





The PRIMA programme is supported under Horizon 2020 the European Union's Framework Programme for Research and Innovation.

## Final Workshop of PRIMA EXPLOWHEAT Project

"The contribution of PRIMA projects to understanding and addressing abiotic stresses that impact durum wheat cultivation in the Mediterranean"

University of Tuscia (Viterbo, Italy) Aula Carlo Perone Pacifico (Aula Blu) **12 November 2024** 

| Director of DAFNE (UNITUS)     Prof. Danilo Monarca       09.45-10.00     Opening Sessions       PRIMA Coordinator     Dr. Antonella Autino       PRIMA Officer     Dr. Ali Rhouma       10.00-11.10     Project Presentation     Coordinator       IMPRESA Overview and Achievements     Prof. Carla Ceoloni       EXPLOWHEAT Overview: objectives, approach, impacts     Prof. Stefania Astolfi       BIOACT Overview: objectives, approach, impacts     Prof. Gianpiero Vigani       Durum wheat response to drought: unveiling genotype-specific nutritional strategies     Dr. Giulia Quagliata       University of Tuscia (Italy)     Prof. Gianpiero Vigani       University of Torino (Italy)     Dr. Moez Maghrebi       University of Torino (Italy)     Dr. Moez Maghrebi       University of Torino (Italy)     Prof. Nohamed Najib Saidi       CBS (Tunisia)     CBS (Tunisia)       Investigating Fe acquisition and accumulation dynamics in a purple durum     Dr. Eleonora Coppa       wheat genotype under drought     Lunch     Dr. Stelana Astoli (Italy)       13.00-14.00     Lunch     EVELOWHEAT Reports from Project Partners     Speakers       How   | 09.00  | Registration  |                              |
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| PRIMA CoordinatorDr. Antonella AutinoPRIMA officerDr. Ali Rhouma10.00-11.10Project PresentationCoordinatorIMPRESA Overview and AchievementsProf. Carla CeoloniEXPLOWHEAT Overview: objectives, approach, impactsProf. Stefania AstolfiMEDWEALTH Overview: objectives, approach, impactsProf. Gianpiero Vigani11.10-11.30Coffee break11.30-13.00EXPLOWHEAT - Reports from Project PartnersSpeakersDurum wheat response to drought: unveiling genotype-specific nutritionalDr. Giulia Quagliatauniversity of Tuscia (Italy)Prof. Gianpiero ViganiUniversity of Torino (Italy)Prof. Gianpiero ViganiUniversity of Torino (Italy)University of Torino (Italy)Prof. genome so for iron uptake under drought in wheat: from in silicoDr. Moez Maghrebiuniversity of Torino (Italy)Prof. Mohamed Najib SaidiCBS (Tunisia)Dr. Giulia QuagliataUniversity of Tuscia (Italy)Prof. Mohamed Najib SaidiCBS (Tunisia)Dr. Giulia Quagliatauniversity of Tuscia (Italy)Prof. Stefania AstolfiUniversity of Tuscia (Italy)Prof. Mohamed Najib SaidiCBS (Tunisia)Dr. Giulia QuagliataUniversity of Tuscia (Italy)Prof. Stefania AstolfiUniversity of Tuscia (Italy)Prof. StefaniaProf. Stefania AstolfiDr. Moez MaghrebiUniversity of Tuscia (Italy)Prof. Gianpiero ViganiUniversity of Tuscia (Italy)Prof. Mohamed Najib SaidiCBS (Tunisia)Dr. Eleonora CoppaUniversity of Tus  | Director of DAFNE  | E (UNITUS)  | Prof. Danilo Monarca         |
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| 10.00-11.10       Project Presentation       Coordinator         IMPRESA Overview and Achievements       Prof. Carla Ceoloni       Prof. Carla Ceoloni         IMPRESA Overview: objectives, approach, impacts       Prof. Stefania Astolfi         MEDWEALTH Overview: objectives, approach, impacts       Prof. Gianpiero Vigani         BIOACT Overview: objectives, approach, impacts       Prof. Gianpiero Vigani         11.00       Coffee break         11.30-13.00       EXPLOWHEAT - Reports from Project Partners       Speakers         Durum wheat response to drought: unveiling genotype-specific nutritional strategies       Dr. Giulia Quagliata       University of Tuscia (Italy)         The drought-induced plasticity of mineral nutrients contributes to drought       University of Torino (Italy)       Dr. Moez Maghrebi       University of Torino (Italy)         Integrating ionomics and targeted metabolomics reveal drought-induced       Dr. Giulia Quagliata       University of Torino (Italy)         Regulatory genes for iron uptake under drought in wheat: from in silico analysis to functional validation       Dr. Giulia Quagliata       University of Tuscia (Italy)         13.00-14.00       Lunch       Lunch       Dr. Giulia Quagliata       University of Tuscia (Italy)         Adaptation of Durum Wheat Genotypes to Semi-Arid Conditions in Algeria       Prof. Sebbane Mahieddine       Ferhat Abbas Univ. (Algeria)         Adaptation of Durum Wh  | PRIMA Coordinate   | or  | Dr. Antonella Autino         |
