

THE SCIENTIFIC INTERNATIONAL CONFERENCE

MUSEUM AND SCIENTIFIC RESEARCH

12th – 14th of September 2024

PROGRAMME

Thursday the 12th of September

THE MUSEUM OF OLTEНИA CRAIOVA
Administrative office - Conference room
Welcoming the guests
8⁰⁰ – 9³⁰

THE MUSEUM OF OLTEњIA CRAIOVA
Administrative office - Conference room
The official opening
10⁰⁰ – 11⁰⁰

PLENUM PRESENTATIONS
11¹⁵ – 12³⁰

Break
13⁰⁰ – 14⁴⁵

NATURAL SCIENCES DEPARTMENT
Oral presentations
15⁰⁰ – 19⁰⁰

Friday the 13th of September

8⁰⁰ – 19³⁰: Research field trip

Iron Gates Natural Park

Saturday the 14th of September

**NATURAL SCIENCE DEPARTMENT
Exhibition room no. 1 - ground floor**

**POSTER PRESENTATION
9³⁰ – 11³⁰**

**DEBATES IN PLENUM
AND FINAL CONCLUSIONS
11⁴⁵ – 13⁰⁰**

Thursday the 12th of September

**OFFICIAL OPENING
10⁰⁰ – 11⁰⁰**

**THE MUSEUM OF OLTEНИA CRAIOVA
Administrative office - Conference room**

❖ **Opening speech:**

- **PhD. Florin RIDICHE** - Manager of The Museum of Oltenia Craiova

❖ **Inaugural speech:**

- **Dorin Cosmin VASILE** – President of Dolj County Council
- **Antonie SOLOMON** – Vicepresident of Dolj County Council
- **Sina Niculina COSMULESCU** – Dean of the Faculty of Horticulture of the University of Craiova
- **Liviu Aurel OLARU** – Dean of the Agronomy Faculty of the University of Craiova

**THE MUSEUM OF OLTEњIA CRAIOVA
Administrative office - Conference room**

PLENUM PRESENTATIONS

11¹⁵ – 12³⁰

Chaired by GACHE Carmen, PhD. - “Alexandru Ioan Cuza” University of Iași, Romania

POPESCU Oana-Cătălina, TACHE Antonio-Valentin, PETRIȘOR Alexandru Ionuț

Completing the urban green infrastructure with green areas related to public facilities / Completarea infrastructurii verzi urbane cu zonele verzi aferente facilitărilor publice

MOGILDEA Vladimir, BEJAN Iurii, ȚUGULEA Andrian

Assessment of green and blue infrastructure in urban and rural ecosystems and the impact on ecosystem services / Evaluarea infrastructurii verzi și albastre din ecosistemele urbane și rurale și impactul acestora asupra serviciilor ecosistemice

WORKS ON SECTIONS

SECTION I – GEOLOGY Administrative office – Conference room

1st part: 15⁰⁰ - 16⁵⁰

Chaired by CODREA Vlad, PhD. - “Babeş Bolyai” University, Cluj Napoca, Romania

STELEA Ion

Structural and lithological relics in the Getic Crystalline of the South Carpathians / Relicte structurale și litologice în Cristalinul Getic al Carpaților Meridionali

CULESCU Flori, GHENCIU Monica

Areal distribution of boulders in the gravels of the eastern Getic Piedmont / Repartiția areală a bolovanilor în pietrișurile din estul Piemontului Getic

GHENCIU Monica, STELEA Ion

Old geological maps regarding Muntenia (1889-1943) / Hărți geologice vechi privind Muntenia (1889-1943)

BORDEIANU Marian, CODREA Vlad A., NOVAC Mircea

New aspects on the Bihor 'Autochthonous' and related covering thrusting nappes, based on geothermal well data / Aspecte inedite despre 'Autohtonul' de Bihor și pânzele de șariaj acoperitoare, pe baza datelor din sondele pentru ape geotermale

GRIGORE Dan

Aspidoceratidae (*Physodoceras*, *Benetticeras*, *Orthaspidoceras*) species from the upper Jurassic deposits of the Hăgimaș Mts. (East Carpathians – Romania) / Specii de Aspidoceratidae (*Physodoceras*, *Benetticeras*, *Orthaspidoceras*) din depozitele Jurasicului superior, din Munții Hăgimaș (Carpații Orientali - România)

