



Joint ESENIAS and DIAS Scientific Conference and 10th ESENIAS Workshop

Ten years of cooperation and networking on invasive alien species in East and South Europe

07–09 December 2021

Virtual Conference

Organised by:

General Directorate of Fisheries and Aquaculture,
Ministry of Agriculture and Forestry, Turkey (GDFA)

East and South European Network for Invasive Alien Species (ESENIAS)

Danube Region Invasive Alien Species Network (DIAS)

Mediterranean Fisheries Research, Production and Training Institute,
Ministry of Agriculture and Forestry, Demre, Antalya, Turkey (MFRPTI)

Faculty of Agriculture, Canakkale Onsekiz Mart University, Turkey (COMU)

Institute of Biodiversity and Ecosystem Research, Bulgarian Academy of
Sciences, Bulgaria (IBER-BAS)

Faculty of Science, Hacettepe University, Turkey

SUEkos, Turkey

EWRS Invasive Plants Working Group

CONFERENCE PROGRAMME

Zoom Link to attend the Conference (all sessions):
[Please find it at the end of the Programme](#)

7th December 2021

10:00 – 10:30 **Opening**

Chair: Mahir Kanyılmaz

Dr. Mustafa Altuğ Atalay, General Director, GDFA

Prof. Dr. Ahmet Uludag, COMU, ESENIAS and DIAS

Dr. Teodora Trichkova, IBER-BAS, ESENIAS and DIAS

Mr. Akif Özkaldi, Deputy Minister, Ministry of Agriculture and Forestry

Session 1

Chair: F. Güler Ekmekçi

Keynote presentation 1

10:30 – 11:00 **Teodora Trichkova, Ahmet Uludağ, Rumen Tomov, Paraskevi K. Karachle, Vladimir Vladimirov, Hristina Kalcheva** – ESENIAS & DIAS:
Ten years of cooperation and networking on invasive alien species in East and South Europe

Keynote presentation 2

11:00 – 11:30 **Ana Cristina Cardoso, Konstantinos Tsiamis, Ivan Deriu, Fabio D'Amico, Chiara Magliozzi, Eugenio Gervasini** – EU Regulation 1143/2014: EASIN assessment of invasive alien species of Union concern distribution based on MS reports

Keynote presentation 3

11:30 – 12:00 **Mustafa Altuğ Atalay, Mahir Kanyılmaz, Elvan Atılgan, Derya Özcan** – Management of invasive freshwater fish species with economic value in Turkey through fisheries methods

12:00 – 12:15 **Coffee break**

Session 1 (Cont.)

Chair: F. Güler Ekmekçi

12:15 – 12:30 **Ali Serhan Tarkan, Elena Tricarico, Lorenzo Vilizzi, Gökçen Bilge, F. Güler Ekmekçi, Halit Filiz, Daniela Giannetto, Ali İlhan, Nurçin Killi, Şerife Gülsün Kirankaya, Nicholas Koutsikos, Sebastian Kozic, Irmak Kurtul, Lorenzo Lazzaro, Agnese Marchini, Anna Occhipinti-Ambrogi, Costas Perdikaris, Marina Piria, Laura Pompei, Hasan Sari, Evangelia Smeti, Gianluca Stasolla, Nildeniz Top, Konstantinos Tsiamis, Leonidas Vardakas, Sercan Yapici, Baran Yoğurtçuoğlu, Gordon H. Copp** – Risk of invasiveness of non-native aquatic species in the eastern Mediterranean region

12:30 – 12:45 **Nurçin Killi, Ali Serhan Tarkan** – Risk screening of the alien copepod *Pseudodiaptomus marinus* for the Mediterranean Sea using the Aquatic Species Invasiveness Screening Kit (AS-ISK)

12:45 – 13:00 **Zrinka Mesić, J. Mihalić, Mia Vučevac, Ana Đanić, Nela Jantol, Edin Lugić, Andreja Pavlović** – Development of the action plans for the introduction pathways of IAS – experience from Croatia

