



NATIONAL COMMITTEE OF SERBIA
FOR THE INTERNATIONAL HYDROLOGICAL
PROGRAMME OF UNESCO



REPUBLIC HYDROMETEOROLOGICAL
SERVICE OF SERBIA



INSTITUTE FOR THE DEVELOPMENT
OF WATER RESOURCES
"JAROSLAV ČERNI"

XXIII CONFERENCE OF THE DANUBIAN COUNTRIES ON THE HYDROLOGICAL FORECASTING AND HYDROLOGICAL BASES OF WATER MANAGEMENT

28 - 31 AUGUST 2006
BELGRADE - REPUBLIC OF SERBIA

PROGRAMME



INTERNATIONAL HYDROLOGICAL
PROGRAMME OF UNESCO



WORLD METEOROLOGICAL
ORGANIZATION



INTERNATIONAL ASSOCIATION OF
HYDROLOGICAL SCIENCES



UNITED NATIONS UNIVERSITY
INSTITUTE FOR ENVIRONMENT
AND HUMAN SECURITY, BONN

MINISTRY OF SCIENCE AND
ENVIRONMENTAL PROTECTION
OF THE REPUBLIC OF SERBIA

MINISTRY OF AGRICULTURE,
FORESTRY AND WATER MANAGEMENT
OF THE REPUBLIC OF SERBIA

MINISTRY OF CAPITAL INVESTMENT
OF THE REPUBLIC OF SERBIA



SRBIJAVODE



HE DJERDAP



VODE VOJVODINE



23rd CONFERENCE OF THE DANUBE COUNTRIES ON THE HYDROLOGICAL FORECASTING AND HYDROLOGICAL BASES OF
WATER MANAGEMENT
28- 31. August 2006 Belgrade – Republic of Serbia

XXIIInd CONFERENCE OF THE DANUBIAN COUNTRIES ON THE HYDROLOGICAL FORECASTING AND HYDROLOGICAL BASES OF WATER MANAGEMENT

**28 - 31 August 2006
Belgrade - Republic of Serbia**

Organised by:

**National Committee of Serbia
for the International Hydrological Programme of UNESCO**

in co-operation with

**Republic Hydrometeorological Service of Serbia
Institute for the Development of Water Resources
"Jaroslav Černi"**

Under the auspices of

**Ministry of Science and Environmental Protection of the Republic of Serbia
Ministry of Agriculture, Forestry and Water Management of the Republic of Serbia,
Directorate of Water
Ministry of Capital Investment of Republic Serbia**

and

**Public Water Authority "Srbijavode"
Public Water Management Company (PWMC) "Vode Vojvodine"
Navigation and Hydropower System "DJerdap"**

Jointly with:

**International Hydrological Programme of UNESCO
World Meteorological Organization
International Association of Hydrological Sciences
United Nations University
Institute for Environment and Human Security, Bonn**

Conference venue

Sava Congress Centre



International Scientific Committee

R. F. Schmidtke -Bayerisches Landesamt für Wasserwirtschaft, Munich,
D. Gutknecht - Institut für Hydraulik, Vienna, Austria
J. Kubat - Czech Hydrometeorological Institute, Prague, Czech Republic
J. Szolgay - Faculty of Civil Engineering, Bratislava, Slovak Republic
M. Domokos - VITUKI, Budapest, Hungary.
M. Brilly - University of Ljubljana, Ljubljana, Slovenia
O. Bonnacci - Split University, Split, Croatia
S. Prohaska - Institute «Jaroslav Cerni» Belgrade
M. Miloradov - President of NC IHP, Belgrade, Republic of Serbia

S. Bruk – Emeritus University Professor, Republic of Serbia
P. Stanciu - National Institute of Meteorology and Hydrology, Bucharest,
K. Tzankov - Institute of Meteorology and Hydrology, Sofia, Bulgaria
O. Lukyanetz - State Hydrometeorological Institute, Kiev, Ukraina
P. Pypaert - UVO-ROSTE
J. Bogardi-Institute for Environment and Human Security, Bonn
I. Liška - ICPDR
A. de Roo - Institute for Environment and Sustainability, Ispra, Italy.