GRĂDIANU Ionuț

Billfishes (Istiophoriformes: †Palaeorhynchidae) from the Oligocene of Piatra-Neamț (Romania) / „Pești spadă” (Istiophoriformes: †Palaeorhynchidae) din Oligocenul de la Piatra-Neamț (Romania)

CODREA Vlad A., SOLOMON Alexandru A., VENCZEL Márton, FĂRCĂŞ Cristina

New medium-sized multituberculate mammals remains from the Hațeg Basin (Transilvania, Romania) / Noi resturi de mamifere multituberculate de mărime medie din bazinul Hațeg (Transilvania, România)

CODREA A. Vlad, DIACONU Florina

The pliocene mastodon *Anancus arvernensis* from Scorila (Mehedinți County, Romania) / Mastodontul *Anancus arvernensis* de la Scorila (Județul Mehedinți, România)

POPESCU Aurelian, VEREŞ Daniel, VASILE Ștefan, TORCĂRESCU Bogdan

A new discovery of *Mammuthus primigenius* (Blumenbach, 1799) in Dolj County (SW of Romania) / O nouă descoperire de *Mammuthus primigenius* (Blumenbach, 1799) în județul Dolj (România)

2nd part: 17¹⁰ – 19⁰⁰

Chaired by STELEA Ion, PhD. – Geological Institute of Romania, Bucharest, Romania

ASIMOPOLOS Laurențiu, ASIMOPOLOS Natalia-Silvia, TURANBOY Alparslan, ULKER Erkan, ASIMOPOLOS Adrian-Aristide

Optimizing the exploitation of ornamental rock quarries by analysing the 3d fracture network / Optimizarea exploatarii carierelor de rocă ornamentală prin analiza rețelei de fractură

ASIMOPOLOS Natalia-Silvia, ASIMOPOLOS Laurențiu, ASIMOPOLOS Adrian-Aristide, DINU Luminița, BALEA Bogdan

Study on the strongest geomagnetic events in the current solar cycle / Studiu privind cele cele mai puternice evenimente geomagnetice din ciclul solar actual

NICULICI Eugen Laurențiu, DINU Luminița

Evaluation of geomagnetic activity based on DST indices and the number of sunspots, in the last 6 solar cycles / Evaluarea activității geomagnetice pe baza indicilor DST și a numărului de pete solare, în ultimele 6 cicluri solare

DINU Luminița, NICULICI Eugen Laurențiu, TATARU Adrian

Space - temporal analysis of large geomagnetic disturbance, case study for the storm of 24 march 2024 / Analiza spațio – temporală a

perturbațiilor geomagnetice mari, studiu de caz pentru furtuna din 24 martie 2024

CRUȘOVEANU - RUSU Simona, POPA Mihai Emilian, GRIGORE Dan

The Brădet quarry in Anina, a proposal for a new site of special scientific interest / Tithonianul din cariera Brădet (Anina) – propunere pentru o nouă rezervație paleontologică

MACOVEI Monica, RUSU Simona, SĂSĂRAN Liana

Geoheritage – Geosites and museum collections: the fossil site from Globu Craiovei / Geoheritage – Geosituri și Colecții muzeale: locul fosilifer de la Globu Craiovei

PRICĂ Rodica Galina

Geosites - perspectives, trends, education and challenges / Geositurile - perspective, tendințe, educație și provocări

PRICĂ Rodica Galina

Determination of the amount of geothermal energy potentially extractable from geological formations / Determinarea cantității de energie geotermică posibil de extras din formațiunile geologice

ROGOJANU Dumitru-Cătălin

Franz Nopcsa: a complex and controversial personality / Franz Nopcsa: o personalitate complexă și controversată

SECTION II – VEGETAL BIOLOGY
The Natural Sciences Department
Conference room 2nd floor

15⁰⁰ – 16⁵⁰

Chaired by RĂDUȚOIU Daniel, PhD. - University of Craiova, Faculty of Horticulture, Biology Department, Romania
ȚÎTEI Victor, PhD. - “Alexandru Ciubotaru” National Botanical Garden (Institute), Chisinau, Republic of Moldova

ȚÎTEI Victor, COŞMAN Sergiu, COŞMAN Valentina

The evaluation of the biomass quality of *Astragalus cicer* and *Astragalus galegiformis* and prospects of its use in Moldova / Evaluarea calității biomasei de *Astragalus cicer* și *Astragalus galegiformis* L. și perspective de valorificare în Moldova

ȚÎTEI Victor

The biochemical composition and nutritive value of green mass and silage from safflower *Carthamus tinctorius* L. / Compoziția biochimică și valoarea nutritivă a masei verzi și a silozului din plantele de șofrânel *Carthamus tinctorius* L.

