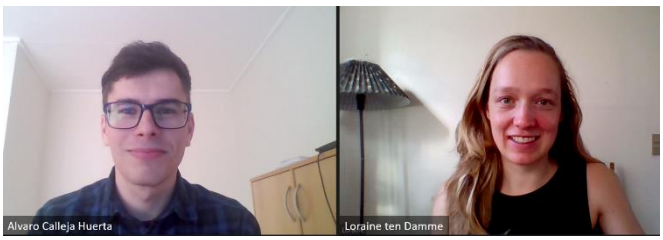
ISTRO INFO
NEWSLETTER
of the
International Soil Tillage Research Organisation

Lars J. Munkholm

It is a great pleasure to announce the new ISTRO Branch in Bulgaria. It is not very new, as it has been in action since 2016 (see notice below). At present, ISTRO has six active branches: Bulgaria, Serbia, Croatia, Czech Republic, Hungary, Nigeria and Uruguay, and four active working groups: Conservation Soil Tillage, Subsoil Compaction, Controlled Traffic Farming and Visual Soil Examination and Evaluation.

I would also like to welcome Alvaro Calleja Huerta as the new ISTRO INFO assistant. Alvaro is a PhD student in soil compaction at Aarhus University studying the impact of using lightweight robots. Alvaro takes over from Loraine ten Damme, who will defend her thesis in a few weeks. Loraine will continue with soil compaction research in a postdoc position at SLU, Sweden in collaboration with Thomas Keller.




## ⌘ ISTRO Board election - results

We can hereby announce the result of the election for the open ISTRO Board positions. The number of votes received was 67. The elected were Rachel M.L. Guimaraes, Brazil; Joséphine Peigné, France and Ying Zhao, China. The election also confirmed that Joshua O. Olaoye, Nigeria, takes over as President-elect and that José Dörner, Chile, takes over as Assistant Secretary General.

The new ISTRO Board after the coming General Assembly will be:

President: Mark Reiter, USA
President-elect: Joshua O. Olaoye, Nigeria
General Secretary: Lars J. Munkholm, Denmark
Assistant Secretary General: José Dörner, Chile
Treasurer: Stephen A. Prior, USA

Board members:
Danijel Jug, Croatia
Guillermo Siri-Prieto, Uruguay
Rachel M.L. Guimaraes, Brazil
Joséphine Peigné, France
Professor Ying Zhao, China

I look very much forward to collaborate with the new board and are very pleased about the fine geographical spread and a much improved gender balance.

Lars J. Munkholm

## ⌘ ISTRO~~2021~~/2022 22nd ISTRO International Conference - update

*New dates*: 22-26 May 2022

*Same venue*: Dublin, Ireland




While the public health and travel situation remains somewhat uncertain, the local organisers and Board have agreed on new dates for ISTRO2022. The optimism about vaccine development and roll-out seems to have been well founded, but it does remain somewhat uncertain how well the situation will develop. Despite this, planning for the 22nd ISTRO international Conference (now ISTRO2022) is progressing and the conference will take place from 22-26 May 2022 in Dublin Ireland. The conference organisers will confirm the registration, paper submission and practical details in May/June 2021. We hope that ISTRO members and their colleagues will be confident to travel and meet safely next year.

The theme of the conference remains 'Soil and tillage and the transition to digital agriculture.' We will be

welcoming contributions on basic and applied soil and tillage research, but we are looking for contributions related to digital agriculture technologies (data, sensors, networking, earth observation, recommender systems and so on) so please encourage colleagues and collaborators to consider presenting their work at ISTRO2022. Please plan to prepare and submit your contribution to the conference, whether oral presentation or poster as soon as we open the call in the middle of the year.

We look forward to seeing as many ISTRO members, their colleague and collaborators in Dublin in 2022.

## ⌘ The Bulgarian ISTRO Branch – update

The Bulgarian branch of ISTRO was established on the initiative of Prof. Dr. Kiril Stoynev, who was its honorary chairman. Unfortunately, he died in 2018. Our branch was registered as a non-profit scientific society by Prof. Totka Mitova, who was its long-term chairman.

Since 2016, the management of the branch consists of:

Chairman - Dr. Prof. Ivan Dimitrov

Secretary - Dr. Ch. Assistant Martin Nenov

Treasurer- Dr. Assistant Iliyana Gerasimova

Our branch of ISTRO currently has 14 members: 7 Professors, 4 Assoc. Professors and 3 assistants. I am pleased to announce that 7 of them are young scientists. The branch has scientists from several organizations: N. Pushkarov Institute of Soil Science, Agrotechnologies and Plant Protection, University of Forestry, Sofia, Dobrudja Agricultural Institute, Institute of Maize, Institute of Viticulture and Enology of Pleven and Technical University of Varna.