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Stevan Prohaska - Institute «Jaroslav Cerni» Belgrade
Vojislav Vukmirović- Faculty of Civil Engineering, University of Belgrade
Marina Babić-Mladenović - Institute «Jaroslav Cerni» Belgrade
Mihailo Andjelic – Consultant (former FAO expert)

Miodrag Spasojević - Faculty of Civil Engineering, University of Novi Sad
Borislava Blagojević - Faculty of Civil Engineering and Architecture, Niš
Jasna Plavšić – Faculty of Civil Engineering, University of Belgrade
Vesna Ristić - Faculty of Mining and Geology, University of Belgrade
Stevan Bruk – Emeritus University Professor, Belgrade

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Mičo Škorić – Agriculture Faculty N. Sad
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Vladimir Taušanović – Belgrade Water Work and Sewerage Company

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Stevan Prohaska - Institute «Jaroslav Cerni» Belgrade
Tioslav Petković – Republic Hydromet. Service of Serbia
Zoran Radić - Faculty of Civil Engineering Belgrade
Slobodan Milenković - Faculty of Civil Engineering and Architecture, Niš
Mihailo Andjelic - Consultant (former FAO expert)
Vojislav Vukmirović - Faculty of Civil Engineering Belgrade
Ratomir Živaljević - Faculty of Civil Engineering Podgorica
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Dragan Janković – Republic Hydromet. Service of Serbia, Belgrade
Arpad Varga - Public Water Man. Comp. «Srbijavode» Belgrade
Srdan Kolaković - Faculty for Technical Sciences N. Sad

Executive Committee

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Mira Dedić–Public Water Man.Comp.«Vode Vojvodine» N.Sad
Dragana Ninković - Institute «Jaroslav Cerni», Beograd

Zoran Simić - Institute «Jaroslav Cerni», Beograd
Miomir Arsić - Institute «Jaroslav Cerni», Beograd
Nena Kovačević-Republic Hydromet. Service of Serbia,
Branislava Kapor - Republic Hydromet. Service of Serbia
Milica Jeremić - Republic Hydromet. Service of Serbia



PROGRAMME

Sunday 27.08.2006

09⁰⁰ – 17⁰⁰

XX Meeting of the IHP NC's representatives "Sava Center"

16⁰⁰ – 19⁰⁰

Participants registration "Sava Center"

Monday 28.8.2006

08⁰⁰ – 10⁰⁰

Participants registration (continuation)

10⁰⁰ – 12³⁰

Opening ceremony

OPENING CEREMONY

REGIONAL HYDROLOGICAL CO-OPERATION OF THE DANUBE COUNTRIES IN
THE FRAME OF THE INTERNATIONAL HYDROLOGICAL PROGRAMME OF
UNESCO

Stancik Andrey, Prohaska Stevan

**20 – YEARS OF EDITING THE HYDROLOGICAL MONOGRAPH „THE DANUBE
RIVER AND ITS BASIN“**

Domokos Miklos

**THE CO-OPERATION OF THE HYDROLOGISTS OF THE COUNTRIES SHARING
THE DANUBE CATCHMENT, CO-ORDINATED FROM HUNGARY DURING THE
PERIOD 2003-2005**

Schiller Heinz

**THE CULTURE AND THE DEVELOPMENT OF THE DANUBE AREA AND
EASTERN EUROPE IN PREHISTORIC TIMES - FROM THE BLACK SEA
DELUGE UNTIL THE END OF COPPER AGE**

