International Conference

FROM SEED TO PASTA & BEYOND

A SUSTAINABLE DURUM WHEAT CHAIN FOR FOOD SECURITY AND HEALTHY LIVES

Bologna, Italy
31 May - 2 June 2015
Conference Center
FlyON



Milan, Italy
3 June 2015
EXPO 2015
Italian Pavillion

FSTP 2015 ---- EXPO 2015 ----



A Sustainable Durum Wheat Chain for Food Security and Healthy Lives

WELCOME

The international conference "From Seed to Pasta and Beyond: a Sustainable Durum Wheat Chain for Food Security and Healthy Lives" will bring together the main experts of the durum wheat-pasta production chain to present state-of-the-art results in (i) durum wheat production as related to agronomy, physiology, genetic resources, breeding, genomics, marker-assisted selection, tolerance to abiotic and biotic stresses and (ii) technological quality, nutritional and health aspects related to milling and pasta production and consumption. Historical and socio-economics aspects will also be addressed.

The main objective of the conference is to showcase how multidisciplinary science and technology can contribute addressing and coping with the current and future challenges faced by the durum wheat-pasta production chain, particularly in relation to the main themes of EXPO 2015 (food security, sustainability and nutrition) and climate change.

In view of the importance of durum wheat as staple in the diet of millions in Mediterranean countries and elsewhere, the conference will contribute to the debate on how to best sustain the global food and agriculture systems from input to final consumption, considering also changing consumers' preferences and societal interests as related to health and environmental issues. This will be achieved by gathering some of the best world experts on durum wheat and pasta production and the effects on human health of the consumption of pasta and other durum-derived food. The broad range of topics addressed by the conference and the presence of industrial speakers will provide a high interdisciplinarity and will encourage new public-private partnerships. The conference will provide a unique and timely opportunity to debate and define actions able to enhance the competitiveness and sustainability of the durum-pasta chain.

During the last day of the conference, to be held at the Italian Pavillion at EXPO, a round table discussion will engage prominent institutional, political and industrial stakeholders to address the challenges and opportunities that the durum wheatpasta chain will face in the coming decades.

Roberto Tuberosa

(University of Bologna)

Congress Chair

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A Sustainable Durum Wheat Chain for Food Security and Healthy Lives

ORGANIZING COMMITTEE

Karim Ammar, CYMMIT, Mexico Maroun Atallah, Barilla, Italy Filippo Bassi, ICARDA, Morocco Antonio Blanco, University of Bari, Italy Hikmet Budak, Sabanci University, Turkey Aldo Ceriotti, CNR, Italy Tiberio Chiari, IAO, Florence, Italy Domenico Lafiandra, University of Tuscia, Italy Peter Langridge, University of Adelaide, Australia Sergio Lucretti, ENEA, Italy Elisabetta Lupotto, CRA, Italy Anna Maria Mastrangelo, CRA, Italy Curtis Pozniak, U. of Saskatchewan, Canada (Congress Vice-Chair) Roberto Ranieri, Open Fields, Italy Conxita Royo, IRTA, Spain Roberto Tuberosa, University of Bologna, Italy (Congress Chair) Steven Xu, USD-ARS, USA

SCIENTIFIC COMMITTEE

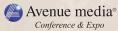
Jason Able, University of Adelaide, Australia Michael Baum, ICARDA, Jordan Patrizia Brigidi, University of Bologna, Italy Hermann Buerstmayr, IFA, Austria Marina Carcea, CRA, Italy Luigi Cattivelli, CRA, Italy (Committee Chair) Carla Ceoloni, University of Tuscia, Italy Jorge Dubcovsky, University of California, USA Viviana Echenique, CONICET, Argentina Tzion Fahima, University of Haifa, Israel Agata Gadaleta, University of Bari, Italy Alexander Kudryavtsev, Russian Academy of Sciences, Russia Rosangela Marchelli, University of Parma, Italy Pierluigi Meriggi, Horta S.r.l., Italy Marie Helene Morel, INRA, France Michele Morgante, University of Udine, Italy Giuliano Mosca, University of Padova, Italy Ivan Ortiz-Monasterio, CIMMYT, Mexico Nicola Pecchioni, CRA, Italy Gabriella Sonnante, CNR, Italy

SCIENTIFIC SECRETARIAT

Prof. Roberto Tuberosa

DipSA - University of Bologna Viale Fanin 44 - 40127 Bologna, Italy roberto.tuberosa@unibo.it

ORGANIZING SECRETARIAT



Via Riva Reno 61 - 40122 Bologna, Italy congressi@avenuemedia.eu www.avenuemedia.eu

