

WORKSHOP 1

Selection and genetic progress. Which solutions to face new challenges?



1st part

Breeding grain sorghum hybrids: successes, opportunities and challenges

- **Prof David Jordan**, Professor, University of Queensland, Brisbane, Australia

Challenges and breeding strategies to improve the tolerance of sorghum to abiotic stress in Europe

- **Dr Steffen Windpassinger**, Selection Department, University Justus-Liebig, Germany

Zoom on 3 original studies

- **Paul Chege**, PhD student, Szent István University Hungary, **Dr Walter De Milliano**, , Hoes, Dierkensteen Netherlands, **André Schaffasz**, University Justus-Liebig , Germany

Roundtable: What are the new objectives for breeding to improve yields and profitability of sorghum in Europe?

- **Prof David Jordan**, **Dr Steffen Windpassinger**, 2 sorghum producers and a processor

2nd part

Genetic diversity of sorghum in Russia

- **Dr Vladimir Kostunov**, Institute Donskoy in Rostov, Russia

Conception of multi-criteria sorghum ideotypes adapted to climate changes and to new societal challenges: consequences for phenotyping and plant modelisation.

- **Dr Alessandra Fracasso**, Unicatt Italy, **Dr Delphine Luquet**, CIRAD, France,

Turbocharging genetic gain with new breeding technologies

- **Prof Ian Godwin**, Professor in plant molecular genetics, University of Queensland, Brisbane, Australia

Zoom on one or two original studies:

- **Quentin Devaud**, Breeder, Eurosorgho, France: Biomasse project for the future

Roundtable:

How to structure an experimentation network dedicated to sorghum in Europe?

- **Dr Vladimir Kostunov**, **Dr Steffen Windpassinger**, **Dr Delphine Luquet**

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WORKSHOP 2

Agronomy, economy, environment: how can sorghum maximise its opportunities?



Implantation techniques in Europe

- **Jean-Luc Verdier** *Regional engineer, manager of the sorghum chain, Arvalis Vegetal Institute, France*
- **Yaroslav Bardin** *Ukrsorgo, Director, Ukraine*
- **Dr Kalin Slanev** *Agricultural engineer, Agricultural technical institute of Shumen, Bulgaria*

Weeding in Europe, challenges and solutions

The assets of sorghum in crop rotation

- **Prof Nick Van Eekeren** *Louis Bolk Institute, Bunnik, Netherlands*

Management of water resources with the help of sorghum

- **Loretta Serafin** *Specialist of cultivation in dry conditions, Calala, Australia*

Sorghum economy in European farms

- **Marc Varchavsky** *Manager of Economic Council, CER, France*
- **Yannick Carel** *Research Officer, Economy and production systems - Arvalis*
- **Gautier Maupu** *Agritel, Ukraine*
- **Dumitru Manole** *Romanian representative*
- **Alessandro Ragazzoni** *Bologna University, Italy*

Testimony of European sorghum grain producers:

- Grain: **Yvon Parayre**, *France* and **M. Bergami**, *Italy*
- Fodder / Methanisation: **M. Mengoli**, *Italy*
- Methanisation: **Benoît Cassoulet**, *farm manager, France*

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WORKSHOP 3

Which structural outlets and new outlets to secure sorghum production in Europe?



Introduction. Presentation of different types of sorghum

- **Dr Magdalena Buschmann**, *Manager of the sorghum and sunflower markets, KWS, Germany.*

1st part

How to remove obstacles for sorghum harvesting ?

- Organising sorghum harvesting at the scale of a territory :
Clément Roux *Arterris agricultural cooperative, France*
- Producers-processors-breeders partnerships, for a local distribution channel:
Mrs Anghel *(Combavipor, Director, Romania)* and **Mr Spiridon** *(Zorin SRL, Director, Romania)*
- Local valorisation of silage sorghum in biogas
Société Coprob and **Mr Musini**, *Italy*

Using sorghum for broilers, consequences on growth and meat quality

- **Mihaela Habeanu** and **Anca Gheorghe**, *Research service INCDBNA – IBNA Balotesti, Romania*

2nd part

Which assets of sorghum should be put forward in animal feed and human food? The assets of sorghum in animal feed

- **Alexandre Calandro**, *IDENA, France*

Roundtable: sorghum in human food

- Sorghum flour: **Massimiliano Carraro** *of Martini mills*
- Sorghum-based cookies: **M. Fiorentini**
- Sorghum milk: **ISOLA BIO** company
- Gaia beer: **Tiziano Tanzi** *Society OTTODISETTEMBRE*
- Sorghum pasta: **Monia Caramma** *Agricoltura Biologica company*

Zoom: Optimising the extraction of the natural colouring of sorghum

- **Sophia Alami** *Cirad.*

Conclusion: Analysis of the cereal consumption in Europe by segment, and which development potential for sorghum until 2025?

- **Frédéric Guedj** *Manager sorghum market development Euralis Semences France*

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