12³⁰ – 14⁰⁰

Lunch break

14⁰⁰ – 16⁰⁰

Topic 1 **HYDROLOGICAL FORECASTING**

Convenors: **Schmidtke Reinhard, Dakova Snezana**

1. Bonta Imre
**USE ENSEMBLE PRECIPITATION FORECASTS FOR HYDROLOGICAL
PURPOSES**
2. Boyko Victoria, Boyko Oleksiy, Platonova N.
**FLOODS FORECASTING IN TRANSCARPATHIANS REGION WITH USE OF
RAINFALL-RUNOFF MODELS**
3. Brezkova Lucie, Soukalova Eva
**OPERATIVE HYDROLOGICAL FORECAST IN WINTER SEASON – FLOODS
CAUSED BY SNOW MELTING**
4. Leskova Danica, Babiakova Gabriela, Wendlová Valeria, Holla Michaela
**REAL-TIME HYDROLOGICAL INFORMATION SYSTEM IN SLOVAKIA –
PRESENT DAY AND FUTURE IMPROVING**
5. Ramos Maria-Helena, Bartholmes Jens, Thielen Jutta, Kalas Milan, AD de Roo
**THE ADDITIONAL VALUE OF ENSEMBLE WEATHER FORECASTS TO FLOOD
FORECASTING: FIRST RESULTS ON EFAS FORECASTS FOR THE DANUBE
RIVER BASIN**



6. Ruch Christophe, Jorgensen Gregers, Polajnar Janez, Susnik Mojca, Hornich Rudolf, Schatzl Robert, Pogacnik Nejc
TRANS - BOUNDARY FORECASTING SYSTEM ON MUR RIVER
7. Spolwind Robert, Hebenstreit Klaus, Froschl Felix, Bachhiesl Martin, Precht Johann
THE RUNOFF FORECAST SYSTEM OF VERBUND OPERATIONAL FORECASTING IN HYDROPOWER INDUSTRY
8. Szolgay Jan, Danacova Michaela
ESTIMATION OF FLOOD PEAK TRAVEL-TIME ON THE MORAVA RIVER
9. Teodorescu Nicolae Iulian
THE HIGH FLOOD OF THE MONTH OF APRIL 2005 IN THE HYDROGRAPHIC BASINS OF THE RIVERS TIMIS AND BEGA

16⁰⁰ – 16³⁰
16³⁰ – 18⁰⁰

Coffee break

Topic 2 **METEOROLOGICAL INPUTS FOR
HYDROLOGICAL FORECAST**

Convenors: **Bonacci Ognjen, Josef Hladny**

10. Dakova Snejana
WATER RESOURCES IN THE CONTEXT OF CLIMATE AND HUMAN ACTIVITIES
11. Davies Evan, Simonovic Slobodan
THE IMPORTANCE OF SOCIAL-ECONOMIC-CLIMATIC FEEDBACKS FOR WATER RESOURCES MANAGEMENT
12. Kobold Mira, Sušelj Kay, Sušnik Mojca, Zgonc Anton
UNCERTAINTY OF PRECIPITATION MEASUREMENTS AND PREDICTIONS AS AN INPUT TO FLASH FLOOD MODELLING
13. Neytchev Plamen, Zucchini Walter, Hristov Hristo, Neykov Neyko
DEVELOPMENT OF A MULTI-SITE DAILY PRECIPITATION MODEL FOR BULGARIA USING HIDDEN MARKOV MODELS
14. Roman Petru Ioan, Ştremg Octavian
USING GIS TECHNIQUES AND RAINFALL WSR-98D RADAR ESTIMATIONS FROM FAST PRECIPITATIONS MONITORING IN SMALL CATCHMENTS
15. Saltikoff Elena
POLARIMETRIC WEATHER RADAR OPPORTUNITIES FOR HYDROLOGICAL APPLICATIONS
16. Schmidtke Reinhard
CLIMATE-CAUSED CHANGES IN VULNERABILITY TO FLOODS
17. Todorović Nedeljko, Vujovic Dragana
REPETITIVENESS OF COLD WINTERS AND ICE COVER ON THE DANUBE IN BELGRADE REGION AND SOLAR ACTIVITY