A Sustainable Durum Wheat Chain for Food Security and Healthy Lives

Program

Bologna, Sunday May 31

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13.00-14.00	Registration
14.00-14.20	Welcome addresses
14.20-16.00	OPENING SESSION Co-Chairs: Ercole Borasio & Enrico Porceddu
14.20	Durum wheat breeding: an historical perspective Antonio Blanco, University of Bari, Italy
14.50	Industrial perspectives of pasta production wheat breeding: An historical perspective Marco Silvestri, Barilla, Italy
15.20	What kind of pasta for a healthy gut microbiome? Patrizia Brigidi, <i>University of Bologna, Italy</i>
15.50	Wheat genomics & its applications (Opening keynote lecture) Peter Langridge, University of Adelaide, Australia
16.20-16.30	Discussion
16.30-16.50	Coffee break
16.50-19.00	SESSION 1 BRIDGING DURUM AND BREAD WHEAT SCIENCE Chair: Curtis Pozniak
16.50	Wheat physiology in a changing climate Matthew Reynolds, CIMMYT, El Batan, Mexico
17.20	Genomics platforms for durum wheat genomics Jorge Dubcovsky, UC Davis, USA
17.50	Ph1 gene of wheat and its application in durum improvement Kulvinder Gill, Washington State University, USA
18.20	Improving the health value of durum wheat Domenico Lafiandra, University of Tuscia, Italy
18.50-19.00	Discussion

A Sustainable Durum Wheat Chain for Food Security and Healthy Lives

Bologna, Monday June 1

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08.30-12.30	SESSION 2 IMPROVING DURUM PRODUCTIVITY Co-Chairs: Jorge Dubcovsky & Antonio Blanco
8.30	Wheat wild relatives and their use for the improvement of cultivated wheat Tzion Fahima, University of Haifa, Israel
8.55	Mapping and cloning valuable QTLs in durum wheat Roberto Tuberosa, University of Bologna, Italy
9.20	Chromosome engineering: Its current potential to capitalize on alien traits for sustainable improvement of durum wheat production Carla Ceoloni, <i>University of Viterbo, Italy</i>
9.45	Marker-assisted breeding in durum wheat: Progress and perspectives Curtis Pozniak, University of Saskatchewan, Canada
10.10-10.40	Coffee break
10.40	Improving Fusarium head blight resistance in durum wheat - challenges and chances Hermann Buerstmayr, IFA, Austria
11.05	Improving Canadian durum wheat quality: Genetic enhancement and science-based grade standards Bin Xiao Fu, Canadian Grain Commission, Canada
11.30	Phenotyping for sink-source relationships in wheat
11.50	Jose L. Araus, University of Barcelona, Spain
11.55	
	Jose L. Araus, <i>University of Barcelona, Spain</i> Adaptation to climate change: Challenges and opportunities Luigi Cattivelli, <i>CRA, Italy</i>

1	18/1/18	FROM SEED TO PASTA & BEYOND A Sustainable Durum Wheat Chain for Food Security and Healthy Lives
	14.00-15.30	Session 3 MANAGING A SUSTAINABLE DURUM PRODUCTION FOR FOOD SECURITY Chairs: Michael Baum
	14.00	Durum wheat breeding for the Food Security in the WANA region Michael Baum, ICARDA, Amman, Jordan
	14.25	Environmental and genetic factors affecting yield formation in wheat Conxita Royo, IRTA, Lleida, Spain
A CONTRACTOR OF THE PARTY OF TH	14.50	Addressing spatial-temporal variability in durum wheat cultivation for improving resource-use efficiency and sustainability Francesco Morari, University of Padua, Italy
	15.15 - 15.30	Discussion
	15.30- 16.15	Coffee break & Poster viewing
	16.15-17.45	SESSION 4 HEALTHIER DURUM FOR A HEALTHY LIFE
ı		Chair: Marie Helen Morel
	16.15	Chair: Marie Helen Morel Towards a healthier pasta Mike Sissons, University of New England, Australia
	16.15 16.40	Towards a healthier pasta
	A	Towards a healthier pasta Mike Sissons, University of New England, Australia Novel foods as an alternative to a gluten-free diet
	16.40	Towards a healthier pasta Mike Sissons, University of New England, Australia Novel foods as an alternative to a gluten-free diet Mauro Rossi, CNR, Italy
	16.40 17.05-17.30	Towards a healthier pasta Mike Sissons, University of New England, Australia Novel foods as an alternative to a gluten-free diet Mauro Rossi, CNR, Italy Discussion
	16.40 17.05-17.30 18.00	Towards a healthier pasta Mike Sissons, University of New England, Australia Novel foods as an alternative to a gluten-free diet Mauro Rossi, CNR, Italy Discussion Departure for the Gala dinner

