

CLUB *OF* BOLOGNA

strategies for the development of agricultural mechanisation

<http://www.clubofbologna.org/>

32nd Annual Meeting of the Club of Bologna

“Agricultural Mechanization: Urgency for Food Security”

November 12-13, 2023

AGRITECHNICA 2023 – Hannover, GERMANY

[\(https://www.agritechnica.com/de/\)](https://www.agritechnica.com/de/)

CONVENTION CENTRE

Room 15/16

AGENDA

Sponsored by



Italian Agricultural Machinery
Manufacturers Federation

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<http://www.dlg.org/>

Sunday, Nov 12 - Convention Centre, Room 15/16

h 8.30	Transfer by train from Maritim Airport Hotel to AGRITECHNICA (meeting point: hotel hall)
h 9.45÷10.15	WELCOME ADDRESSES AND OPENING SESSION Maria Teresa Maschio (FEDERUNACOMA President), Lothar Hövelmann (DLG Managing Director) Opening statement by Paolo Balsari President of the "Club of Bologna"
SESSION 1 – AGRICULTURAL USED AREA (AUA) DECREASE, WORLD POPULATION INCREASE, CLIMATE CHANGE: ROLE OF MECHANIZATION CHAIRMAN: Danilo Monarca (Club of Bologna Management Committee) – RAPPORTEUR: Alireza Pourreza	
h 10.15÷10.35	1.1 – AUA and world population increase: present and future situation Riccardo Valentini (University La Tuscia - Italy)
h 10.35÷10.55	1.2 – Climate change and agriculture: from challenges to solutions Monia Santini (Centro Mediterraneo Cambiamenti Climatici – CMCC Foundation)
h 10.55÷11.10	Coffee break (Foyer Room 15/16)
h 11.10÷11.30	1.3 – Food-waste, food-loss and new bio-economy models to solve the problem Gianluca Brunori (University of Pisa - Italy)
11.30÷11.50	1.4 – Agricultural mechanization, one of the solutions making it possible to reconcile the scarcity of agricultural land, a decline in the number of farmers and an increase in the world population in a context of climate change Emmanuel Hugo (INRAe – France)
h 11.50÷12.30	Session 1 Discussion and Key-Sentences drawing up
h 12.30÷13.30	Lunch (Foyer Kaskaden)
SESSION 2 – PREDICTIVE AND LONG DISTANCE MAINTENANCE CHAIRMAN: Axel Munack (Club of Bologna Management Committee) – RAPPORTEUR: Dana Choi	
h 13.30÷13.50	2.1 – Soil tillage: predictive maintenance in the Agritech world Andrea Ruffin (Maschio-Gaspardo - Italy)
h 13.50÷14.10	2.2 – Combined physical and AI-based predictive maintenance for components Walter Lehle (Robert Bosch - Germany)
h 14.10÷14.30	2.3 – The human factor in a data-driven service process: Support vs. supervision for CLAAS tractors Axel Holtkotte (Claas GmbH– Germany)
h 14.30÷14.45	Coffee break (Foyer Room 15/16)
h 14.45÷15.25	Session 2 Discussion and Key-Sentences drawing up
h 15.25÷18.00	FREE VISIT TO AGRITECHNICA 2023
h 18.30	Transfer by train: from AGRITECHNICA to the Maritim Airport Hotel

Monday, Nov 13 - Convention Centre, Room 15/16

h 8.15	Transfer by train from hotel to AGRITECHNICA (meeting point: hotel hall)
SESSION 3 - SPECIFIC MECHANIZATION: MACHINES FOR SUGAR BEET AND POTATO CHAIRMAN: Peter Schulze Lammers (University Bonn – Germany) – RAPPORTEUR: Dana Choi	
h 9.45÷10.05	3.1 – Global sugar beet cultivation, sugar market, sugar companies Heinrich-Hubertus Helmke (Dachverband Norddeutscher Zuckerrübenanbauer e. V. DNZ - Germany)
h 10.05÷10.25	3.2 – European market, mechanization and postharvest processing of potatoes Rolf Peters (Potato Research Station Munster - Germany)
h 10.25÷10.40	Coffee break (Foyer Room 15/16)
h 10.40÷11.00	3.3 - Harvest quality, soil conservation and costs in the potato harvesting - where is the journey heading? Potato harvest trends Rupert Geischeder (ROPA Sittelsdorf – Germany)
h 11.00÷11.20	3.4 - Technology and mechanization of sugar beet harvest Michael Gallmeier (HOLMER Schierling/Eggmühl, group EXEL – France)
h 11.20÷11.50	Session 3: Discussion and Key-Sentences drawing up
h 11.50÷12.50	STUDY GROUPS (SG) ACTIVITIES - Reports by the SG Coordinators SG1 Sustainable agricultural mechanization in Africa - Global Conference on Sustainable Agricultural Mechanization - Brief Review - J. DeBaerdemaeker; J. Kienzle SG2 Dissemination – D. Monarca SG3 Ethics of the future agricultural mechanization development - Focus on the new EU AI Act (AIA) - P. Pickel SG4 Evaluation of the incentives for the improvement of the agricultural mechanization in the World - E. Hugo Short Communication: India's vision on Agri Technology – TR Kesavan CLOSING SESSION - Programme of CoB activities for the 2024
h 12.50-13.30	Lunch (Foyer Room 100 - downstairs)
h 13.30	FREE VISIT TO AGRITECHNICA 2023