19³⁰

Coctail



Tuesday 29.08.2006

8³⁰ – 10³⁰

Topic 3 HYDROLOGICAL PROCESSES

Convenors: **Szolgay Jan, Prohaska Stevan**

18. Anghel Elena, Frimescu Lavinia
THE HISTORICAL FLOODS THAT AFFECTED ROMANIA IN 2005
19. Brilly Mitja, Stravs Lidija, Vidmar Andrej
**ESTIMATING TIME OF FLOOD WAVE PROPAGATION AND STAGE -
DISCHARGE CURVE FITTING BY DOPPLER VELOCITY METER**
20. Dimkić Milan., Pušić Milenko
**DISPERSION MODEL IN ANALYSIS OF TRANSPORT THROUGH STRATIFIED
MEDIA**
21. Drobot Radu, Stanescu Viorel, Amaftiesei Romeo, Cheveresan Bogdan
**RISK MAPPING IN PUTNA RIVER BASIN (ROMANIA) A CASE STUDY FOR
FLOOD CONTROL**
22. Ilich Nesa, Despotovic Jovan
**USE OF RECENT ADVANCES IN STATISTICAL SCIENCE FOR MULTISITE
GENERATION OF STOCHASTIC HYDROLOGIC TIME SERIES**
23. Kovács Péter
**CHARACTERIZATION OF THE RUNOFF REGIME AND ITS STABILITY IN THE
DANUBE CATCHMENT**
24. Magulová Renáta, Mrafková Lea
**HUMAN INFLUENCES ON THE HYDROMORPHOLOGICAL PARAMETERS IN
THE SLOVAK PART OF DANUBE CATCHMENT**
25. Nagy Zsuzsanna, Dannisoe Jesper
**APPLICATION OF MIKE MODELS FOR HYDROMORPHOLOGICAL
ASSESSMENT IN HUNGARY**
26. Nikić Zoran, Nikolić Jugoslav
**REGIONAL ANALYSIS OF LOW FLOWS IN HILLY AND MOUNTAINOUS AREAS
OF THE REPUBLIC OF SERBIA**

10³⁰ – 11⁰⁰

Coffee break

11⁰⁰ – 12³⁰

Topic 3 HYDROLOGICAL PROCESSES

Convenors: **Miklanek Pavol, Balint Gabor**

27. Ninov Plamen, Ribarova Irina, Nikolaidis Nikos, Tsoraki Rania, Kalinkov Peter, Kukurin Krasimir, Topalova Jana
**HYDROLOGICAL CALIBRATION SCENARIOS OF THE HSPF MODEL FOR THE
UPPER ISKAR BASIN**
28. Prodanovic Predrag, Simonovic Slobodan
**SYSTEMS APPROACH TO THE ASSESSMENT OF CLIMATIC CHANGE IN A
SMALL RIVER BASIN**
29. Sperac Marija
A NEURAL NETWORKS IN INTEGRATED WATER MANAGEMENT
30. Tanase Elena, Bretotean Mihai
**THE ASSESSMENT OF THE SPATIAL VARIABILITY OF THE PHREATIC
LEVELS BY A COMFORT INDEX AND THE EOF METHOD (EMPIRICAL**



ORTHOGONAL FUNCTIONS), A CASE STUDY FOR THE NW PART OF ROMANIA

31. Vogelbacher Alfons, Daamen Karlheinz, Holle Franz-Klemens, Meyer Inke, Roser Stefan
HYDROLOGICAL ASPECTS OF THE FLOOD IN AUGUST 2005 IN THE BAVARIAN DANUBE CATCHMENT
32. Wachter Karl
FLOODS AND CLIMATE CHANGE, STUDY ABOUT 1000 YEARS OF DANUBE FLOODS IN AUSTRIA
33. Wachter Karl, Kalas Milan, Szabo Janos, de Roo Ad
LISFLOOD MODELLING IN THE DANUBE BASIN