13:00 – 14:00 **Lunch break**

Session 2

Chair: Marina Piria

Keynote presentation 4

14:00 – 14:30 **Helen Roy** – Predicting biological invasions globally

Keynote presentation 5

14:30 – 15:00 **Paulina Anastasiu** – Invasive species management in Romania: from zero to hero

15:00 – 15:15 **Sandro Bertolino** – Prioritising invasive alien species for a list of species of national concern

15:15 – 15:30 **Ana Marić, Ivan Špelić, Tena Radočaj, Tamara Kanjuh, Vera Nikolić, Dubravka Škraba Jurlina, Zoran Vidović, Marina Piria, Predrag Simonović** – Risk screening of introduced and horizon salmonids of the Western Balkans under current and future climate conditions

15:30 – 15:45 **Nail Sevingel, Halit Filiz** – Presence of invasive alien fishes in the no-fishing zones of the southern part of Datca-Bozburun special environmental protection area, Turkey

15:45 – 16:00 **Coffee break**

Session 3

Chair: Marina Piria

16:00 – 16:15 **Daniel P. Molloy** – An international collaborative project documenting the parasites of *Dreissena* spp. mussels throughout Eurasia – An Update

16:15 – 16:30 **F. Güler Ekmekçi, Anıl Göksel Öser, Baran Yoğurtçuoğlu** – Sodium Sulfate (Na₂SO₄) tolerance of globally invasive mosquito fish (*Gambusia holbrooki*): A case study in Lake Acıgöl (Denizli-Turkey)

16:30 – 16:45 **Göktuğ Gül, Sibel Atasagun** – Current status of Delice River (Kizilirmak) for invasive fish species *Gambusia holbrooki* and *Pseudorasbora parva*

16:45 – 17:00 **Coffee break**

17:00 – 18:00 Poster Session 1

Chair: Vladimir Vladimirov

8th December 2021

Session 4

Chair: Sasho Trajanovski

Keynote presentation 6

10:00 – 10:30 **Argyro Zenetos, Marika Galanidi** – Status of NIS in the Mediterranean and Black Sea EU countries and attempts to set threshold values

Keynote presentation 7

10:30 – 11:00 **Mahir Kanyılmaz, Mustafa Altuğ Atalay, Derya Özcan, Elvan Atılğan** – A pilot governmental study against invasive pufferfish (*Lagocephalus sceleratus*) in Turkey

Parallel Sessions

Parallel Session 5

Chair: Vladimir Vladimirov

11:00 – 11:15 **Mihaela Urziceanu, Alina Georgiana Ciślariu, Eugenia Nagodă, Alma Nicolin, Mihaela Sămărghițan, József Pál Frink, Nicolae Manta, Paulina Anastasiu** – *Humulus scandens* in Romania: updated species distribution and suitability for occurrence

11:15 – 11:30 **Necmi Aksoy, Ahmet Uludağ, Ramazan S. Göktürk, Gerhard Karrer** – Taxonomic notes and chorological update on the *Ambrosia* L. spp. in Turkey

11:30 – 11:45 **Coffee break**

Parallel Session 5 (cont.): ESENIAS/ EWRS Session

Chair: Vladimir Vladimirov

11:45 – 12:00 **Ahmet Uludağ, Bojan Konstantinović, Tijana Stojanović, Heinz Müller-Schärer, Christian Bohren, Sava Vrbničanin, Ana Anđelković, Mehmet Arslan, Dragana Božić, Maria Galkina, Doğan Işık, Darko Jovanović, Edvina Krokaitė, Eugenija Kupčinskienė, Jovan Lazarević, Marija Nedeljković, Mostafa Oveisi, Milena Popov, Miloš Rajković, Nataša Samardžić, Alexandros Tataridas, Teodora Tojić** – The view of weed scientists on invasive alien plants issues

12:00 – 12:15 **Sahar Malka, Hanan Eizenberg, Maor Matzrafi** – Investigating the germination response and phenology capabilities of *Parthenium hysterophorus* populations in Israel