A Sustainable Durum Wheat Chain for Food Security and Healthy Lives

Bologna, Tuesday June 2

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ROOM 1

08.30-12.30	SESSION 5.1 INNOVATION IN QUALITY AND NUTRITIONAL-ASPECTS OF PASTA Co-Chairs: Domenico Lafiandra & Marie Helen Morel
08.30	Durum Wheat and Pasta market: price evolution, volatility issues and perspectives Enrica Gentile, Mauro Bruni - Aretè, Bologna, italy
08.50	Innovation in pasta production Andrea Cardinali, Rustichella d'Abruzzo S.p.A., Italy
09.10	Nutraceutical properties of fermented wheat and its use in pasta production Vincenzo Longo, CNR, Italy
09.30	Genetic basis of quality traits
	Agata Gadaleta, <i>University of Bari, Italy</i>
09.50	Metabolomics in durum wheat: What else? Romina Beleggia, CRA, Italy
10.10 -10.40	Coffee break
10.40	From seed to pasta: increasing the potential nutritional value of pasta through innovative technological processes Roberto Ciccoritti, CRA, Italy
10.55	NANOENCAPSulation of SC-CO2 extracted wheat bran oil by α-Cyclodextrins: A stability study Giovanni Mita, CNR, Italy
11.10	Genetic architecture of kernels quality traits in an evolutionary prebreeding population of durum wheat Jacques DAVID, INRA, France
11.25	GWAS and candidate genes for arabinoxylan in wheat Ilaria Marcotuli, University of Bari, Italy

N. ISI IN	FROM SEED TO PASTA & BEYOND A Sustainable Durum Wheat Chain for Food Security and Healthy Lives
11.40	Quantitative trait loci mapping and correlation analysis on grain multiple nutrition contents in durum wheat × wild emmer wheat RIL population Jun Yan, University of Chengdu, China
11.55	Improvement of durum quality and creation of new allelic variation for glutenin in EMS—mutant durum wheat population Mustapha Labhilili, University of Rabat, Morocco
12.10 -12.40	Discussion
12.40 -14.00	Lunch
111111111111111111111111111111111111111	ROOM 2
08.30-12.30	SESSION 5.2 INTEGRATED BREEDING APPROACHES Co-Chairs: Jason Able & Hermann Buerstmayr
08.30	An SNP-based consensus map for characterizing and exploiting genetic diversity in durum wheat Marco Maccaferri, University of Bologna, Italy
08.50	Genomics-based approaches for mapping agronomic traits in durum wheat: From consensus regions to candidate genes Anna Mastrangelo, CRA, Italy
09.10	Development of genetic and genomic resources for target breeding in durum wheat Steven Xu, USDA/ARS, USA
09.30	Breeding for sustainable durum wheat production Filippo Bassi, ICARDA, Morocco
09.50	Hybrid breeding in durum: What can we learn from bread wheat? Friedrich Longin, University of Hohenhein, Germany
10.10-10.40	Coffee break
10.40	Single Seed Descent (SSD) as a tool to exploit the natural diversity to increase durum wheat sustainability and its adaptation to climate changes Michela Janni, CNR, Italy

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	10.55	Unexplored diversity may bring better traits in durum wheat: A genome wide association study on Ethiopian landraces material Matteo Dell'Acqua, Scuola Superiore Sant'Anna, Italy
	11.10	Genetic diversity in a diverse winter durum wheat (<i>Triticum durum</i>) panel Alisa-Naomi Sieber, <i>University of Hohenhein, Germany</i>
	11.25	New resistance genes for leaf rust and powdery mildew derived from <i>T. turgidum ssp. dicoccum</i> Francesca Desiderio, <i>CRA</i> , <i>Italy</i>
	11.40	QTL mapping and candidate genes for Fusarium Head Blight resistance in durum wheat Angelica Giancaspro, <i>University of Bari</i> , Italy
	11.55	Mapping yield and yield-component QTL in a durum wheat multi-parental cross population Sara Milner, University of Bologna, Italy
	12.10	Exploiting the genetic variability of <i>TdDRF1</i> gene: a novel functional marker associated with yield in drought conditions Patrizia Galeffi, <i>ENEA, Italy</i>
	12.25 -12.40	Discussion
	12.40 -14.00	Lunch
		ROOM 1
	14.00-17.00	SESSION 6.1 FROM FIELD MANAGEMENT TO QUALITY Co-Chairs: Conxita Royo & Francesco Morari
	14.00	Challenges and opportunities for sustainable production of durum wheat in the Mediterranean basin Pierluigi Meriggi, Horta s.r.l., Italy
	14.20	Pasta quality faces the EU's sustainable agriculture challenge Marie Helen Morel, INRA, France
	14.40	Mycotoxins in durum wheat and strategies for their reduction Antonio Logrieco, CNR, Italy
	15.00	Relationship between grain protein content, grain yield and nitrogen use efficiency assessed in Tunisian durum wheat genotypes Sawsen Ayadi, INAT, Tunisia