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| Investigating Fe acquisition and accumulation dynamics in a purple durum wheat genotype under drought       Dr. Giulia Quagliata University of Tuscia (Italy)         13.00-14.00       Lunch         14.00-15.00       EXPLOWHEAT - Reports from Project Partners       Speakers         How soil sulfur availability affects iron accumulation in four tetraploid wheats       Dr. Eleonora Coppa University of Tuscia (Italy)         Adaptation of Durum Wheat Genotypes to Semi-Arid Conditions in Algeria       Prof. Sebbane Mahieddine Ferhat Abbas Univ. (Algeria)         Adaptation of Durum Wheat Genotypes to Semi-Arid Conditions in Tunisia       Prof. Mohamed Najib Saidi CBS (Tunisia)         Rheological and Technological Quality of Semolina to Semi-Wholemeal       Dr. Alessandro Cammerata CREA (Italy)         15.00       Q & A Session  |  |   | CBS (Tunisia)                |
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| 13.00-14.00Lunch14.00-15.00EXPLOWHEAT - Reports from Project PartnersSpeakersHow soil sulfur availability affects iron accumulation in four tetraploid wheatsDr. Eleonora Coppa<br>University of Tuscia (Italy)Adaptation of Durum Wheat Genotypes to Semi-Arid Conditions in AlgeriaProf. Sebbane Mahieddine<br>Ferhat Abbas Univ. (Algeria)Adaptation of Durum Wheat Genotypes to Semi-Arid Conditions in TunisiaProf. Mohamed Najib Saidi<br>CBS (Tunisia)Rheological and Technological Quality of Semolina to Semi-WholemealDr. Alessandro Cammerata<br>CREA (Italy)15.00-16.00Q & A Session  |  |   |                              |
| How soil sulfur availability affects iron accumulation in four tetraploid wheats       Dr. Eleonora Coppa         Adaptation of Durum Wheat Genotypes to Semi-Arid Conditions in Algeria       Prof. Sebbane Mahieddine         Adaptation of Durum Wheat Genotypes to Semi-Arid Conditions in Tunisia       Prof. Mohamed Najib Saidi         Adaptation of Durum Wheat Genotypes to Semi-Arid Conditions in Tunisia       Prof. Mohamed Najib Saidi         Rheological and Technological Quality of Semolina to Semi-Wholemeal       Dr. Alessandro Cammerata         CREA (Italy)       Q & A Session   | 13.00-14.00  | -   |                              |
| Adaptation of Durum Wheat Genotypes to Semi-Arid Conditions in AlgeriaUniversity of Tuscia (Italy)Adaptation of Durum Wheat Genotypes to Semi-Arid Conditions in AlgeriaProf. Sebbane Mahieddine<br>Ferhat Abbas Univ. (Algeria)Adaptation of Durum Wheat Genotypes to Semi-Arid Conditions in TunisiaProf. Mohamed Najib Saidi<br>CBS (Tunisia)Rheological and Technological Quality of Semolina to Semi-WholemealDr. Alessandro Cammerata<br>CREA (Italy)15.00-16.00Q & A Session   | 14.00-15.00  | EXPLOWHEAT - Reports from Project Partners                | Speakers                     |
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| Adaptation of Durum Wheat Genotypes to Semi-Arid Conditions in Tunisia       Ferhat Abbas Univ. (Algeria)         Prof. Mohamed Najib Saidi       CBS (Tunisia)         Rheological and Technological Quality of Semolina to Semi-Wholemeal       Dr. Alessandro Cammerata         CREA (Italy)       15.00-16.00   |  |   | University of Tuscia (Italy) |
| Adaptation of Durum Wheat Genotypes to Semi-Arid Conditions in Tunisia       Ferhat Abbas Univ. (Algeria)         Adaptation of Durum Wheat Genotypes to Semi-Arid Conditions in Tunisia       Prof. Mohamed Najib Saidi         Rheological and Technological Quality of Semolina to Semi-Wholemeal       Dr. Alessandro Cammerata         CREA (Italy)       15.00-16.00  | Adaptation of Dur  | um Wheat Genotypes to Semi-Arid Conditions in Algeria     |                              |
| Adaptation of Durum Wheat Genotypes to Semi-Arid Conditions in Tunisia       Prof. Mohamed Najib Saidi         Rheological and Technological Quality of Semolina to Semi-Wholemeal       Dr. Alessandro Cammerata         CREA (Italy)       15.00-16.00  |  |   | Ferhat Abbas Univ. (Algeria) |
| Rheological and Technological Quality of Semolina to Semi-Wholemeal       CBS (Tunisia)         Dr. Alessandro Cammerata       CREA (Italy)         15.00-16.00       Q & A Session   | Adaptation of Dur  | um Wheat Genotypes to Semi-Arid Conditions in Tunisia     |                              |
| Rheological and Technological Quality of Semolina to Semi-Wholemeal       Dr. Alessandro Cammerata         CREA (Italy)         15.00-16.00       Q & A Session   |  |   | -                            |
| CREA (Italy) <b>Q &amp; A Session</b>   | Rheological and To   | echnological Quality of Semolina to Semi-Wholemeal        | . ,                          |
| 15.00-16.00 Q & A Session   | -  |   | CREA (Italy)                 |
| 16.00 Group Photo + Closing Session   | 15.00-16.00  | Q & A Session   |                              |
|   | 16.00 Gro  | oup Photo + Closing Session                               |                              |