

# WORK PROGRAMME

## **21.03.2007 (Wednesday)**

Arrival day  
Registration  
20.00 - Welcome party

## **22.03.2007 (Thursday)**

8.00 – 9.00 – Breakfast  
Mountain visit – options  
1. Visit to BEO Moussala  
2. Walk to Maliovitza Hut  
14.00 – Lunch  
19.30 – Gala dinner (Restorant Maliovitza)

## **23.03.2007 (Friday)**

9.00 – 9.15	Opening ceremony
9.15 – 9.45	BEOBAL after two years <i>J.Stamenov</i>
9.45 – 10.15	Climate related monitoring and research at Hohenpeissenberg- selected results and future <i>W.Fricke</i>
10.15 – 10.45	High Mountain Observatories for monitoring gases and aerosol properties in Himalaya and Apennine regions <i>P.Bonasoni</i>
10.45– 11.00	Coffee break (Film)
	<b>Chairperson Ass.Prof.Dr. Ilia Penev</b>
11.00 – 11.15	Recent gamma background measurements at BEO Moussala with active detectors <i>A.Mishev,I.Kalapov,J.Stamenov</i>
11.15 – 11.30	Atmosphere monitoring at BEO Moussala <i>P.Ivanov</i>
11.30 – 11.45	Some Preliminary Results from BEO Moussala Automatic Weather Station: 2004-2007 <i>I.Kalapov, S.Mavrodiev, B.Vachev</i>

11.45 – 12.00	Environmental effects on neutron monitor measurements at high altitude as observed at Jungfraujoch <i>Rolf Bütikofer</i>
12.00 – 12.15	Contribution of the Nuclear Physic Institute of the ASCR to the BEOBAL Project 2004-2006 <i>F.Spurny,M.Gelev</i>
12.30 – 13.30	Lunch
	<b>Chairperson Prof.Karel Kudela</b>
14.00 – 14.15	Galactic cosmic rays - clouds effect and bifurcation model of global climate of the Earth <i>V.Rusov</i>
14.15 – 14.30	Statistical processing of Cherenkov Cosmic Ray <i>V.Pavlovich</i>
14.30 – 14.45	Cosmic ray measurement at Lomnický Štit <i>K.Kudela</i>
14.45 – 15.00	Effect of Galactic and Solar Cosmic Rays on Ozone and other Minor Constituents in the Atmosphere <i>P.Velinov,Y.Tassev</i>
15.00 – 15.15	Development of Neutron Flux Meter at Basic Environmental Observatory <i>A.Mishev</i>
15.30 – 16.00	Coffee break (Slides show)
	<b>Chairperson Prof. Sule Aytas</b>
16.00 – 16.15	The center of forestry Weißenstephan – structure, resources and possibilities for international joint research activities <i>G.Enders</i>
16.15 – 16.30	A dependence of ozone concentration on atmosphere transport at peak Moussala <i>P.Nojarov</i>
16,30 – 16.45	Land system units in Moussala cirque and their relation to present geomorphic processes <i>E.Gachev</i>
16.45 – 17.00	Observation of Terrestrial Processes in Model High mountain Geosystems around the peaks Moussala (Rila mountain) and Vihren (Pirin mountain) <i>P.Stefanov, E.Gachev, P.Nojarov</i>

17.00 – 17.15	Methodical Example of Estimation of CO <sub>2</sub> Regional Production Responsibility (Using in Situ Atmosphere Concentration Measurements) <i>S.Mavrodiev, L.Pekevski, B.Vachev</i>
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## 24.03.2007 (Saturday)

	<b>Chairperson Prof. W.Fricke</b>
9.00 – 9.15	French-Serbian Summer University for South-East Europe about environment <i>S.Jokic</i>
9.15 – 9.30	Science Communications in BEOBAL <i>A.Zanini, B.Vachev</i>
9.30 – 9.45	Using GIS of Samokov soil resources soils for agriculture production management. Case study <i>B.Kolev</i>
9.45 – 10.00	Regional research cluster <i>B.Vachev</i>
10.00 – 10.15	Information and communication system at BEO Moussala <i>A.Nishev</i>
10.15 – 10.45	<b>Coffee break</b>
	<b>Chairperson Prof. Stevan Jokich</b>
10.45 – 11.00	Monitoring of aerosol radioactivity <i>I.Penev</i>
11.00 – 11.15	Monitoring of some trace elements in the air aerosols and environmental samples from peak Moussala area <i>A.Damianova</i>
11.15 – 11.30	Determination of Radioactivity in Surface waters and Lake Waters (Short communications) <i>Sule Aytas</i>
11.30 – 11.45	Trace elements quantities in plants from alpine meadows. Comparison between plants from areas with similar characteristics in Rila (Bulgaria) and Alps (Italy) <i>N. Uzunov</i>
11.45- 12.00	New results from long-term monitoring of Moussala peak region <i>E.Nikolova</i>

12.00 – 12.15	New devices for radiation measurements <i>M.Gelev, .Spurny,A.Mishev</i>
12.15 – 12.30	Investigation of structure variations of the waters from Rila rivers via the method of the water energy spectrum <i>A.Antonov</i>
12.30 – 12.45	The Kiev Intermagnet data Preliminary Results in the Framework of INRNE Geomagnetic and Earthquake Monitoring <i>V.Bakhmutov, S.Mavrodiev,T.Mozgovaya</i>
12.45 – 14.00	<b>Lunch</b>
14.00 – 16.00	Closing session and discussions

## 25.03.2007 (Sunday)

8.00 – 9.00 –Breakfast  
Departure day