Our branch actively participates in scientific and applied activities in the field of agricultural science. Five members have independent studies in the monograph "Soil organic matter and soil fertility in Bulgaria". Our members participated in several organized seminars in the field of soil science and agriculture, such as on the problems of Chernozem soils and agriculture in northwestern Bulgaria. The materials are published in books. Our members gave lectures on training young farmers. Our participation is in developed scientific and applied projects, such as a new biotechnological method for biological reclamation of areas disturbed by coal mining; Technological regulation for use of gypsum from desulphurization installations of TPP for reclamation of saline soils; soil tillage systems, agro-technical and agromeliorative solutions for soils with impaired agricultural production and technological properties; Agrotechnical solutions for maintaining soil fertility" etc. Our members have participated in research teams developed technologies for the production of field crops.

Unfortunately, we did not have the opportunity to actively participate in international events for obvious reasons.

We planned to organize a conference on new technological solutions in tillage and crop nutrition, but due to the pandemic, it could not consist. We intend, if we find sponsors, for this scientific conference to be with international participation.

Chairman: Prof. Ivan Dimitrov

## ⌘ Upcoming Meetings and Events

**-- 2021 --**

**March 2021**

Soil Science Society of Nigeria (SSSN), 45th Annual Conference, March 15-19, 2021, in Ebeano, Nigeria. Webpage: https://soilsnigeriaconference.com/

**April 2021**

The Global Symposium on Soil Biodiversity, 'Keep soil alive, protect soil biodiversity, April 19–22, 2021, Online. ***NEW DATE*** Webpage: http://www.fao.org/about/meetings/soil-biodiversity-symposium/en/

EIP-AGRI seminar 'Healthy soils for Europe', April 13-14, 2021, Online. ***NEW DATE*** Webpage: https://ec.europa.eu/eip/agriculture/en/event/eip-agri-seminar-healthy-soils-europe-sustainable

**May 2021**

First IUSS Conference on Sodic Soil Reclamation Monday, by the International Union of Soil Sciences. May 10-12 in Changchun, China. Website: http://ssr.csp.escience.cn/dct/page/65578

3rd ISMC Conference: Advances in Soil Systems Modelling, May 18-22, 2021, Online. Webpage: https://soil-modeling.org/ismc-conference

Intersol 2021: Soils: Opportunities for the Transition of Territories, May 18-20, 2021 in Paris, France. Webpage: https://www.webs-event.com/en/event/intersol/accueil

9th National Symposium on Control of Soil Degradation and Recovery, May 24-25, 2021, Online. ***NEW DATE,*** Website: https://condegres.es/

**June 2021**

5th International Conference on Contaminated Land, Ecological Assessment and Remediation CLEAR2020, June 9-11 in London, United Kingdom. Website: http://clear2020.mdx.ac.uk/

8th World Congress on Conservation Agriculture, June 21–25, 2021 Online and in Witzwil/Bern, Switzerland. ***NEW DATE*** Webpage: https://8wcca.org/

Soils Conference 2021, 'Soils, investing in our future', June 27–July 2, 2021, in Cairns, Queensland, Australia.Webpage:https://www.soilscienceaustralia.org.au/2021-joint-conference/

**August 2021**

Eurosoil 2021. August 23–27, 2021, Online. Webpage: http://eurosoil2020.com/

**September 2021**

Global Symposium on Salt-Affected Soils, September 13-16, 2021, in Tashkent, Uzbekistan. Webpage: http://www.fao.org/global-soil-partnership/resources/events/detail/en/c/1264612/

20th International and 9th Americas Conference organised by the International Society for Terrain-Vehicle Systems, September 20-23, in Montréal, Québec, Canada. Webpage: https://conference.istvs.org/

**October 2021**

3rd Annual Congress on Plant Science & Biosecurity, October, 7–9, 2021 in Osaka, Japan. Webpage: https://plantbiology-biotechnology.com/

International Soil Classification Congress, October 14–22, 2021, México. Webpage: http://iscc2020.org/

**November 2021**

ASA, CSSA & SSSA International Annual Meeting, November 7-10, 2021, in Salt Lake City, Utah, USA. Webpage: https://www.acsmeetings.org/

1st International Joint Congress on Sustainable Management of Cultural Landscapes in the context of the European Green Deal, November 10-14, in Santo Stefano di Camastra, Italy. ***NEW DATE***

Webpage: https://www.ecocycles.net/ESSC-EURECYS-Congress/

9th International Acid Sulfate Soils Conference, November 21-26, 2021, in Adelaide, Australia. Webpage: https://biological.adelaide.edu.au/acid-sulfate-soil/iassc/

**December 2021**

World Soil Day – Halt soil salinization, Boost soil productivity. December 5, 2021, in Rome, Italy. Webpage: http://www.fao.org/world-soil-day/en/

**--2022—**

**May 2022**

Global Symposium on Soil Fertility. May 2-5, 2022, in Rome, Italy. Webpage: http://www.fao.org/global-soil-partnership/resources/events/detail/en/c/1309843/

XXIII Latin-American Congress of Soil Sciences (XXII CLACS). May 22, 2022, in Florianópolis. Brasil. ***NEW DATE.*** Webpage: https://www.slcs.org.mx/

22nd ISTRO International Conference on Agriculture: the role of soil and tillage research and innovation in the transition to digital agriculture May 22-26, 2022, in Dublin, Ireland: ***NEW DATE***.

