSITY Belgrade	+381-638864137	Zstev@ eu.net.rs	