SSAB	FROM SEED TO PASTA & BEYOND A Sustainable Durum Wheat Chain for Food Security and Healthy Lives
15.15	Distribution, survival and growths rate of <i>Pyrenophora tritici</i> repentis on durum wheat under conservation agriculture and conventional tillage in Tunisia Manel Othmeni, <i>INAT</i> , Tunisia
15.30-16.00	Coffee break
16.00	Reduced nitrogen fertilization effects on grain characteristics and end-use quality in eight durum wheat cultivars Jean-Claude Dusautoir, INRA, France
16.15	The phenotypic architecture of tetraploid wheat (Triticum turgidum L.): Effects of domestication and post-domestication under contrasting nitrogen fertilisation Tania Gioia, Institute of Biosciences and Geosciences, Germany
16.30	Comparative response of yield, yield components and physiological traits in durum wheat under contrasting water irrigation Zoubeir Chamekh, INAT, Tunisia
16.45 -17.00	Discussion
	ROOM 2
14.00-17.15	SESSION 6.2 DURUM WHEAT "OMICS" Co-Chairs: Tziom Fahima & Anna Mastrangelo
14.00	New approaches to deal with complex genomes sequencing: the case of durum wheat Sergio Lucretti, ENEA, Italy
14.20	Integrated durum breeding for water stress tolerance in Australia: The potential of miRNAomics Jason Able, University of Adelaide, Australia
14.40	RNA sequencing in wild emmer and durum wheats in response to shock stress Hikmet Budak, Sabanci University, Turkey
15.00	Sequence-based genetic map using durum wheat × wild emmer wheat population Assaf Distelfeld, University of Tel Aviv, Israel

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15.20	Genotyping by targeted sequence capture in durum wheat: Application to detect QTL for wheat spindle streak mosaic virus resistance Yan Holtz, INRA, Italy
15.35-16.00	Coffee break
16.00	Novel and conserved miRNAs involved in plant development and nitrogen metabolism in durum wheat Gabriella Sonnante, CNR, Italy
16.15	Wild emmer wheat natural populations display high sequence conservation of the broad spectrum stripe rust resistance gene Yr36 (WKS1) Tamar Kis-Papo, University of Haifa, Israel
16.30	Identification of a novel domestication locus on wheat chromosome 4B controlling uniformity of grain dimensions and germination Moran Nave, University of Tel Aviv, Israel
16.45 -17.00	Discussion
17.15-18.30	ROUND TABLE NEW BREEDING TECHNIQUES FOR WHEAT Chair: Peter Langridge
	Curtis Pozniak, <i>University of Saskatchewan, Canada</i> Filippo Bassi, <i>ICARDA, Morocco</i> Jason Able, <i>University of Adelaide, Australia</i>

18.30 -18.45 Closing Remarks



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POSTERS

ABIOTIC AND BIOTIC STRESS

- AB 1 LEVERAGING ENVIRONMENTAL ADAPTATION IN THE WILD WHEAT RELATIVE TRITICUM URARTU TO IDENTIFY GENES INVOLVED IN ADAPTATION TO CLIMATE CHANGE Matteo Dell'Acqua
- AB 2 EFFECTS OF THINOPYRUM PONTICUM CHROMOSOME SEGMENTS
 ON YIELD TRAITS OF DURUM WHEAT GROWN UNDER RAIN-FED
 CONDITIONS
 Liiliana Kuzmanović
- AB 3 USE OF DURUM LANDRACES AND TRITICUM WILD RELATIVES TO BREED ROBUST DURUM CULTIVARS FOR MEDITERRANEAN ENVIRONMENTAL CONDITIONS

 M. Miloudi Nachit
- AB 4 COMPARATIVE LEAVES MICRORNAS PROFILING DURING HEAT AND DROUGHT STRESS IN DURUM WHEAT AND BRACHYPODIUM Cristina Crosatti
- AB 5 SCREENING OF DURUM WHEAT (TRITICUM DURUM DESF.) VARIETIES UNDER SALT AND DROUGHT STRESS

