

# **EUROPLANET workshop "Integrations of satellite and ground-based observations and multi-disciplinarity in research and prediction of different types of hazards in Solar system"**

**Petnica Research Center, Valjevo, Serbia**

**10-13 May 2019**

## **REPORT**

The EUROPLANET workshop "Integrations of satellite and ground-based observations and multi-disciplinarity in research and prediction of different types of hazards in Solar system" was held in the Petnica Research Center, Valjevo, Serbia on 10-13 May 2019. This meeting was related to: Hazards on the Earth (atmospheric disturbances, earthquakes, landslides, telecommunication, damage satellites...), and Hazards on planets caused by different types of radiation, small bodies etc.

### **ORGANIZERS:**

Europlanet 2020 RI NA1 – Innovation through Science Networking and Geographical Institute "Jovan Cvijic" of Serbian Academy of Sciences and Arts

### **MEETING WEBSITE**

<http://www.gi.sanu.ac.rs/site/index.php/en/activities/conferences-organisation/998-hazards-sos>

### **PARTICIPANTS**

Participants were from 8 European countries: Bulgaria, Croatia, Greece, Hungary, Italy, Russia, Ukraine and Serbia. Their research fields relate to different theoretical and observation areas as well as to data sciences. In addition, two participants were from industry.

### **Statistics of the participants:**

Total number of participants: 33

Number of participants of Inclusiveness states: 28

Number of female participants: 8

Number of male participants: 25

Number of early career scientists: 11

Participants from Industry: 2

Amateur Participants: 1

Participants from outside Europe: 0

## **SCIENTIFIC COMMITTEE**

Scientific committee consisted of 16 members from 9 countries:

co-chairs: Aleksandra Nina (Serbia), Milan Radovanović (Serbia) and Giovanni Nico (Italy)

members: Pier Francesco Biagi (Italy), Mihai Datcu (Germany), Melinda Dósa (Hungary), Darko Jevremović (Serbia), Ognyan Kounchev (Bulgaria), Konstantinos Kourtidis (Greece), Slavica Malinović-Milićević (Serbia), Bratislav Marinković (Serbia), Luka Č. Popović (Serbia), Sergey Pulinets (Russia), Vladimir Srećković (Serbia), Dejan Vinković (Croatia) and Yaroslav Vyklyuk (Ukraine).

## **LOCAL ORGANIZING COMMITTEE**

LOC consisted of 7 members from Serbia:

co-chairs: Aleksandra Nina and Milan Radovanović

members: Gorica Stanojević, Vladimir Čadež, Dejan Doljak, Vladimir Srećković and Dragoljub Štrbac.

## **SCIENTIFIC PROGRAMME**

The scientific programme consisted of oral presentations, poster section and two discussions. It was 18 talks (12 Invited talks and 6 Progress reports) and 8 posters. Discussions related to integration of observation methods and models in research of earthquakes and volcanoes (the first discussion) and of hurricanes, meteors and climatic change (the second discussion). Also, in the order to better connection of people we have organized a Networking event on the last evening.

## **SOCIAL EVENTS**

In addition to scientific activities, we have organized a welcome cocktail and meeting dinner. Also, guided tour of Petnica's vicinity and the lake has been organized on Sunday.

## **PUBLICATIONS**

We have published the Book of Abstract. It is printed and available on line at the meeting website.

In addition we invite participants to send proceedings. The selected papers will be published in the Journal of the Geographical Institute "Jovan Cvijic" SASA which is indexed and abstracted in Emerging Sources Citation Index (ESCI) - Web of Science (Clarivate Analytics, formerly Thomson Reuters IP & Science branch) and Scopus. The deadline for proceeding submission is 1 October 2019.

## PHOTOS



Meeting photo



## LIST OF PARTICIPANTS

**Pier Francesco Biagi,**

Department of Physics, University of Bari, Bari,  
Italy  
[pf.biagi@gmail.com](mailto:pf.biagi@gmail.com)

**Duško Borka,**

Vinča Institute of Nuclear Sciences, University of  
Belgrade, Belgrade, Serbia  
[dusborka@vin.bg.ac.rs](mailto:dusborka@vin.bg.ac.rs)

**Vesna Borka Jovanović,**

Vinča Institute of Nuclear Sciences, University of  
Belgrade, Belgrade, Serbia  
[vborka@vinca.rs](mailto:vborka@vinca.rs)

**Vladimir Čadež,**

Astronomical Observatory, Belgrade, Serbia  
[vcadez@aob.rs](mailto:vcadez@aob.rs)

**Milan Dimitrijević,**

Astronomical Observatory, Belgrade, Serbia  
[mdimitrijevic@aob.rs](mailto:mdimitrijevic@aob.rs)

**Dejan Doljak,**

Geographical Institute “Jovan Cvijić” SASA,  
Belgrade, Serbia  
[d.doljak@gi.sanu.ac.rs](mailto:d.doljak@gi.sanu.ac.rs)

**Darko Jevremović,**

Astronomical Observatory, Belgrade, Serbia  
[darko@aob.rs](mailto:darko@aob.rs)

**Predrag Jovanović,**

Astronomical Observatory, Belgrade, Serbia  
[pjovanovic@aob.rs](mailto:pjovanovic@aob.rs)

**Aleksandra Kolarski,**

NTC NIS-Naftagas D.O.O. Novi Sad, Novi Sad,  
Serbia  
[aleksandrakolarski@gmail.com](mailto:aleksandrakolarski@gmail.com)