12³⁰ – 14⁰⁰

Lunch break

14⁰⁰ – 16⁰⁰

**Topic 4 EROSION, SEDIMENT
TRANSPORT AND SEDIMENTATION**

Convenors: Adler Mary-Jeanne, Summer Wolfgang

34. Babić Mladenović Marina, Knezević Zoran, Tutulić Marija .
ASSESSMENT OF SUSPENDED SEDIMENT TRANSPORT IN THE DANUBE RIVER
35. Kanivets Volodymyr
THE ROLE OF THE SUSPENDED SEDIMENTS IN TRANSPORTATION OF 137Cs BY THE DANUBE RIVER
36. Kostadinov Stanimir
MONITORING SEDIMENT TRANSPORT REGIME IN THE TORRENTS OF SERBIA
37. Mikhailova M.V., Cheroy A.I., Mikhailov V.N.
DYNAMICS OF THE DELTA COASTLINE AS AN INDICATOR OF THE EVOLUTION OF THE CHILIA DELTA AT THE DANUBE MOUTH
38. Prohaska Sandra, Westrich Bernhard
ONE-DIMENSIONAL MULTI-STRIP TRANSPORT MODEL FOR LONG DISTANCE SEDIMENT TRANSPORT IN NAVIGATION CHANNELS, CASE STUDY THE RIVER ELBE
39. Rakoczi Laszlo
FIELD INVESTIGATION OF GRAVEL RIVERBEDS BY FREEZE-PANEL SAMPLER
40. Summer Wolfgang, Schindl Georg, Studnicka Markus, Eckelhart Alexandra
HYDROLOGICAL AND INSTRUMENTED ASPECTS ON MONITORING AND ANALYSING SUSPENDED SEDIMENT CROSSING INTERNATIONAL BORDERS
41. Teodor Sorin, Radulescu Carmen, Ciuca Radu
THE DYNAMICS OF SEDIMENT DISCHARGE IN THE ROMANIAN SECTOR OF THE DANUBE RIVER
42. Ulaga Florjana
MONITORING OF SEDIMENT TRANSPORT IN SLOVENIAN RIVERS

16⁰⁰ – 16³⁰

Coffee break

Convenors: Miloradov Milorad, Domokos Miklos

16³⁰ – 17³⁰

**PRESENTATION OF FIRMS AND
INFORMATIONS ABOUT NEW PROJECTS
POSTER SESSION**

17³⁰ – 19⁰⁰

20⁰⁰

Dinner



Wednesday 30.08.2006

7⁰⁰ – 21⁰⁰

Fieldtrip to the HE " DJERDAP"

Thursday 31. 08. 2006

8³⁰ – 10³⁰

**Topic 5 WATER QUALITY AND ECO-
HYDROLOGICAL PROCESSES**

Convenors: **Nachtnebel Hans Peter, Kanivets Volodymyr**

43. Cadjo Snezana, Miletic Aleksandar, Bugarski Radojka
**RECENT PHYTOPLANKTON CONTENTS AND WATER QUALITY OF BAJA-
BEZDAN CHANNEL ON THE BORDER LOCALITY OF BACKI BREG**
44. Cosic-Flajsig Gorana, Petricec Mladen
**METHODOLOGY OF MONITORING DEVELOPMENT AS PART OF WATER
QUALITY MANAGEMENT**
45. Cristescu Diana, Cristescu Stefan, Mihailescu Irina
**REHABILITATION OF THE WATERCOURSES IN THE ECONOMICALLY
DEPRESSED AREAS – ECONOMIC AND ENVIRONMENTAL ISSUES – THE
WATER SUPPLY SYSTEM OF THE TOWN ANINA**
46. Gergov Georgi, Orehova Tatiana
**ECOLOGICAL ASPECTS OF HUMAN IMPACTS ON GROUNDWATER -
SURFACE WATER INTERACTION. CASE STUDY FROM BULGARIA**
47. Ivancev-Tumbas Ivana, Gimbel Rolf, Hobby Ralph
ORGANIC MICROPOLLUTANTS IN ASSESSMENT OF THE WATER QUALITY
48. Nemes Karolina, Simeunovicy Jelica, Bugarski Radojka, Vörös Lajos, Matavuly Milan
THE TROPHIC CONDITION OF THE RIVER TAMIS IN THE SUMMER SEASON
49. Velískova Yveta, Pekárová Pavla
**NUMERICAL MODELLING OF ACCIDENTAL POLLUTION SPREADING AT
UPPER PART OF HRON RIVER**
50. Veres Katerina
**THE COMPARISON OF DIFFERENT APPROACHES TO THE COMPLEX
WATER QUALITY ASSESSMENT IN THE SMALL RIVERS OF CITIES**
51. Brilly Mitja, Globevnik Lidija, Bizjak A., Vidmar Andrej
FORMATION OF ECOHYDROGRAPHICAL REGIONS IN SLOVENIA