IVANOVA Raisa, BRINDZA Jan

Biometric characteristics of flowers, fruits and seeds of american pokeweed (*Phytolacca americana* L.) / Caracteristici biometrice ale florilor, fructelor și semințelor de cărmâz (*Phytolacca americana* L.)

ELISOVEȚCAIA Dina, IVANOVA Raisa, BRINDZA Jan

Determination of the morphometric parameters and reproductive ability of beech seeds (*Fagus sylvatica*) of Slovak origin / Determinarea parametrilor morfometriici și a capacitatei de reproducere a semințelor de fag (*Fagus sylvatica*) de origine din Slovacia

MIHNEA Nadejda, LUPAŞCU Galina, RUSU Vadim

Identification of the tomato genotypes resistant to thermal stress using factorial and cluster analysis / Identificarea genotipurilor de tomate rezistente la stresul termic cu ajutorul analizelor factorială și clusteriană

PETRUȘ-VANCEA Adriana, KLESZKEN Timea, SUCEA Felicia-Nicoleta
Preliminary data on the flora of Three Valleys of the Jiu Gorge National Park, Romania / Studiu privind flora în Parcul Național Defileul Jiului, România

RĂDUȚOIU Daniel

Ranunculus binatus Kit. ex Rchb. (Ranunculaceae) from Oltenia, Romania / *Ranunculus binatus* Kit. ex Rchb. (Ranunculaceae) din Oltenia, România

SECTION III – ANIMAL BIOLOGY – INVERTEBRATES

The Natural Sciences Department
Exhibition room – 2nd floor

1st part: 15⁰⁰ - 16⁵⁰

Chaired by BACAL Svetlana, PhD. Hab. - Institute of Zoology, State University of Moldova. Moldova

PETRESCU Iorgu, PhD. - "Grigore Antipa" National Museum of Natural History, Bucharest, Romania

PETRESCU Ana-Maria, PETRESCU Angela, ANDREI Gabriela

Marine and terrestrial molluscs from Bermuda - A new collection from the patrimony of the "Grigore Antipa" Museum from Bucharest (Romania) / Moluște marine și terestre din Bermuda - o nouă colecție din patrimoniul Muzeului "Grigore Antipa" din București (România)

PETRESCU Ana-Maria, PETRESCU Iorgu

On type specimens of Cavernicolous Isopods described by the famous romanian scientist Emil Racoviță in the collections of the "Grigore Antipa" National Museum of Natural History from Bucharest (Romania) / Despre exemplarele tip de izopode cavernicole, descrise de faimosul cercetător român Emil Racoviță, din colecțiile Muzeului Național de Istorie Naturală "Grigore Antipa" din București (România)

CREȚU Irina, BURDUJA Daniela, BUŞMACHIU Galina

Ladybirds (Insecta: Coccinellidae) from the Museum of Entomology, Institute of Zoology, Republic of Moldova / Diversitatea buburuzelor (Insecta: Coccinellidae) din colecția Muzeului de Entomologie al Institutului de Zoologie, USM

BUŞMACHIU Galina, CREȚU Irina, BACAL Svetlana, BURDUJA Daniela

New data on insecta from old Orhei, Republic of Moldova / Date noi despre insectele din Orheiul Vechi, Republica Moldova

STANCA-MOISE Cristina

Invasive insect species reported in the city of Sibiu, under the climatic conditions of 2021-2024 / Specie de insectă invazivă semnalată în orașul Sibiu, în condițiile climatice din 2021-2024

STANCĂ-MOISE Cristina

The study of insects in an agricultural ecosystem, a vegetable garden in the Orlesti Village of Valcea County / Studiu insectelor realizat în grădina de legume din comuna Orlești, județul Vâlcea