Global Conference on Sandy Soils – Properties and Management. May 30th to June 3rd, 2022, in Madison, USA. Webpage: https://sandysoils.org/

**July 2022**

22nd World Congress of Soil Science – Crossing boundaries, changing society. July 31st to August 5th, 2022, in Glasgow, UK. Webpage: https://22wcss.org/

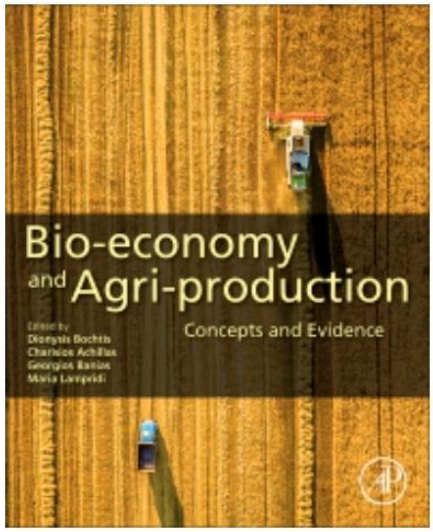
**October 2022**

10th International Symposium on Forest Soils. October 17-22, 2022, in Hangzhou, China. Webpage: http://isfs2021.csp.escience.cn/dct/page/1

## ⌘ New Books

**Bio-economy and Agri-production: Concepts and Evidence 1st Edition**

**Editors:** D. Bochtis, C. Achillas, G. Banias, M. Lampridi



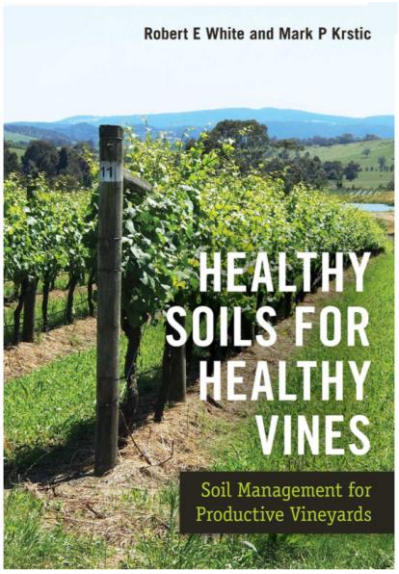

*Bio-Economy and Agri-Production: Concepts and Evidence* bridges the knowledge gap between sustainability and bio-economy aspects of agri-production. It complements traditional perspectives of agri-production with advanced engineering, information and communication technologies recently applied in agri-business. Including knowledge based agriculture and reflecting sustainability and circular economy principles, the book presents a holistic view of sustainable bio-economy, contributing to the development of integrated agricultural systems. As technology advances, agricultural production management practices are now being called upon to address the need for sustainability in the bio-economy.

**More information on this book**:

https://www.elsevier.com/books/bio-economy-and-agri-production/bochtis/978-0-12-819774-5

**Healthy Soils for Healthy Vines: Soil Management for Productive Vineyards**

**Editors:** R. White, M. Krstic



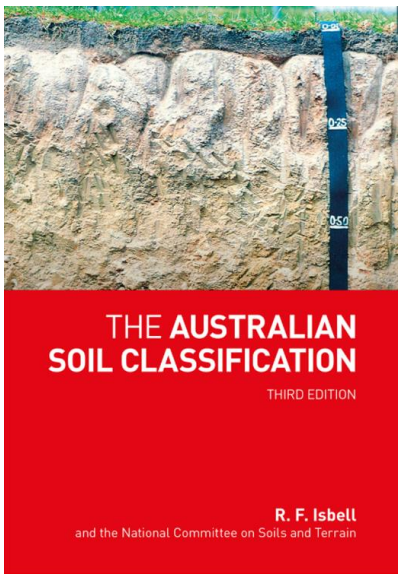

*Healthy Soils for Healthy Vines* provides a clear understanding of vineyard soils and how to manage and improve soil health for best vineyard performance. It covers the inherent and dynamic properties of soil health, how to choose which soil properties to monitor, how to monitor soil and vine performance, and how vineyard management practices affect soil health, fruit composition and wine sensory characters. It also covers the basic tenets of sustainable winegrowing and their significance for business resilience in the face of a changing climate.

**More information on this book**:

https://www.publish.csiro.au/book/7706/

**The Australian Soil Classification 3rd Edition**

**Editors:** R. F. Isbell and the National Committee on Soil and Terrain.




The Australian Soil Classification provides a framework for organising knowledge about Australian soils by allocating soils to classes via a key. This third edition of The Australian Soil Classification includes updates from a working group of the National Committee on Soil and Terrain (NCST). The main change in this edition accommodates new knowledge and understanding of the significance, nature, distribution and refined testing for soils comprising deep sands, leading to the inclusion of a new Order, the Arenosols. The introduction of the Arenosols Order led to a review and changes to Calcarosols, Tenosols and Rudosols.

**More information on this book**:

https://www.publish.csiro.au/book/8016/

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