**Ognyan Kounchev,**

Institute of mathematics and informatics, Bulgarian  
Academy of Sciences, Sofia, Bulgaria  
[okounchev@gmail.com](mailto:okounchev@gmail.com)

**Konstantinos Kourtidis,**

Department of Environmental Engineering,  
School of Engineering, Democritus University of  
Thrace, Xanthi, Greece  
[kourtidi@env.duth.gr](mailto:kourtidi@env.duth.gr)

**Andjelka Kovačević,**

Department of Astronomy, Faculty of  
Mathematics, University of Belgrade, Belgrade,  
Serbia  
[andjelka@matf.bg.ac.rs](mailto:andjelka@matf.bg.ac.rs)

**Slavica Malinović-Milićević,**

ACIMSI - University Center for Meteorology and  
Environmental Modelling, University of Novi  
Sad, Novi Sad, Serbia  
[slawica@sbb.rs](mailto:slawica@sbb.rs)

**Dušan Marčeta,**

Department of Astronomy, Faculty of  
Mathematics, University of Belgrade, Belgrade,  
Serbia  
[dmarceta@matf.bg.ac.rs](mailto:dmarceta@matf.bg.ac.rs)

**Bratislav Marinković,**

Institute of Physics Belgrade, University of  
Belgrade, Belgrade, Serbia  
[marinkov@ipb.ac.rs](mailto:marinkov@ipb.ac.rs)

**Zoran Mijić,**

Institute of Physics Belgrade, University of  
Belgrade, Belgrade, Serbia  
[zoran.mijic@ipb.ac.rs](mailto:zoran.mijic@ipb.ac.rs)

**Giovanni Nico,**

Istituto per le applicazioni del calcolo (IAC),  
Consiglio nazionale delle ricerche (CNR), Bari,  
Italy  
[g.nico@ba.iac.cnr.it](mailto:g.nico@ba.iac.cnr.it)

**Aleksandra Nina,**

Institute of Physics Belgrade, University of  
Belgrade, Belgrade, Serbia  
[sandrast@ipb.ac.rs](mailto:sandrast@ipb.ac.rs)

**Jelena Petrović,**  
Vinča Institute of Nuclear Sciences, University of  
Belgrade, Serbia  
[petrovicj@vin.bg.ac.rs](mailto:petrovicj@vin.bg.ac.rs)

**Luka Popović,**  
Astronomical Observatory, Belgrade, Serbia  
[ipopovic@aob.rs](mailto:ipopovic@aob.rs)

**Sergey Pulinets,**  
Space Research Institute (IKI), Russian Academy  
of Sciences, Moscow, Russia  
[pulse1549@gmail.com](mailto:pulse1549@gmail.com)

**Milan Radovanović,**  
Geographical Institute “Jovan Cvijić” SASA,  
Belgrade, Serbia  
[m.radovanovic@gi.sanu.ac.rs](mailto:m.radovanovic@gi.sanu.ac.rs)

**Georgi Simeonov,**  
Institute of Mathematics and Informatics at the  
Bulgarian Academy of Sciences, Sofia, Bulgaria  
[gsimeonov@math.bas.bg](mailto:gsimeonov@math.bas.bg)

**Bozhidar Srebrov,**  
Institute of mathematics and informatics, Bulgarian  
Academy of Sciences, Sofia, Bulgaria  
[bsrebrov.nigggg@gmail.com](mailto:bsrebrov.nigggg@gmail.com)

**Vladimir Srećković,**  
Institute of Physics Belgrade, University of  
Belgrade, Belgrade, Serbia  
[vlada@ipb.ac.rs](mailto:vlada@ipb.ac.rs)

**Gorica Stanojević,**  
Geographical Institute “Jovan Cvijić” SASA,  
Belgrade, Serbia  
[g.stanojevic@gi.sanu.ac.rs](mailto:g.stanojevic@gi.sanu.ac.rs)

**Dragoljub Štrbac,**  
Geographical Institute “Jovan Cvijić” SASA,  
Belgrade, Serbia  
[d.strbac@gi.sanu.ac.rs](mailto:d.strbac@gi.sanu.ac.rs)

**Nataša Todorović,**  
Astronomical Observatory, Belgrade, Serbia  
[ntodorovic@aob.rs](mailto:ntodorovic@aob.rs)

**Aleksandar Valjarević,**  
University of Priština-Kosovska Mitrovica,  
Faculty of Sciences, Department of Geography,  
Kosovska Mitrovica, Serbia  
[aleksandar.valjarevic@pr.ac.rs](mailto:aleksandar.valjarevic@pr.ac.rs)

**Nikola Veselinović,**  
Institute of Physics Belgrade, University of  
Belgrade, Belgrade, Serbia  
[veselinovic@ipb.ac.rs](mailto:veselinovic@ipb.ac.rs)

**Dejan Vinković,**  
Hipersfera Ltd., Zagreb, Croatia  
[dejan@iszd.hr](mailto:dejan@iszd.hr)

**Pál Gábor Vizi**  
MTA Wigner Research Centre for Physics,  
Budapest, Hungary  
[vizi.pal.gabor@wigner.mta.hu](mailto:vizi.pal.gabor@wigner.mta.hu)

**Veljko Vujčić,**  
Astronomical Observatory, Belgrade, Serbia  
[sambolino@gmail.com](mailto:sambolino@gmail.com)

**Yaroslav Vykyuk,** PHEI “Bukovinian  
University”, Chernivtsi, Ukraine  
[vykyuk@ukr.net](mailto:vykyuk@ukr.net)