LILA GIMA

Coleoptera species (Insecta: Coleoptera) found in the Desnățuiului meadow, Giurgita village, Giurgita commune, Dolj County, Romania / Specii de coleoptere (Insecta: Coleoptera) întâlnite în Lunca Desnățuiului, sat Giurgița, comuna Giurgița, județul Dolj, România

SECTION III – ANIMAL BIOLOGY – VERTEBRATES

**The Natural Sciences Department
Exhibition room – 2nd floor**

2nd part: 17²⁰ – 19⁰⁰

Chaired by GACHE Carmen, PhD. - "Alexandru Ioan Cuza" University of Iasi, Romania

PETRESCU Angela, PhD. - "Grigore Antipa" National Museum of Natural History, Bucharest, Romania

VRABIE Valeria, BOGDAN Victoria, CIOCHINĂ Valentina

The comparative analysis of some representative bacteria of bird gut microbiota in urban and rural areas / Analiza comparativă a unor bacterii reprezentative ale microbiotei intestinale ale păsărilor din zonele urbane și rurale

GACHE Carmen, IGNAT Alina Elena

Bird fauna and the conservation status of some reservoirs in the middle basin of the Bârlad River (Romania) / Ornitofauna și statutul de conservare al unor lacuri de acumulare din bazinul mijlociu al râului Bârlad (România)

MESTECĂNEANU Adrian

The waterbirds of the Oești, Cerbureni and Curtea de Argeș dam basins (Argeș County, Romania) observed during 2023 / Păsările de apă ale lacurilor de acumulare Oești, Cerbureni și Curtea de Argeș (județul Argeș, România) observate în anul 2023

PETRESCU Angela, PETRESCU Ana-Maria, MATEI Petre Bogdan

A Catalogue of the collection of Tarsometatarsi (Aves) from the heritage of the "Grigore Antipa" National Museum of Natural History, Bucharest, Romania / Catalogul colecției de tarsometatarsuri (Aves)

din patrimoniul Muzeului Național de Istorie Naturală "Grigore Antipa"
București, România

SECTION IV – ECOLOGY- ENVIRONMENT PROTECTION

**The Natural Sciences Department
Conference room 2nd floor**

1st part: 15⁰⁰ – 16⁵⁰

Chaired by GAVRILESCU Elena, PhD. - University of Craiova, Faculty of Horticulture, Biology and Environmental Engineering Department
PETRIȘOR Alexandru-Ionuț, PhD. – “Ion Mincu” University of Architecture and Urbanism, Bucharest, Romania

MARINICĂ Andreea Floriana, MARINICĂ Ion, CHIMIȘLIU Cornelia, DIACONU Luminița

The warm winter of 2023-2024 in Southwest Romania – a climatic record / Iarna caldă 2023-2024 în sud-vestul României – record climatic

RUGINESCU Robert, BĂTRÎNESCU-MOTEAU Costin, NEAGU Simona, LUCACI Anca Ioana, COJOC Roxana, PODOSU (VLAD) Aurelia, ENACHE Mădălin

New bioplastic materials with biologically active properties under simulated commercial usage conditions / Materiale bioplastice noi biologic active în condiții simulate de utilizare comercială

MARIAN Sanda Adina, DUDĂU Daniela Liana, CIOBOIU Olivia, CORICI Sorin, COTĂRAN Vasile, ȘCHIOPU Cristina, CHIMEREL Mircea, STOICA Ioan-Oana

Assessment of the ecological status/ecological potential for designated water bodies on the Jiu River according to the water framework directive / Evaluarea stării ecologice/potențialului ecologic pentru corpurile de apă desemnate pe râul Jiu în contextul Directivei Cadru pentru Apă

DUDĂU Daniela Liana, MARIAN Sanda Adina, CIOBOIU Olivia, CORICI Sorin, COTĂRAN Vasile, ȘCHIOPU Cristina, CHIMEREL Mircea, STOICA Ioan-Oana

The impact of hydro-technical works on aquatic ecosystems. Study case: The Jiu River from the springs to the Danube confluence / Impactul lucrărilor hidrotehnice asupra ecosistemelor acvatice. Studiu de caz: râul Jiu izvor-confluentă Dunăre