 AYED Sourour
- AB 6 SEEKING NOVEL ALLELES FOR TOLERANCE TO BORON TOXICITY IN A VAST COLLECTION OF DURUM WHEAT ENTRIES
 Khaoula El hassouni
- AB 7 ESTIMATING THE COST OF GENETIC RESISTANCE TO HESSIAN FLY IN DURUM WHEAT IN MOROCCO

 Nsarellah Nasser lehaq
- AB 8 MAPPING OF UNIQUE AND BROAD SPECTRUM RESISTANCE GENES TO ZYMOSEPTORIATRITICI IN DURUM WHEAT
 Lamia Aouini
- AB 9 CHARACTERIZATION OF FHB RESISTANCE TO FUSARIUM SPECIES AND ASSOCIATED DON ACCUMULATION IN SPRING WHEAT Yuefeng Ruan
- AB 10 ADVANCE YIELD TRIAL- DURUM WHEAT REACTIONS TO STRIPE, LEAF AND STEM RUSTS
 Zafer Mert
- AB 11 REACTIONS OF SOME DURUM WHEAT MATERIALS OBTAINED CROSSES WITH WILD TYPES TO YELLOW, LEAF AND STEM RUSTS Kadir Akan
- AB 12 RESISTANCE OF SPRING DURUM WHEAT YELLOW RUST RESISTANCE SOURCES TO STEM, LEAF AND YELLOW RUSTS Kadir Akan

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- AB 13 THE REACTIONS OF SOME LANDRACES DURUM WHEAT MATERIALS TO YELLOW, LEAF AND STEM RUSTS
 Kadir Akan
- AB 14 POPULATION STRUCTURE, LINKAGE DISEQUILIBRIUM AND GENOME WIDE ASSOCIATION MAPPING FOR RESISTANCE TO STEM RUST IN A TETRAPLOID WHEAT COLLECTION

 Nicola Pecchioni
- AB 15 THE DURUM WHEAT LEAF RUST RESISTANCE LOCUS LR14A MAPS IN A CHROMOSOME REGION ENRICHED IN GENES INVOLVED IN THE PLANT-PATHOGEN RECOGNITION AND INTERACTION PATHWAYS

 Marco Maccaferri
- AB 16 NEW RACE OF LEAF RUST IN DURUM WHEAT IN SPAIN Ignacio Solis
- AB 17 JOINT LINKAGE AND ASSOCIATION MAPPING FOR ROOT SEMINAL ARCHITECTURE TRAITS IN DURUM WHEAT Walid El-Feki
- AB 18 OVEREXPRESSION OF DURUM WHEAT GENE TDPIP2;1 DRIVEN BY ITS OWN PROMOTER ENHANCES DROUGHT TOLERANCE IN RICE Khaled Masmoudi
- AB 19 ASSOCIATION MAPPING FOR SEEDLING ROOT TRAITS AND AGRONOMIC PERFORMANCE IN DURUM WHEAT Maria Angela Canè
- AB 20 SCREENING OF ELITE DURUM GERMPLASM FOR QTL ASSOCIATED TO HEAT TOLERANCE
 N. Ghasemali
- AB 21 MAPPING QTLS FOR FUSARIUM HEAD BLIGHT RESPONSE IN A DURUM WHEAT ELITE POPULATION

 M. Maccaferri

GENOMICS

- GE 1 DE NOVO TRANSCRIPTOME ASSEMBLY, ANNOTATION AND SNP MINING IN DURUM WHEAT
 Danara Ormanbekova
- GE 2 A HIGH-DENSITY, SNP-BASED CONSENSUS MAP OF TETRAPLOID WHEAT
 AS A BRIDGE TO INTEGRATE DURUM AND BREAD WHEAT GENOMICS AND
 BREEDING
 Marco Maccaferri
- GE 3 MULTI-POPULATIONS GENTIC MAP AS A TOOL FOR THE APPLICATION OF GENOMIC SELECTION IN DURUM WHEAT Hafssa Kabbaj
- GE 4 GENETIC DIVERSITY AND ASSOCIATION STUDIES IN A COLLECTION OF JORDANIAN DURUM WHEAT LANDRACES

 Ayed Al-Abdallat

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- GE 5 GENETIC VARIABILITY FOR SEED-RELATED TRAITS AMONG DURUM WHEAT RELATIVE AND LANDRACE BASED ON TWO HIGH RESOLUTION MAPS

