

Lars J. Munkholm

☞ The 21st International ISTRO Conference in Paris

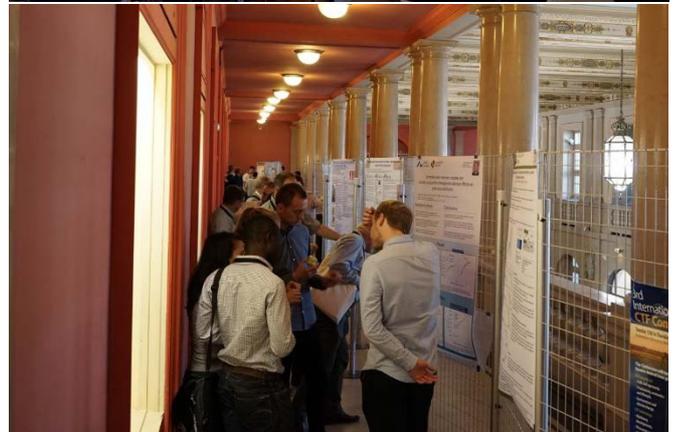
Congratulations to Jean Roger-Estrade, Hubert Boizard and their team for organising an excellent 21st ISTRO conference in Paris. The conference was attended by around 250 participants from 39 countries. It included more than 120 oral and 90 poster presentations. The conference also included well-attended Working Group meetings, a presentation by Marianna Taffi and Editors-in-Chief (Rainer Horn, Elke Noellemeyer and Xinhua Peng) of Soil & Tillage Research journal as well as company presentations by Michelin and Eijkkamp.



Group photo



Keynote session.



Oral (top) and poster (middle) presentations, break (bottom).

⌘ Mid-week tour

The mid-week tour included a very interesting visit to the Arvalis Centre, Boigneville and the beautiful Fontainebleau Castle.



Hubert Boizard showing the profile cultural method in no-till plot at Arvalis.



Demonstration of different generations of Michelin tractor tires



Mini 3D soil profile for visual evaluation.



ISTRO members enjoying the sun and beautiful view of the Fontainebleau castle.

⌘ Secretary General report to the 15th General Assembly

Blair McKenzie (Secretary-General) noted that ISTRO has 5 (very) active branches: Croatia, Czech Republic, Hungary, Nigeria, Uruguay and three active working groups: Soil Structure, Subsoil Compaction, Controlled Traffic Farming and Visual Soil Examination and Evaluation. ISTRO continues as a partner in the FAO Global Soil Programme. Blair also stressed that the new board will have very good geographic spread, but a skewed gender distribution. He noted that ISTROINFO has been emailed quarterly in last 3 years (and made available on the website). A few email shots under the heading ISTROEXTRA have been distributed.

Blair thanked the outgoing members of the ISTRO Board, Xinhua Peng and José Terra and welcomed the new members Danijel Jug, Croatia and Guillermo Siri Prieto, Uruguay. They will join the new board that also includes: President Nicholas Holden, President-Elect Ranjan Bhattacharyya, Past-President Jean Roger-Estrade, Secretary General Blair McKenzie, Treasurer Steve Prior, Assistant Secretary General Lars J. Munkholm, Hubert Boizard and Joshua Oloyae.



Past, present and future ISTRO Secretary Generals (Jan van den Akker, Douglas Karlen, Blair McKenzie and Lars J. Munkholm)

⌘ New Honorary Members

Rainer Horn and Bruce Ball were approved as honorary members of ISTRO. Rainer Horn has served ISTRO for many years – organizing the 2006 conference in Kiel, Editor-in-Chief of Soil & Tillage Research and a leading person in the Subsoil Compaction working group.

Bruce Ball helped organize the 1988 conference in Edinburgh and a leading figure in Visual Soil Examination and Evaluation working group, which he chaired for a number of years.



Rainer Horn together with Jean Roger-Estrade.

⌘ Scholarship winners of the 21th ISTRO conference

ISTRO sponsored 4 scholarship winners to participate in the Paris conference. The winners were: Joanne Cloy (Cees van Ouwerkerk award) (top picture), Peter Bilson Obour (2nd picture), Raman Jeet Singh (3rd picture) and Mehdi Rahmati (4th picture).





own website (linked to the main ISTRO website) at www.controlledtrafficfarming.com with reports, newsletters and links to their own facebook page. See announce for the 3rd International CTF conference below.