**CIOBOIU Olivia, DUDĂU Daniela Liana, MARIAN Sanda Adina,
SIMULESCU Daniel**

Hydrobiological particularities of the area of national interest of Balta Cilieni, Bailesti from the Oltenia Plain / Particularități hidrobiologice ale ariei de interes național Balta Cilieni, Băilești din Câmpia Olteniei

SURUGIU Victor

The biology and ecology of the mudsnail *Ecrobia maritima* (Gastropoda: Littorinimorpha: Hydrobiidae) at the romanian Black Sea coast / Biologia și ecologia melcului *Ecrobia maritima* (Gastropoda: Littorinimorpha: Hydrobiidae) de la coasta românească a Mării Negre

CHIRIAC (MIHAI) Luiza-Silvia, CIOBOIU Olivia, MURARIU T. Dumitru

The complexity of the rhizosphere - The "unseen" part of the soil – A short review / Complexitatea rizosferei – partea „nevăzută” a solului – o scurtă revizie de literatură

ILIE Aurelian Leonardo, CIOBOIU Olivia, ILIE Lorena Cosma

Spiders in the cold season 2023-2024 from the North-Western part of Romania (Tinca Area, Bihor County) / Păianjenii în sezonul rece 2023-2024 din partea nord-vestică a României (zona Tinca, județul Bihor)

2nd part: 17²⁰ – 19⁰⁰

Chaired by GAVRILESCU Elena, PhD. - University of Craiova, Faculty of Horticulture, Biology and Environmental Engineering Department
ENACHE Mădălin, PhD. – Institute of Biology Bucharest of the Romanian Academy

STÎNGACI Aurelia, SCERBACOVA Tatiana, SAMOILOVA Anna

A study of the complex effectiveness of biological agents in apple orchards in terms of climate change in the Republic of Moldova / Studiul eficacității complexe a agenților biologici din livada de meri la schimbările climatice în Republica Moldova

VOICU Diana, CIOBOIU Olivia

Improvement of *in vitro* development of *Mentha piperita* L. and *Mentha longifolia* (L.) Huds. Varieties / Optimizarea dezvoltării *in vitro* la varietățile *Mentha piperita* L. și *Mentha longifolia* (L.) Huds.

**VOICU Diana, MITOI Monica, HOLOBIUC Irina, BANCIU Cristian,
VLADIMIRESCU Mihnea, CIOBOIU Olivia, HELEPCIUC Florența**

*In vitro induction and multiplication of callus cultures producing secondary metabolites in *Pimpinella anisum* species / Inducerea *in vitro* și multiplicarea culturilor de calus producătoare de metabolitii secundari la specia *Pimpinella anisum**

**ONETE Marilena, NICOARĂ Roxana Georgiana, MIHAI Luiza-Silvia,
CIOBOIU Olivia, MANU Minodora**

Biological and ecological attributes of plant species present in the pastures of some mountains in the South-West of the Fagaras Mountains / Însușiri biologice și ecologice ale speciilor de plante prezente în pășunile unor munți din sud-vestul masivului Făgăraș

ILIE Aurelian Leonardo, CIOBOIU Olivia, ILIE Lorena Cosma

Phenological anomalies regarding the flowering of spontaneous, subs spontaneous and cultivated plants in the Bihor County (Romania) during April 1, 2023 - August 1, 2024 / Anomalii fenologice privind înfloritul la plantele spontane, subs spontane și cultivate din județul Bihor (România) în perioada 1 aprilie 2023-1 august 2024

NICULESCU George, ROGOJANU Dumitru-Cătălin

Green solutions for sustainable cities / Solutii verzi pentru orașe sustenabile

**SECTION V – POSTERS
Natural Science Department
Exhibition room no. 1 - ground floor**

9³⁰ – 11³⁰

BOIU-SICUIA Oana-Alina, PARASCHIV Alina-Nicoleta

The influence of pesticides and biopesticides on sweet potato fusarium mold / Influența unor pesticide și biopesticide asupra putregaiului responsabil pentru fuzarioza cartofului dulce

DERJANSCHI Valeriu

The heteroptera's species (Hemiptera, Heteroptera) preserved in the entomological collection in the Museum of Institute of Zoology, State University of Moldova / Speciile de heteroptere (Hemiptera, Heteroptera) conservate în colecția entomologică din Muzeul Institutului de Zoologie, Universitatea de Stat din Moldova

