

Newsletter No. 1

July 2019

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Welcome to the first issue of the INTEGRAPE newsletter.

This newsletter will keep you up-to-date with all the latest news from the COST Action CA17111 INTEGRAPE - DATA INTEGRATION TO MAXIMISE THE POWER OF OMICS FOR GRAPEVINE IMPROVEMENT.

INTEGRAPE officially started in September 2018 and significant activities have already been carried out. In March, we held a very successful First Annual Meeting in Crete with around 100 attendees and many great lectures from Action members and invited speakers. In addition, the calls for short term scientific mission (STSM) grants and ITC grants for attending relevant conferences, attracted several promising young scientists who have already finalized their work at foreign laboratories or presented the results of their research at the conferences. You can read about their achievements in the next pages of this newsletter.

We are also ambitious for the future of our Action and are confident that the forthcoming year will be an important one for our Action. We look forward to setting up ways to help the grapevine community provide better access and integrate the enormous quantities of collected data. Our ambition is to make smart decisions today to create long lasting values for tomorrow.

We hope you will enjoy reading our first Newsletter and look forward to having the opportunity to meet you at our next Annual Meeting in March 2020.



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About COST Action CA17111: INTEGRAPE

Grapevine is grown worldwide to produce fresh berries, processed fruits and wine. Grapevine research focuses on interactions between the genotype, phenotype and environment, and information must be integrated from heterogeneous datasets including ampelography, environmental biology, genetics, genomics, epigenomics, transcriptomics, proteomics and metabolomics. The data are currently dispersed and difficult to access, hindering meta-analysis (the re-use of grapevine data beyond the original experiments).

The COST Action INTEGRAPE brings together all stakeholders in the grapevine research community (academic, industry, policymakers and consumers) in an open, international, and representative network to develop minimal data standards and good practices in order to integrate data repositories and improve interoperability between datasets. The ultimate objective is to harness and exploit all available data to achieve better management practices and more cost-effective breeding for improved genotypes.

INTEGRAPE Facts

Type: COST Action CA17111

Duration: 4 years (2018-2022)

Visit us on:

www.integrate.eu

Participants

22 European countries

3 COST Near neighbour countries

2 COST International partner countries

4 working groups

MC Chair

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INTEGRAPE 2019 - First Annual Meeting

Chania, Greece – March 25 to March 28, 2019

The 1st Annual Meeting of the COST Action - INTEGRAPE 2019 - was held at the Conference Center of the Mediterranean Agronomic Institute of Chania, Crete, Greece (<https://www.iamc.ciheam.org/>). Many fruitful ideas were born during five meeting sessions (https://www2.cd-cc.si/Skripte/2019/INTEGRAPE/Event_Chania_presentations.zip) and especially during the world cafe discussions. We are confident that some of these will be implemented by the working groups during the second year of our COST Action.



Short Term Scientific Missions (STSM)



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Short-Term Scientific Missions allow scientists to learn from an institution or laboratory in another COST country - a concept of particular interest to young scientists (PhD students, Post-docs) and a way to foster collaboration.

So far, six applications have been funded in the first and second call launched by INTEGRAPE. The scientific reports are available on the [INTEGRAPE website](#).

Establishment of network construction pipelines to identify gene regulatory networks.

José Tomás Matus

Centre for Research in Agricultural Genomics (CRAG)
(Barcelona), Spain

Host Institute:

Fondazione Edmund Mach di San Michele all'Adige (FEM). Italy.

Host scientist: Dr. Giulia Malacarne



Source: Wikipedia

Targeted metabolomics to study the effect of mineral supplements in grape berry phenolics.

Viviana Martins

Universidade do Minho (Braga), Portugal

Host Institute:

Laboratoire de biologie cellulaire et biochimie végétale Biomolécules et Biotechnologies Végétales (BBV), Tours, France

Host scientist: Prof. Arnaud Lanoue



Source: Wikipedia

Analysis of cuticular waxes and cutin compounds in grape berry along ripening process under water and heat stresses.

Olfa Zarrouk

ITQB- Instituto de Tecnologia Química e Biológica.
Plant Molecular Ecophysiology Lab. (Lisbon),
Portugal

Host Institute:

Universidad Politécnica de Madrid, Madrid, Spain

Host scientist: Dr. Victoria Fernández



Source: Wikipedia

Short Term Scientific Missions (STSM) cont...



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Documentation and molecular characterization of grapevine genetic resources in Armenia.

Kristine Margaryan
Institute of Molecular Biology
(Yerevan), Armenia

Host Institute:

Julius Kühn-Institut (JKI) Federal Research Centre for Cultivated Plants, Institute for Grapevine breeding, Geilweilerhof, Germany

Host scientist: Prof. Reinhard Töpfer

The profiles of anthocyanins, polyphenols, peroxidase and polyphenoloxidase from two autochthonous grape varieties in Bosnia and Herzegovina wine region.

Dino Hasanagić
Faculty of Natural Sciences and Mathematics (Banja Luka), Bosnia and Herzegovina

Host Institute:

Institute for Multidisciplinary Research, Belgrade, Serbia

Host scientist: Dr. Vuk Maksimović

Integrated application of heterogeneous databases

András Bognár
Faculty of Georgikon (Keszthely), Hungary

Host Institute

University of Verona, Department of Biotechnology, Verona, Italy

Host scientist: Dr. Nicola Vitulo



Source: Wikipedia



Source: Wikipedia



Source: Facebook

Inclusiveness Target Country (ITC) Conference Grants



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ITC grants allow PhD students and young scientists from targeted countries to fund their participation at international conferences.
Three applications were funded in this first period of the project. The reports are available on the [INTEGRAPE website](https://www.integratepe.eu/).

Conference title: **18th Alps-Adria Scientific Workshop**

Participant: **Zóra Annamária Nagy**



Conference title: **Oeno2019 and the 11th In Vino Analytica Scientia IVAS 2019**

Participant: **Uroš Miljić**



Conference title: **21st GiESCO International Meeting 'A multidisciplinary Vision towards Sustainable Viticulture'**
Participant: **Savvas Constantinou**



2020 Event



The Second Annual Meeting of COST Action CA17111 - INTEGRAPE 2020 will be held from March 2 to March 5, 2020 in Ljubljana, Slovenia.

We cordially invite you to the [capital](#) of [Slovenia](#).

Besides its five thousand-year-long history, Forbes Magazine ranked Ljubljana the fifth most idyllic city in Europe (2009), according to a survey conducted by Reader's Digest, it is the most honest city in the world (2008), and a Mercer survey showed it is the safest city in SE Europe (2008, 2011). And last but not least, Ljubljana was the [Green capital of Europe](#) in 2016 and will be [European Region of Gastronomy](#) 2021.



Social Media

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