 Davide Guerra
- GE 6 TOWARDS THE CLONING OF QYLD.IDW-3B, A MAJOR GRAIN YIELD QTL IN DURUM WHEAT
 Marta Graziani
- GE 7 HIGH-THROUGHPUT PHENOTYPING OF DURUM WHEAT NEAR-ISOGENIC LINES UNDER WATER DEFICIT CONDITIONS
 Giuseppe Sciara
- GE 8 ALLELIC VARIATION AT LOCI CONTROLLING HEADING TIME AND GRAIN YIELD COMPONENTS IN DURUM WHEAT
 Andrea Ricci
- GE 9 DISTRIBUTION OF ALLELES OF MAJOR GENES (Rht-B1, Ppd-A1 AND Vrn-A1) AND ITS EFFECT ON PLANT HEIGHT, PEDUNCLE LENGTH AND FLOWERING/HEADING DATE IN A DURUM WHEAT COLLECTION UNDER FIELD CONDITIONS
 Pablo Roncallo
- GE 10 GLUTAMINE SYNTHETASE GENE EXPRESSION AND ENZIME ASSAY TO STUDY NITROGEN USE EFFICIENCY IN WHEAT Domenica Nigro
- GE 11 ASPARAGINE SYNTHETASE (ASNS) GENES IN DURUM WHEAT Pasquale L. Curci
- GE 12 INTEGRATED MOLECULAR AND METABOLITE PROFILING FOR DURUM WHEAT PLANTS GROWN UNDER ELEVATED CO2: RESULTS OF A FREE AIR CARBON DIOXIDE ENRICHMENT (FACE) EXPERIMENT Caterina Maré
- GE 13 CHROMOSOMAL LOCATION OF AWN AND GLUME COLOUR IN DURUM WHEAT
 John M. Clarke
- GE 14 OPTIMIZING SOMATIC EMBRYOGENESIS AND AGROBACTERIUM MEDIATED TRANSFORMATION IN DURUM WHEAT Iraqi Driss
- GE 15 MUTATION DISCOVERY PIPELINE FOR A TETRAPLOID WHEAT TILLING POpulation
 Ute Baumann
- GE 16 A TBP-BASED APPROACH FOR SIMPLE GENETIC PROFILING AND FAST SNPS IDENTIFICATION IN WHEAT GENOTYPES
 S. Siletti

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HQ 1	PASTA, BREAD AND FANTASY: INNOVATION IN THE PRODUCTION C)F
	FUNCTIONAL FOODS FOR CONSUMERS' WELLBEING	
	Marcello Salvatore Lenucci	

- HQ 2 GENETIC VARIABILITY AND ANTI-INFLAMMATORY PROPERTIES OF PHENOLIC ACIDS IN DURUM WHEAT
 Barbara Laddomada
- HQ 3 USE OF DEBRANNING PRODUCTS FOR THE PRODUCTION OF PASTA WITH HIGH CONTENT OF ANTIOXIDANT COMPOUNDS

 Daniela Martini
- HQ 4 MICRONUTRIENT CONCENTRATION IN CARYOPSIS OF EINKORN WHEAT ACCESSIONS (TRITICUM MONOCOCCUM L.), ANCIENT LANDRACES AND IMPROVED CULTIVARS OF DURUM WHEAT (TRITICUM TURGIDUM L. SUBSP. DURUM)
 Fabiola Sciacca
- HQ 5 MICROBIOLOGICAL QUALITY OF WHEAT FLOUR CONSUMED IN MOROCCO

 Jihane Ennadir
- HQ 6 CD CONCENTRATIONS IN GRAINS OF DURUM WHEAT CULTIVARS Alessio Aprile
- HQ 7 DIVERSITY AMONG TRITICUM DURUM CULTIVARS AND BREEDING LINES FOR HIGH VERSUS LOW CADMIUM CONTENT IN SEEDS ASSESSED WITH THE CAPS MARKER USW47
 Hermann Buerstmayr
- HQ 8 VALIDATION OF MOLECULAR MARKERS FOR PASTA-COOKING QUALITY TRAITS IN DURUM WHEAT

 Amallah Lamiae
- HQ 9 CHARACTERIZATION OF DURUM WHEAT HMW-GS BX20 AND BY20 SEQUENCES BY A MOLECULAR AND PROTEOMIC APPROACH Davide Santagati
- HQ 10 DETERMINATION OF ALLELIC VARIATION AT HMW-GS AND LMW-GS LOCI IN MOROCCAN DURUM WHEAT CULTIVARS USING GENE-SPECIFIC PCR MARKERS
 Fatima Henkrar
- HQ 11 DISULFIDE BOND FORMATION IN THE ASSEMBLY OF GLUTENIN SUBUNITS
 Aldo Ceriotti
- HQ 12 2-DE COMPARATIVE GLUTEN ANALYSIS BETWEEN ONE MODERN AND ONE OLD DURUM WHEAT GENOTYPE
 Michele De Santis
- HQ 13 SOFT KERNEL DURUM WHEAT A BETTER WHEAT FOR GLOBAL PASTA PRODUCTION