12:15 – 12:30 **Marion K. Seier, Djamila H. Djeddour, Daisuke Kurose, Kate M. Pollard, Corin F. Pratt, Richard H. Shaw, Sonal Varia** – Classical biological control – a management strategy for non-native invasive weeds in the UK

12:30 – 12:45 **Oeri Bar, Ran Lati, Jessica Schäckermann, Abraham Gamliel, Maor Matzrafi** – Improving the management of *Cynanchum acutum* L. in date palm orchards of the Southern Arava

12:45 – 13:00 **Muhammad Akbar, Arshad Javaid, Ejaz Ahmed and Tayyaba Khalil** – Herbicidal activity of metabolites of *Drechslera hawaiiensis* against *Rumex dentatus* and identification of active metabolite by spectroscopic techniques

13:00 – 14:00 **Lunch break**

Session 7

Chair: Ahmet Uludag

Keynote presentation 8

14:00 – 14:30 **Ali Serhan Tarkan** – Understanding the ecological impacts of aquatic invasive alien species: towards a sustainable management approach

Keynote presentation 9

14:30 – 15:00 **Gordon H. Copp** – ‘To be or not to be’ an invasive fish in Europe – over 60 years of research on non-native pumpkinseed in Europe and Western Asia

15:00 – 15:15 **Nefeli Zervou, Stelios Kartalis, Sarah Faulwetter, Alexis Ramfos, Ioannis-Dimosthenis S. Adamakis** – The ecophysiological status of a *Halophila stipulacea* seagrass meadow located near a fish farm unit

15:15 – 15:30 **Ebrahim M. Eid, Kamal H. Shaltout, Aljawhara H. Almuqrin, Dalal A. Aloraini, Khaled M. Khedher, Mostafa A. Taher, Ahmed H. Alfarhan, Yolanda Picó, Damia Barcelo** – Uptake prediction of nine heavy metals by *Eichhornia crassipes* grown in irrigation canals: A biomonitoring approach

15:30 – 15:45 **Ligita Baležentienė** – Water use effectivity of *Heracleum sosnowskyi* during vegetation period in new invaded environmental conditions

15:45 – 16:00 **Coffee break**

Session 8 (Cont.) ESENIAS/ EWRS Session

Chair: Necmi Aksoy

16:00 – 16:15 **Peter Tóth, Patrícia Máčajová** – Can nature stop the formation of allergenic ragweed pollen?

16:15 – 16:30 **Hilmi Torun, Mine Özkil, İlhan Üremiş, Ahmet Uludağ, Ahmet İlçim** – A new alien species in banana production in Turkey: *Pilea microphylla* (L.) Liebm. (Urticaceae)

16:30 – 16:45 **Ligita Baležentienė** – Ecophysiological adaptation of *Rumex confertus*

16:45 – 17:00 **Ligita Baležentienė** – Fluorescence intensity of *Fallopia japonica* in a new habitat environment

17:00 – 17:15 **Coffee break**

17:15 – 18:15 Poster Session 2

Chair: Ahmet Uludag

Parallel Sessions

Parallel Session 6

Chair: Paraskevi K. Karachle

11:00 – 11:15 **Sasho Trajanovski, Konstantin Zdraveski, Biljana Budzakoska Gjoreska, Sonja Trajanovska** – Invasive and non-native species (INNS) horizon scanning in the ancient Lake Ohrid

11:15 – 11:30 **Konstantin Zdraveski, Sasho Trajanovski** – Update on the invasive and non-native species management activities within the watershed of Lake Ohrid: ‘IASLO’ and ‘RISKMAN’ projects

11:30 – 11:45 **Coffee break**

Parallel Session 6 (Cont.)

