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**, , Hoeve 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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