 Marco Cosimo Simeone

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- HQ 14 DEVELOPMENT OF DURUM WHEAT WITH VARYING B-TYPE STARCH GRANULE CONTENT
 Gururaj Kadkol
- HQ 15 DETERMINATION OF RESISTANT STARCH CONTENT IN FLOURS OF THIRTY DURUM WHEAT CULTIVARS
 Erika Sabella
- HQ 16 EVALUATION OF NUTRITIONAL AND RHEOLOGICAL PROPERTIES OF HIGH AMYLOSE DURUM WHEAT LINES

 Domenico Lafiandra
- HQ 17 ANALISI QTL PER CONTENUTO DI PIGMENTO GIALLO NELLA GRANELLA IN FRUMENTO DURO

 M. Maccaferri

VALUE CHAIN

- VC 1 AGRONOMICAL PERFROMANCES AND QUALITY CHARACTERISTICS OF WIDE CROSSES OF DURUM WHEAT Zaim Meryem
- VC 2 ON-FARM CONSERVATION AND VALORIZATION OF TUNISIAN LOCAL DURUM WHEAT AND BARLEY LANDRACES
 Amine Slim
- VC 3 CHALLENGES AND PROSPECTS OF DURUM WHEAT BREEDING IN IRAN Behzad Sadeghzadeh
- VC 4 DURUM WHEAT IMPROVEMENT IN INDIA-EMPHASIZING YIELD AND QUALITY TRAITS
 Bhudeva Singh Tyagi
- VC 5 DURUM WHEAT INITIATIVES IN PAKISTAN: NEED FOR CONCERTED EFFORTS BETWEEN ALL CONTRIBUTORS TO THE VALUE CHAIN Krishna Dev Joshi
- VC 6 **DURUM WHEAT VALUE CHAIN IN ETHIOPIA**Tiberio Chiari
- VC 7 RICE SEED DELIVERY SYSTEM IN BANGLADESH: A SUCCESS STORY Mohammad Khalequzzaman
- VC 8 WHEAT GENETIC RESOURCES AND EXPLOTATION IN BREEDING IN TURKEY Alptekin Karagöz

A Sustainable Durum Wheat Chain for Food Security and Healthy Lives

EXPOMILANO 2015

Milan, Wednesday June 3

07.30	Bus transfer from hotel FlyOn to Expo
11.00	Arrival & Entrance to Expo Area

WHEAT FOR THE FUTURE

Advancing wheat research for global food security

ITALIAN PAVILLON - EXPO 2015

Conference Room

14.00 WELCOME ADDRESSES AND INTRODUCTION

A. Ceriotti, CNR, Italy

R. Tuberosa, *University of Bologna, Italy*

L. Cattivelli, CRA, Italy

14.15 BIOINFORMATICS ITALIAN SOCIETY (BITS) LECTURE:

Introduction

Luciano Milanesi, CNR, Italy

The genomes of civilization and their molecular linguistics

Klaus Mayer, HZM, Germany

14.40 Round Table.

CHALLENGES AND PERSPECTIVES FOR DURUM WHEAT AND PASTA PRODUCTION

Chair: Alfredo Tesio, Foreign Press Association, Rome, Italy Market Overview: Mario Bruni, Aretè, Italy

Maurizio Martina

Italian Ministry of Agriculture (Invited)