Chair: Paraskevi K. Karachle

11:45 – 12:00 **Madona Varshanidze, Marina Mgeladze, Ramaz Mikeladze, Paata Vadachkoria** – The invasive alien species in the Black Sea coast of Georgia

12:00 – 12:15 **Alma Gombert** – The *Pterois miles* invasion in the Ionian Sea since 2020, monitoring project through visual census techniques and oral investigations in Northern Kefalonia

12:15 – 12:30 **Aylin Ulman, Taner Yildiz, Nazli Demirel, Ozgur Canak, Emre Yemişken, Daniel Pauly** – The biology and ecology of the invasive silver-cheeked toadfish (*Lagocephalus sceleratus*), with emphasis on the Eastern Mediterranean

12:30 – 12:45 **Banu Bitlis, Bilal Öztürk** – Recent status of alien gastropods (Mollusca) distributed along the Aegean Sea coast of Turkey

12:45 – 13:00 **Mustafa Zengin, Serdar Süer, Melih Rüzgâr, M. Hakan Kaykaç** – An evaluation of the success and failure of traps designed for Exotic sea snail (*Rapana venosa*) fishing located on the Southeastern Black Sea coast

13:00 – 13:15 **Marius Skolka, Daniyar Memedemin, Cristina Preda, Carla Flavia Gavrilesco, Teodora Tănase, Valentin Stanciu, Alexandra Şoimu, Alexandra Telea, Geanina Fănar, Sebastian Topliceanu, Ovidiu Drăgan** – Recent data on alien and invasive invertebrates in Romania

13:15 – 14:00 **Lunch break**

9th December 2021

Session 10

Chair: Laurentiu Rozyłowicz

10:00 – 10:15 **Tatia Kuljanishvili, Bella Japoshvili, Lukas Kalous** – Introduction of ruffe *Gymnocephalus cernua* (Linnaeus, 1758) in the South-eastern Black Sea basin, and its possible negative impacts on Georgian native ichthyofauna

10:15 – 10:30 **Marian Tudor, Ovidiu Drăgan, Florina Stănescu, Dan Cogălniceanu** – Current distribution of *Gambusia holbrooki* in Romania, with emphasis on natural and anthropogenically mediated dispersal pathways

Keynote presentation 10

10:30 – 11:00 **Mehmet Arslan** – The role of epigenetics on invasiveness

Keynote presentation 11

11:00 – 11:30 **Riccardo Scalera, Piero Genovesi** – Developing invasive alien species knowledge to support decision makers and practitioners

11:30 – 11:45 **Coffee break**

Session 11

Chair: Laurentiu Rozyłowicz

11:45 – 12:00 **Rumen Tomov** – Review of alien insect pests on *Vitis* sp. in Bulgaria

12:00 – 12:15 **Oksana Nekrasova, Oleksii Marushchak, Mihails Pupins, Arturs Skute, Volodymyr Tytar, Andris Ceirans** – Threats of the emergence of new alien species to the local herpetofauna in Eastern Europe

12:15 – 12:30 **Monika Petković, Edin Lugić, Zrinka Mesić, Mia Vučevac, Andreja Pavlović, Nikola Tvrtković** – Management for Small indian mongoose (*Hesperetes auropunctatus*) in Croatia

12:30 – 12:45 **Polina K. Nikova, Maria Kachamakova, Yordan Koshev** – Is there an established American mink (*Neovison vison* Schreiber, 1777) population in Bulgaria? Initial results from a survey on escapees from fur farms

12:45 – 14:00 **Lunch break**

14:00 – 15:00 **Poster Session 3**

Chairs:

15:00 – 15:30 **Poster Session 4**

Chair: Rumen Tomov

15:30 – 16:15 **Poster Session 5 & Citizen Science Session**

Chairs: Paraskevi K. Karachle and Rumen Tomov

16:15 – 16:30 **Coffee break**

16:30 – 17:30 **Joint 10th Joint ESENIAS and DIAS Meeting**

POSTERS

Poster Session 1

(17:00 – 18:00h, 7.12.2021)