10³⁰ – 11⁰⁰

Coffee break

11⁰⁰ – 12³⁰

**Topic 6 WATER RESOURCES
MANAGEMENT**

Convenors: **Drobot Radu, Radic Zoran**

52. Bonacci Ognjen, Trninić Dušan
ANALYSIS OF DISCHARGES ALONG THE DANUBE RIVER WATERCOURSE
53. Bošković Milan, Bajković Ivana
SURFACE WATERS OF MONTENEGRO



54. Gereš Dragutin
SUSTAINABLE DEVELOPMENT OF WATER MANAGEMENT IN CROATIA
55. Goda Laszlo, Hils Michael, Belz Jörg Uwe
THE HYDROLOGICAL METADATABASE OF THE COUNTRIES SHARING THE DANUBE CATCHMENT
56. Halmova Dana
IMPACT OF EXPECTED CLIMATE CHANGE ON STORAGE VOLUME UTILISATION OF IMPORTANT WATER RESERVOIR OF THE SLOVAK REPUBLIC
57. Jovanović Miodrag, Kapor Radomir, Prodanović Dusan, Zindović Budo
UPGRADING ENVIRONMENTAL PROJECTS BY CFD MODELLING
58. Leeuwen Nico
RAINWATER MANAGEMENT TO ALLEVIATE NEGATIVE IMPACT OF CLIMATE CHANGE ON WATER RESOURCES
59. Morozov V. N.
HYDROLOGICAL ASPECTS OF THE NAVIGABLE CHANNEL RESTORATION PROBLEM IN THE UKRAINIAN DANUBE DELTA

12³⁰ – 14⁰⁰

Lunch break

14⁰⁰ – 16⁰⁰

**Topic 6 WATER RESOURCES
MANAGEMENT**

Convenors: Bruk Stevan, Brilly Mitja

60. Pasche Erik, Radić M. Zoran
E-LEARNING SYSTEM FOR SUSTAINABLE FLOOD MANAGEMENT
61. Petrovic Pavel, Mravcova Katarina, Miklanek Pavol, Holko Ladislav, Kostka Zdeno
BASIN-WIDE WATER BALANCE IN THE DANUBE RIVER BASIN
62. Simon Simone, Bittersohl Jochen, Sprenger Wolfgang, Wolf Birgit, Rothmeier Franz
IMPLEMENTATION OF THE EU WATER FRAMEWORK DIRECTIVE IN BAVARIA: WATER QUALITY MONITORING, RISK ASSESSMENT & RIVER BASIN MANGEMENT PLANS
63. Stancalie Gheorghe, Craciunescu Vasile, Constantinescu Stefan, Ovejanu Ionut, Corbus Ciprian, Mic Rodica
WEB-BASED SYSTEM FOR TRANSBOUNDARY FLOOD RELATED GEO-SPATIAL INFORMATION MANAGEMENT
64. Stanescu Viorel, Drobot Radu
HIGH FLOODS IN ROMANIA IN 2005- SIRET RIVER BASIN CASE STUDY LESSONS ON PREPAREDNESS AND PREVENTION ROLE IN FLOOD CONTROL
65. Trifkovic A., Barthel R., Nickel D., Mauser W., Strasser U, Ludwig R., Willems W., Frueh B.
USING THE DANUBIA DECISION SUPPORT SYSTEM TO IDENTIFY CLIMATE CHANGE EFFECTS ON GROUNDWATER MANAGEMENT PERSPECTIVES
66. Yancheva Stiliania
OVERVIEW OF WATER RESOURCES UTILIZATION AND MANAGEMENT IN BULGARIA