TUGULEA Cristina

Contributions to the knowledge of diurnal butterflies (Lepidoptera: Papilionoidea) from Orhei National Park / Contribuții la cunoașterea fluturilor diurni (Lepidoptera: Papilionoidea) din Parcul Național Orhei

TÎMBURESCU Constanța, BORONTEA Ioana Cornelia, GOGA Ionelia Claudia

Studies on the morphological and microscopic appearance of the hydatid cyst (*Echinococcus granulosus*), the larval stage of the *Taenia echinococcus* cestode in cattle and pigs in Dolj County / Studii privind aspectul morfologic și microscopic al chistului hidatic (*Echinococcus granulosus*), stadiul larvar al cestodului *Taenia echinococcus* la bovine și porcine în județul Dolj

RIDICHE Mirela Sabina

Results regarding the classification of the museum items from the ornithological collection of the Oltenia Museum (Romania) / Rezultate privind clasarea bunurilor muzeale din colecția ornitologică a Muzeului Olteniei (România)

DUMITRACHE Cristina Alina, PURCĂREA Cristina

A brief review of methods of collecting and examining water bird nests / O scurtă analiză a metodelor de culegere și examinare a cuiburilor de păsări de apă

STANCU Daniela Ileana

The flora and vegetation of the Capra Glacier Cirque of the Făgăraș Massif / Flora și vegetația circului glaciar Capra, Masivul Făgăraș

DRĂGULEASA Ionuț-Adrian, CURCAN Gheorghe, MAZILU Mirela, CIOBOIU Olivia, MARINESCU Ioan Eustațiu

The evolution of urban green spaces (UGS) case study: South-West Oltenia Region / Evoluția spațiilor verzi urbane (UGS-uri). Studiu de caz: Regiunea Sud-Vest Oltenia

Saturday the 14th of September

09³⁰ – 11³⁰
POSTER PRESENTATIONS

11⁴⁵ – 13⁰⁰
DEBATES IN PLENUM AND FINAL CONCLUSIONS

**TABLE WITH THE AUTHORS OF THE PAPERS LISTED
IN THE SCHEDULE OF THE INTERNATIONAL SCIENTIFIC CONFERENCE
*THE MUSEUM AND SCIENTIFIC RESEARCH***

No.	Name and surname / Scientific title	Locality	Institution	E-mail address	Country
1.	ANDREI Gabriela / Ph.D.	Bucharest	"Grigore Antipa" National Museum of Natural History	arnold4386@yahoo.com	Romania
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10.	BOGDAN Victoria / Ph.D.	Chisinau	The Institute of Physiology and Sanocreatology, Moldova State University,	victoriabogdan@gmail.com	Moldova
11.	BOIU-SICUIA Oana-Alina / Ph.D.	Bucharest	University of Agricultural Sciences and Veterinary Medicine Bucharest, Faculty of Biotechnologies; Research and Development Institute for Plant Protection	sicuia_oana@yahoo.com	Romania
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14.	BRINDZA Jan / PhD.	Nitra	Slovak University of Agriculture in Nitra, Institute of Plant and Environmental Sciences, Faculty of Agrobiology and Food Resources	brindza.jan@gmail.com; jan.brindza@uniag.sk	Slovak
15.	BURDUJA Daniela / Ph.D.	Chisinau	Institute of Zoology, State University of Moldova	danavirlan3@gmail.com	Moldova
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22.	CIOCHINĂ Valentina / Ph.D.	Chisinau	The Institute of Physiology and Sanocreatology, Moldova State University	valentina.ciochina@gmail.com	Moldova
23.	CODREA A. Vlad / PhD.	Cluj - Napoca	Paleotheriology and Quaternary Geology Laboratory, STAR Institute, Babeş-Bolyai University Cluj-Napoca; Mureş County Museum, Natural Sciences Department Târgu Mureş; Tării Crişurilor Museum, Natural History Department, Oradea; Institute of Speleology 'Emil Racoviță' Bucharest	codrea_vlad@yahoo.fr	Romania
24.	COJOC Roxana / PhD.	Bucharest	Institute of Biology Bucharest of the Romanian Academy	roxana.cojoc@ibiol.ro	Romania
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