Chair: Vladimir Vladimirov

- P1.01: Ana Anđelković, Danijela Pavlović, Milica Živković, Slađana Popović, Dušanka Cvijanović, Snežana Radulović** – Effect of dominant riparian vegetation on the presence and abundance of invasive alien plants in the riparian areas of Serbia
- P1.02: Daniyar Memedemin, Răzvan Zaharia, Marius Skolka** – No barriers for invasive species – case study: *Reynoutria japonica* Houtt.
- P1.03: Erika Juškaitytė, Edvina Krokaitė, Lina Jocienė, Algimantas Paulauskas, Eugenija Kupčinskienė** – Phenological characteristics of wild cucumber (*Echinocystis lobata* (Michx.) Torr. et A. Gray.) growing in private area of Kaunas city
- P1.04: Liubov Gubar, Yuliia Bereznichenko** – Morphological variability characteristics of populations' *Echinochloa crus-galli* (L.) P. Beauv. in different environmental conditions
- P1.05: Mariana Prokopuk, Yulia Bereznichenko** – *Pistia stratiotes* L. & *Eichornia crassipes* (Mart.) Solms – tropical invaders in aquatic ecosystems of Eastern Europe (Ukraine)
- P1.06: Mònica Utjés, Laura Mena, Neus Nualart, Jordi López-Pujol** – *Kalanchoe* × *houghtonii* and its parental species (*K. daigremontiana* and *K. tubiflora*): three newcomers quickly expanding in the Mediterranean Basin
- P1.07: Serhii Koniakin, Mariana Prokopuk, Yuliia Bereznichenko** – Plant invasion research in aquatic and coastal-aquatic ecotopes of Ukraine: current state and prospects
- P1.08: Valeri Georgiev, Sonya Tsoneva, Daniella Ivanova** – First record of the alien plant species *Cucurbita foetidissima* (Cucurbitaceae) in Bulgaria
- P1.09: Vanessa Lozano, Giuseppe Brundu, Stefania Pisanu, Simonetta Bagella** – Non-native flora of Asinara National Park (Italy): a first checklist and a preliminary analysis to support management measures
- P1.10: Roxana Nicoară, Marilena Onete, Florian Bodescu** – Impact assessment of invasive alien plant species in aquatic and riparian habitats of conservative interest within Lower Danube basin (ROSCI0012 Braț Măcin, Romania)
- P1.11: József Pál Frink, Dragoș Ștefan Măntoiu, Alina Georgiana Cîșlariu** – Potential spread and impact of *Heracleum sosnowskyi* Manden. on alkaline fens in Romania
- P1.12: Nataliia Miroshnyk** – Alien plant species in forest shelterbelts: ecological role and effect on biodiversity

Poster Session 2

(17:15 – 18:15h, 8.12.2021)

Chair: Ahmet Uludag

- P2.01: Dénes Bartha, Balázs Parczen, Márton Korda, Ágnes Csiszár** – Studies on the regeneration of white poplar (*Populus alba* L.) gallery forests infested with invasive trees and shrubs along the Körös river (Eastern Hungary)
- P2.02: Diana Vlahović, Dario Hruševar, Božena Mitić** – Invasive alien plants in urban environment – case study in the city of Samobor (continental Croatia)

- P2.03: Florian Bodescu, Onete Marilena, Roxana Nicoară** – Alien invasive plant species pressures on ecological reconstruction process: concept and methods
- P2.04: Jesús Jiménez-Ruiz, Juan Pablo Del Monte, Maria Inés Santín-Montanyá** – Finding optimal control strategies for the invasive plant *Arundo donax* (Giant reed)
- P2.05: Sasan Abdolahi Lorestani, Mostafa Oveisi, Hassan Alizadeh, Hamid Rahimian Mashhadi** – Effect of earthing up (Hilling up) on spatial variation of swallow-wort (*Cynanchum acutum* L.) in sugarcane fields of Iran
- P2.06: Darko Stojićević, Dragana Božić, Aleksandra Radanović, Dragana Miladinović, Sava Vrbničanin** – Distribution and population variability of weedy sunflower on territory of the Republic of Serbia
- P2.07: Edvina Krokaitė, Dinara Shakeneva, Lina Jocienė, Tomas Rekašius, Algimantas Paulauskas, Eugenija Kupčinskienė** – New geographical insights into *Lythrum salicaria* populations
- P2.08: Gorica Vuković, Tijana Stojanović, Bojan Konstantinović, Nataša Samardžić, Milena Popov, Nikola Puvača, Vojislava Bursić, Aleksandra Petrović, Dušan Marinković** – The influence on the food safety by the spreading of the invasive alien plants
- P2.09: Marija Sarić-Krsmanović, Jelena Gajić Umiljendić, Miloš Rajković, Ljiljana Radivojević, Dragana Božić, Sava Vrbničanin** – Dissimilarity in early seed development of 26 populations of *Cuscuta campestris* Yunck.: The significance of host, seed age, morphological trait, light, and temperature
- P2.10: Meisam Zargar, Elena Pakina, Maryam Bayat** – A perspective of herbicide-resistant weeds and management options