16⁰⁰ – 16³⁰

Coffee break

16³⁰ – 17³⁰

FINAL DISCUSION AND CLOSING CEREMONY



POSTERS

1. Brilly Mitja, Stravs Lidija, Rusjan Simon, Petan Saso, Padežnik Matej, Vidmar Andrej
SYSTEM FOR SEVEN-DAY LOW FLOW FORECAST DEVELOPED BY THE RECESSION LIMB OF THE HYDROGRAPH
2. Gergov George
FLOODS IN BULGARIA AND BULGARIAN HYDROLOGY IN 2005
3. Hajtasova Katarína, Kyselova Daniela, Martinka Karol, Poprendova Katarína
INOVATION OF FLOOD WARNING AND FORECASTING SYSTEM IN THE SLOVAK REPUBLIC
4. Hlavcova Kamila, Szolgay Jan, Kohnova Silvia, Parajka Juraj
HYDROLOGICAL SCENARIOS OF CHANGES IN THE MEAN ANNUAL AND MONTHLY RUNOFF IN SLOVAKIA
5. Krahe Peter, Rachimow Claudia, Tinz Marek, Holzhauer Vera, Assmann Andre, Bliefernicht Jan, Ebert Christian, Daamen Karlheinz, Kunz Michael, Schipper Janus Willem, Meinel Gotthard, Hennesdorf Joerg
FLOOD FORECASTING & FLOOD RISK MANAGEMENT IN THE BAVARIAN DANUBE BASIN – FIRST RESULTS OF EC FP6 INTEGRATED PROJECT “PREVIEW”
6. Lobanov Vladimir, Lobanova Helen.
STOCHASTIC MODELLING OF TIME-SPACE FLUCTUATIONS UNDER MODERN CLIMATE CHANGE
7. Lukyanets Olga
EXPANSION OF VOLUME OF THE FORECASTING PRODUCTION IN THE RIVER BASIN BY APPLICATION OF THE LOCAL MATHEMATICAL MODELS
8. Micovic Zoran
DEPENDENCE OF THE OPTIMAL WATERSHED MODEL COMPLEXITY ON TEMPORAL RESOLUTION
9. Neicu Serban
THE SIMULATION OF THE FLOODS PROPAGATION ON THE DANUBE RIVER BETWEEN 376 KM AND 863 KM IN 1999, 2000, 2005 AND 2006
10. Nitescu Eftimie, Popescu Stefan, Chiorescu Esmeralda, Dascalita Dan, Toma Daniel
SYSTEM OF WARNING AND PROTECTION IN REAL TIME AGAINST FLOODINGS
11. Petkovic T. Dejan, Radic M. Zoran
DEVELOPMENT OF THE MODEL FOR SHORT-RANGE WATER FORECAST ON THE RIVER KOLUBARA
12. Stoica Florin Stefan
FLOODS PREVENTION IN UPPER TISA RIVER BASIN
13. Tecuci Ion
FLASH FLOOD REAL TIME FORECAST MODEL. CASE STUDY
14. Teodorescu Nicolae Iulian
THE HIGH FLOODS OF THE MONTH OF APRIL 2004 IN THE HYDROGRAPHIC BASIN OF THE BARZAVA RIVER
15. Aksyuk Oleksiy, Grishchenko V., Obrizan A., Tavrov Y.
FORMATION AND DISTRIBUTION OF SNOW AVALANCHES IN THE UKRAINIAN CARPATHIANS
16. Andreeva Teodossia.
EXXTREME WEATHER EVENTS IN EUROPE AND INFUENCE ON BULGARIAN SECTION OF DANUBE RIVER
17. Dankers Rutger, Feyen Luc, Kalas Milan, Christensen Ole B., Ad de Roo
CLIMATE CHANGE IMPACT ON FLOOD AND DROUGHT RISKS IN THE DANUBE BASIN: AN INTEGRATED MODELING STUDY