Paolo De Castro

Coordinator Group SD Comagri and Expo permanent Speaker, EU Parliament

Furio Bragagnolo

Italian Confectionery and Pasta Industry Association, Aidepi, Italy

Carlo Mango

CARIPLO Foudation, Milan, Italy

Curtis Pozniak

University of Saskatchewan, Canada

Michael Baum

International Center for Agricultural Research in the Dry Areas - ICARDA

		FROM SEED TO PASTA & BEYOND A Sustainable Durum Wheat Chain for Food Security and Healthy Lives
	15.40	Keynote lecture WHY WHEAT MATTERS - FROM THE GREEN REVOLUTION UP TO TODAY Hans Braun International Maize and Wheat Improvement Center, CIMMYT
	16.10	Round table WORLD OUTLOOK - WHERE WHEAT REALLY MATTERS
é		Introduction - Hans Braun, CIMMYT
		Europe - Bernard Valluis, ANMF, France Americas - Jim Palmer, NAWG, USA Asia - He Zhonghu, CAAS, China (invited) Africa - Joyce Malinga, KALRO, Kenya
	17.20	A GLOBAL RESEARCH EFFORT - THE WHEAT INITIATIVE Introductory video of the Wheat Initiative
		Wheat Initiative presentation Hélène Lucas, Wheat Initiative
		Challenges for wheat research and introduction to the Wheat Initiative Strategic Research Agenda Peter Langridge, U. Adelaide, Australia
	17.55	INCREASING AND COORDINATING PUBLIC AND PRIVATE FUNDERS' SUPPORT FOR WHEAT RESEARCH
		The role of public research and funding organisations Gilles Saindon, AAFC, Canada
		Private companies' engagement Viktor Korzun, KWS Cereals Division
	18.10	Conclusions Hélène Lucas, Wheat Initiative

The entrance is free, but it is necessary to buy the Expo Ticket http://www.expo2015.org/en/tickets

Bus transfer from Expo to hotel FlyOn, Bologna

18.20

19.00

End of the meeting

A Sustainable Durum Wheat Chain for Food Security and Healthy Lives

GENERAL INFORMATION

CONFERENCE VENUES

BOLOGNA - 31MAY/2 JUNE

FlyOn Conference Center Hotel
Via dell'Aeroporto 34/36 - Bologna
Tel. + 39 051 6412180

MILAN - 3 JUNE

Expo 2015

Auditorium - Italian Pavillion Expo Area - Rho - Milan

SLIDE CENTER

The Speakers are pleased to invite to give their presentations in ppt Format to the Audio/video Assistant, who will be at disposal inside of the Conference Room from an hour before the starting time of the Conference to the End of the Sessions.

W/I FI

Wi fi Service is free of charge in all the Areas of the Hotels.

POSTERS

Posters must be set up on 31 May from 1.00pm. Every panel has a number that corresponds to the number that is specified in this Program - List of Posters.

AIRPORT SHUTTLE SERVICE

A free Shuttle Service from Bologna Airport to FlyOn and back is provided by the Hotel Free of charge, with reservation (directly in the Hotel Reception). Here the timetable:

FROM FLYON HOTEL → TO AIRPORT

4.45am - 5.00am - 5.15am - 5.35am - 5.50am - <mark>6.15am - 6.30am - 6.45am - 7.</mark>00am - 7.15am - 7.30am - 7.45am - 8.00am - 8.30am - 9.15am - 9.35<mark>am - 10.00am - 10.30am - 11.</mark>00am - 11.30am - 12.15am - 12.25am - 9.30pm - 10.00pm

FROM AIRPORT → TO FLYON HOTEL

6.40am - 7.40am - 8.40am - 9.25am - 9.50am - 10.25am - 10.40am - 11.15am - 9.15pm - 9.35pm - 9.55pm - 10.10pm - 10.25pm - 10.50pm - 11.15pm - 11.30pm - 11.45pm.

SHUTTLE PICK UP POINTS - BLQ Marconi Airport

Ground Floor at first available exit sliding doors, across the streets entering the parking lot, shuttle is located on the corner keeping left.

Please Note: Free shuttle Bus for FlyOn Hotel guests only, with local time fixed schedule non bookable in advance. Hotel denies any responsibility for delays, cancellations and damaged or forgotten items.

GALA DINNER

The participation to Gala Dinner is reserved only to the participants and speakers that have confirmed it. The Buses will depart from FlyOn Hotel on 1st June at 6.00pm.

The return will be at 9.30pm (Arrival to the Hotel at about 10.30pm).

EXPO DAY

The participation to Expo Day is reserved only to the participants and speakers that have reserved it. We remember that in order to take part to this Event, it is absolutely necessary to have the EXPO Entrance Ticket. For those that have not yet bought it, this is the link: www.expo2015.org/tickets. The Buses will depart from FIVOn Hotel on 3rd June at 7.30am.

The return will be from Expo at 7.00pm (Arrival to the Hotel at about 10.00pm).

USEFUL NUMBERS

Organizing Secretariat on Site: + 39 348 2487176

Taxi: + 39 051 4590 / + 39 051 372727

Emergency: 118

Train Services: + 39 892021

Airport Guglielmo Marconi: + 39 051 6479615

A Sustainable Durum Wheat Chain for Food Security and Healthy Lives

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SCIENTIFIC SECRETARIAT

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ORGANIZING SECRETARIAT



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