⌘ New Working Group on Conservation Soil Tillage

Danijel Jug has taken the initiative to start a new working on Conservation Soil Tillage (CST). The working group (WG) will focus on CST in relation to soil and water Management, climate change, plant nutrition, tillage tools and implements, crop protection etc.

Everyone interested (ISTRO members and others) in participating in the work of the WG CST please send an email with basic personal information (e.g., Name/Surname, email address, Field of interest, Institution, Region/Country etc.) and with notes "I am interested to be a member of WG CST".

Contact: info@hdpot.hr or danijel@hdpot.hr

⌘ New Editor-in-Chief of Soil & Tillage Research



September 1st Dr. Boris Jansen, University of Amsterdam, joined the group of Editors-in-Chief of *Soil Tillage & Research*.

Elsevier writes: Doctor Boris Jansen is currently an Associate Professor of Soil Chemistry at the Institute for Biodiversity and Ecosystem Dynamics (IBED), Chair of the Soil Chemistry Commission of

⌘ Working Groups

At the Paris conference working group meetings were held. The working groups consist of ISTRO members who are interested in exchanging ideas and collaborating in a particular ISTRO-relevant topic. Any ISTRO member is welcome to join any of the working groups (there is no cost) and can do so simply by contacting the Chair or Secretary of that working group. Currently there are three active working groups.

Working group B, Subsoil compaction remains active but the leadership has not been settled yet.

Working group F, Visual Soil Examination and Evaluation has Chair Rachel Guimarães (rachelguimaraes@utfpr.edu.br) Lars J. Munkholm (lars.munkholm@agro.au.dk).

Working group K, Controlled Traffic Farming is organised by Tim Chamen (Tim.Chamen@btconnect.com). This group runs its

the International Union of Soil Sciences (IUSS), and Director of the Bachelor program Future Planet Studies at Amsterdam University. He has a PhD in Physical Geography of the University of Amsterdam with specialisation in molecular dynamics of soil organic matter (SOM) with particular interest in the study of molecular dynamics of SOM on the context of the UN Sustainable Development Goals, and investigation of the interrelation with human influence, e.g., in the form of land-use change.

He is also serving as topical Editor of Soil Journal and plays an active role in the General Board of the Dutch Soil Science Society, and the Board of The Netherlands Journal of Geosciences Foundation.

☞ 22nd ISTRO Conference, Dublin, Ireland

The 22nd ISTRO Conference will be held at University College Dublin in Summer 2021. More information will follow in the next ISTROINFO's



Jean Roger-Estrade hands over the President position to Nick Holden.

☞ Upcoming Meetings and Events

November 2018

International Soil Modeling Consortium conference on “New perspectives on soil models”. November 5–7 in Wageningen, The Netherlands.

Australian National Soils Conference 2018 on “Soil: The key to the Past, the Present and the Future”. November 18–23 in Canberra, Australia.

Webpage: <http://soilscienceconference.org.au/>

December 2018

The 13th International Conference of ESSS - Management of Water and Soil Resources under Global Climate Changes. December 4–5 in Dokki, Giza, Egypt.

Webpage: <http://www.esss.org.eg/>

January 2019

SSSA International Soils Meeting. January 6–9 in San Diego, California, USA.

Webpage: <https://www.sacmeetings.org/>

February 2019

3rd International Controlled Traffic Farming Conference, Federation University, Ballarat, Victoria, Australia, February 12–14 2019. Webpage:

<https://www.internationalctfconference.com.au/>

March 2019

Intersoil 2019 - International Conference on Soil, Sediments and Water. March 26–28, 2019 in Lille, France.

Webpage: <https://www.intersol.fr/>

April 2019

EGU General Assembly 2019. April 7–11, 2019 in Vienna, Austria.

October 2019

7th International Symposium on Soil Organic Matter, Hilton Adelaide, 6 – 11 October 2019

Webpage: <https://www.egu2019.eu/>

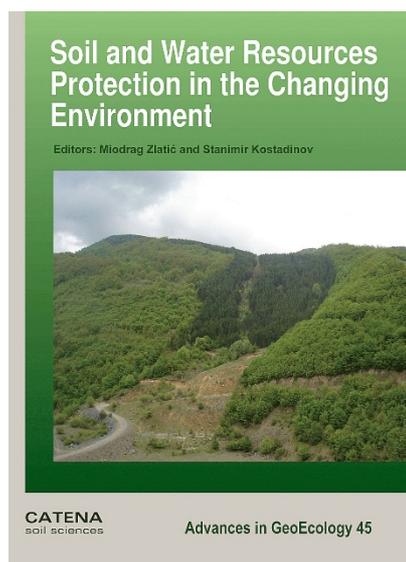
August 2020

Eurosoil. 24–28 AUGUST 2020 in Geneva, Switzerland. Webpage: <http://eurosoil2020.com/>