18. Hauer Elza , Nichita Cristian, Teodorescu Nicolae Iulian
THE FACTORS THAT GENERATED THE FLOODS IN APRIL 2005 IN BANAT
19. Kalas Milan, Feyen Luc, Vrugt Jasper A.
SEMI-DISTRIBUTED CALIBRATION OF A RAINFALL-RUNOFF MODEL FOR THE MORAVA CATCHMENT USING GLOBAL OPTIMIZATION
20. Kohnova Silvia, Szolgay Jan, Hlavcova Kamila
COMPARISON OF DESIGN k-DAY MAXIMUM PRECIPITATION TOTALS IN THE UPPER HRON REGION
21. Kuprikov Ivan, Snizhko Sergiy
CLIMATE CHANGE AND RIVER RUNOFF IN UKRAINE
22. Pandi G., Mika Janos
CORRELATIONS BETWEEN MONTHLY VALUES OF PRECIPITATION AND RUNOFF IN THE TRANSYLVANIAN BASIN
23. Regalado Leticia de Salas, Yuste José Anastasio Fernández
RAINFALL INTENSITY-DURATION-FREQUENCY FORMULA FOR SPAIN INCORPORATING REGIONAL ANALYSIS
24. Schlanger Vera, Máthé Csongor, Mika János
CHANGES OF REGIONAL CLIMATE MEANS AND OF VARIABILITY ALONG THE 45-50° N LATITUDES ACCORDING TO THE IPCC TAR CLIMATE MODELS
25. Seierstad Jorun Karoline
SNOW MEASUREMENTS IN NORWAY USING SNOW PILLOWS
26. Snizhko Scherban Iryna, Kovalenko Andriy
TEMPORARY DYNAMICS OF THE SNOW COVER CHARACTERISTICS IN UKRAINE AS A CONSEQUENCE OF CLIMATIC CHANGES
27. Sosyedko Mykhaylo
OROGRAPHICAL AREAS OF MAXIMUM AND MINIMUM OF PRECIPITATIONS ON THE TERRITORY OF THE UKRAINIAN CARPATHIANS. THE ACCOUNT OF THESE FEATURES IN A HYDROLOGICAL PRACTICE
28. Stanev Krassimir
THE INFLUENCE OF THE CLIMATE CHANGE SCENARIOS ON THE RIVER BASIN RUNOFF USING MONTHLY DATA FOR THE HBV MODEL
29. Zivlak Branko, Popovic Tihomir, Palmar Bojan
CLIMATE INDICES OF PRECIPITATION IN BELGRADE
30. Artinian Eram
HYDROLOGICAL MODELING OF THE HIGH FLOW IN MARITZA RIVER BASIN IN AUGUST 2005 ANALYSIS OF THE INFLUENCE OF THE TOPOLNITZA RESERVOIR
31. Barbalic Marina, Kratofil Lidija
LOW FLOW OF THE SAVA RIVER IN THE REPUBLIC OF CROATIA
32. Blaškovícova Lotta, Martinka Michal, Poorova Jana
CHANGES OF RIVER CROSS-SECTIONS ON SLOVAK PART OF DANUBE IN THE PERIOD 1986-2005
33. Boyeva Helena
FLOODS IN UKRAINE
34. Brilly Mitja, Štravs Lidija, Rusjan Simon, Petan Saso, Padeznik Matej, Vidmar Andrej
HYSTERESIS IN THE WATER STAGE – WATER VELOCITY RELATION AT THE OCCURRENCE OF FLOOD EVENT
35. Dulovicova Renata
THE INTERACTION BETWEEN CHANNEL NETWORK AND GROUNDWATER AT RYE ISLAND
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