Poster Session 3

(14:00 – 15:00h, 9.12.2021)

- P3.01: Larysa Samchyshyna** – New records of invasive copepod *Sinodiaptomus sarsi* (Copepoda, Calanoida) in the West Ukraine and coexistence with local calanoid species
- P3.02: Larysa Samchyshyna, Leonid Svetlichny** – Established breeding population of invasive calanoid *Sinodiaptomus sarsi* (Copepoda, Calanoida) in Ukraine
- P3.03: Polyxeni Kourkoutmani, Georgia Kalantaridou, Aikaterini Loufi, Aikaterini Karagianni, Evangelia Michaloudi** – Presence of the invasive cyclopoid *Oithona davisae* Ferrari & Orsi, 1984 in Kavala harbor, North Aegean Sea
- P3.04: Oxana Munjiu** – Spreading of the invasive species *Macrobrachium nipponense* (De Haan, 1849) (Decapoda, Palaemonidae) on the territory of the Republic of Moldova
- P3.05: Katarina Zorić, Ana Atanacković, Vesna Đikanović** – Zapadna Morava River: A new route for spreading of alien aquatic macroinvertebrate species in Serbia
- P3.06: Dilian Georgiev, Milcho Todorov, Emilia Varadinova, Violeta Tyufekchieva, Mila Ihtimanska, Yanka Vidinova, Teodora Trichkova** – New data about the distribution of the New Zealand mud snail *Potamopyrgus antipodarum* (Gray, 1843) along the Bulgarian Black Sea coast
- P3.07: Mila Ihtimanska, Violeta Tyufekchieva, Emilia Varadinova, Milcho Todorov, P3.08: Teodora Trichkova** – First records of the Asian clam *Corbicula fluminea* (Müller, 1774) (Bivalvia: Veneroida: Corbiculidae) in the Black Sea river basin in Bulgaria
- P3.08: Teodora Trichkova, Nicoletta Riccardi, Maria Urbańska, Milcho Todorov, Manuel Lopes-Lima** – The Chinese pond mussel *Sinanodonta woodiana* (I. Lea, 1834) already established in a river system of the Aegean Sea basin in Bulgaria
- P3.09: Lale Gençoğlu, Gülşah Çoban, Şerife Gülsün Kırankaya** – Life-history traits of Exotic Redbelly Tilapia in Köyceğiz Lake (Turkey)

- P3.10:** Nataliia Tymoshenko, Olena Hupalo, Igor Abramiuk – Distribution of invasive Chinese sleeper *Perccottus glenii* Dybowski, 1877 in the Upper and Middle Dniester basin
- P3.11:** Yuriy Kvach, Markéta Ondračková, Teodora Trichkova – Parasites for Ponto-Caspian gobies (Actinopterygii: Gobiidae) in their native and non-native ranges

Poster Session 4

(15:00 – 15:30h, 9.12.2021)