New Books

Soil and water resources protection in the changing environment

Editors: Miodrag Zlatic; Stanimir Kostadinov



This book contains a selection of peer-reviewed contributions to the 3rd Conference of the World Association of Soil and Water Conservation (WASWAC), held in Belgrade in Serbia, August 22-26, 2016.

More information on this book:

<https://www.schweizerbart.de/publications/detail/isbn/9783510654185#t10206>

Soil and Sustainable Development Goals

Editors: Rattan Lal; Rainer Horn; Takashi Kosaki



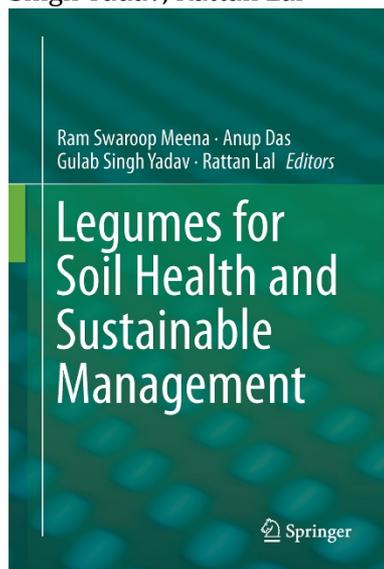
This book aims to document the importance of soil and soil protection to reaching these Sustainable Development Goals (SDGs). Its fifteen chapters, authored by experienced and knowledgeable researchers from around the world, synthesize the knowledge and state-of-the-science and link soil properties and processes to specific SDGs

More information on this book:

<https://www.schweizerbart.de/publications/detail/isbn/9783510654253>

Legumes for Soil Health and Sustainable Management

Editors: Ram Swaroop Meena, Anup Das, Gulab Singh Yadav, Rattan Lal



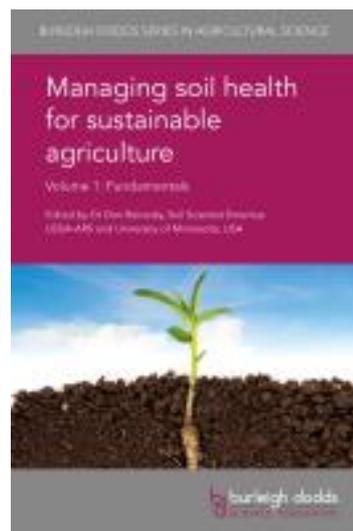
This book explores the impacts of legumes on soil health and sustainability, structure and functioning of agro-ecosystems, agronomic productivity and food security, BNF, microbial transformation of soil N and P, plant-growth-promoting rhizobacteria, biofertilizers, etc

More information on this book:

https://www.springer.com/gp/book/9789811302527?wt_mc=Alerts.NBA.EN.2018-08&utm_source=nba&utm_medium=email&utm_content=en_2018-08&utm_campaign=3_23901395

Managing soil health for sustainable agriculture Volume 1

Editor: Dr Don Reicosky



There is a growing concern that both intensive agriculture in the developed world and rapid expansion of agriculture in the developing world is damaging soil health. This volume reviews advances in our understanding of soil structure and dynamics which form the foundation for effective soil management.

Managing soil health for sustainable agriculture Volume 2

Editor: Dr Don Reicosky



Soil health is critical to a successful agriculture. This second volume reviews ways of classifying and measuring soils and their properties. It then

discusses ways soil health can be maintained or enhanced to ensure sustainable agricultural production, as well as regional case studies of managing soil health in practice.

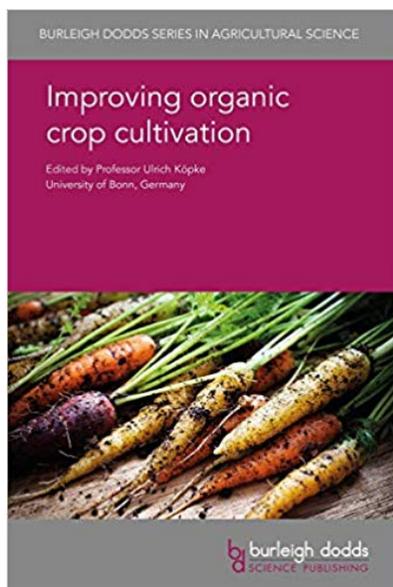
More information on the books [here](#).

Reminder:

Special **20% discount** on volume 1 & 2 for ISTRO Members. (Please use promotion code: **ISTRO20**) or use the Librarian Recommendation form at <http://bdspublishing.com/library>

Improving organic crop cultivation

Editor: Prof. Ulrich Köpke



This volume reviews the wealth of research addressing these challenges. Part 1 reviews developments in improving cultivation across the value chain, from breeding more robust, low input varieties to ways of maintaining soil health and improving crop nutrition. Part 2 discusses the key topic of pests and diseases with reviews of integrated pest and weed management as well as organic plant protection products. Part 3 covers ways of monitoring the environmental impact of organic farming whilst the final part of the book discusses ways of supporting organic cultivation in the developing world

More information on this book:

<https://shop.bdspublishing.com/checkout/Store/bds/Detail/WorkGroup/3-190-56324>

Novel Methods and Results of Landscape Research in Europe, Central Asia and Siberia



RUSSIAN ACADEMY OF SCIENCES
FSBSI «ALL-RUSSIAN RESEARCH INSTITUTE OF AGROCHEMISTRY
NAMED AFTER D.N. PRYANISHNIKOV»

Main editors: Viktor G. Sychev and Lothar Mueller

NOVEL METHODS AND RESULTS OF
LANDSCAPE RESEARCH IN EUROPE, CENTRAL
ASIA AND SIBERIA

Monograph in 5 Volumes

Vol. I Landscapes in the 21st Century: Status
Analyses, Basic Processes and Research Concepts

With friendly support of the Mitscherlich Academy for Soil Fertility
(MITAK), Paulinenau, Germany

Moscow 2018

More than 800 scientists from more than 30 countries around the world contributed to this

monograph headed by Lothar Mueller and Viktor G. Sychev.

The dramatic changes in all of our planet's landscapes and ecosystems since the beginning of the Anthropocene around 50 years ago gave occasion to characterize the status of research and innovative concepts and methods for understanding, observing and developing landscapes in the 21st century. In short chapters, leading international research groups and authors present essential methods and results of their work. The editors and authors understand landscape research as a complex subject of research, which can lead to sustainable solutions by means of disciplinary, multi-disciplinary and trans-disciplinary approaches. Sustainable use of soils plays a key role in the development of landscapes. Many ISTRO-members have contributed to this monograph. The monograph includes nearly 2000 printed pages, subdivided into 5 volumes, with the themes

- Vol I: Landscapes in the 21th Century: Status Analyses, Basic Processes and Research Concepts
- Vol II: Understanding and Monitoring Processes in Soils and Water Bodies
- Vol III: Landscape Monitoring and Modelling
- Vol IV: Optimising Agricultural Landscapes
- Vol V: Landscape Planning, Management and Rehabilitation

An essential concern of the editors was to create a first platform for the exchange of information and for future cooperation between Russian and English-speaking scientists, decision-makers and other interested parties. The short contributions of the authors are partly in English, partly in Russian with title, summaries and keywords in the other language and with conclusions in imperative style.

The monograph was printed under the responsibility of the Pryanishnikov Institute of Agrochemistry of the Russian Academy of Sciences. The Mitscherlich Academy for Soil Fertility (MITAK) GmbH, Germany, and the EvroChim Company (Russia) supported and promoted the development and printing of the monograph.

The electronic version of the compilation in pdf format can be viewed and downloaded in the form of individual contributions from the homepage of the Pryanishnikov Institute of Agrochemistry, Moscow, Russia.

Here are the links:

Vol I <http://www.vniia-pr.ru/monografii/tom1.htm>

Vol II <http://www.vniia-pr.ru/monografii/tom2.htm>

Vol III <http://www.vniia-pr.ru/monografii/tom3.htm>

Vol IV <http://www.vniia-pr.ru/monografii/tom4.htm>

Vol V <http://www.vniia-pr.ru/monografii/tom5.htm>

The editors and most of the authors will continue the comprehensive publication project in the framework of a new book series "Innovations in Landscape Research", Springer International, in the coming years.

ISTRO INFO is the newsletter of the **International Soil Tillage Research Organisation**. (www.istro.org).

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