Chair: Rumen Tomov

- P4.01:** Constantina Chireceanu, Andrei Teodoru, Ioana Florescu – Monitoring of the Spotted Wing Drosophila *Drosophila suzukii* (Matsumura) (Diptera: Drosophilidae) in Romania
- P4.02:** Eka Tskitishvili, Lali Jgenti, Tengiz Vadachkoria, Medea Gigolashvili, Nino Lomidze – Soil nematode fauna of mountains agroecosystems in Khulo (Ajara, Eastern Georgia)
- P4.03:** Manana Kereselidze, Nika Guntadze, Daniela Pilarska, Andreas Linde – *Halyomorpha halys* (Hemiptera:Pentatomidae) feeding effects on hazelnut, *Corylus avellana* L. in Georgia orchards
- P4.04:** Teodora Toshova, Dimitar Velchev, Marek Barta, Danail Takov, Ivaylo Todorov, Daniela Pilarska, Miklós Tóth, Strahil Berkov, Milena Nikolova – Evaluation of potential insecticide activity of essential oil and entomopathogenic fungus against *Diabrotica virgifera virgifera* LeConte

Poster Session 5 & Citizen Science Session

(15:30 – 16:15h, 9.12.2021)

Chairs: Paraskevi K. Karachle and Rumen Tomov

- P5.01:** Paraskevi K. Karachle, Aikaterini Dogrammatzi, George Apostolopoulos, Kassiani Konida, Melina Nalmpanti, Athanassios C. Tsikliras, Michalis Margaritis, Nicholas-Jason Xentidis, Argyro Zenetos – Enriching the ELNAIS database through Citizen Science with information on the distribution of four invasive alien marine species: input from the scientific project 4ALIEN
- P5.02:** Rumen Tomov, Teodora Trichkova, Vladimir Vladimirov, Hristina Kalcheva – The citizen science for invasive alien species in Bulgaria – a review
- P5.03:** Teodora Trichkova, Momir Paunović, Dan Cogălniceanu, Sven Schade, Milcho Todorov, Rumen Tomov, Florina Stănescu, Ivan Botev, Celia López-Cañizares, Eugenio Gervasini, Zdravko Hubenov, Kostadin Ignatov, Marian Kenderov, Nikola Marinković, Irena Mitton, Cristina Preda, Fabiano Antonio Spinelli, Konstantinos Tsiamis, Ana Cristina Cardoso – Testing and update of ‘Invasive Alien Species in Europe’ smartphone app for the Danube Region

Participants' countries and time zones

| Country (Country zone) | Turkey time (TRT) | Central European time (CET) |
|-------------------------------------|-------------------|-----------------------------|
| 1. Austria (CET) | -2 | 0 |
| 2. Bulgaria (EET) | -1 | 1 |
| 3. Croatia (CET) | -2 | 0 |
| 4. Cyprus (EET) | -1 | 1 |
| 5. Czech Republic (CET) | -2 | 0 |
| 6. Egypt/ Saudi Arabia (EET)/ (AST) | -1 /0 | 1 /2 |
| 7. Georgia (GET) | 1 | 3 |
| 8. Greece (EET) | -1 | 1 |
| 9. Hungary (CET) | -2 | 0 |
| 10. Iran (IRST) | 30 m | 2 h 30 m |
| 11. Israel (IST) | -1 | 1 |
| 12. Italy (CET) | -2 | 0 |
| 13. Lithuania (EET) | -1 | 1 |
| 14. Moldova (EET) | -1 | 1 |
| 15. Montenegro (CET) | -2 | 0 |
| 16. R. North Macedonia (CET) | -2 | 0 |
| 17. Pakistan (PKT) | 2 | 4 |
| 18. Romania (EET) | -1 | 1 |
| 19. Russia (MSK) | 0 | 2 |
| 20. Serbia (CET) | -2 | 0 |
| 21. Slovakia (CET) | -2 | 0 |
| 22. Slovenia (CET) | -2 | 0 |
| 23. Spain (CET) | -2 | 0 |
| 24. Turkey (TRT) | 0 | 2 |
| 25. UK (GMT) | -3 | -1 |
| 26. Ukraine (EET) | -1 | 1 |
| 27. USA (EST) | -8 | -6 |

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EET – Eastern European Time = UTC +2

TRT = UTC +3

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