



**Universitatea de Științe Agronomice și Medicină Veterinară
Facultatea de Horticultură – București**

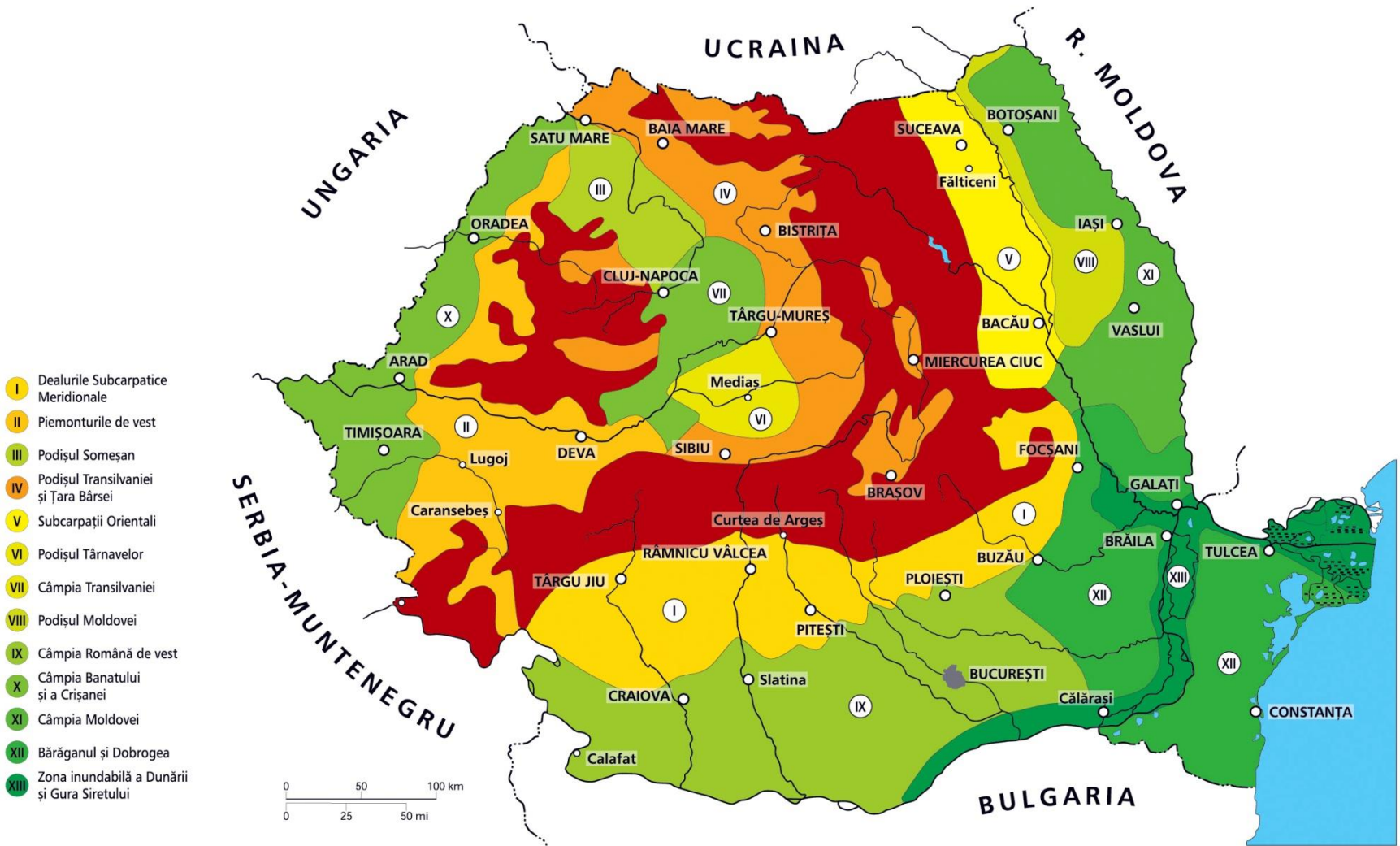
EUFRUIT

**Romanian contribution to WP 5
Secure sustainable fruit production**

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Randwijk, WP 5 meeting, 31st of May-1st of June, 2016

- Romanian Fruit Growing Regions





University of Agronomic Sciences and Veterinary Medicine București



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Faculty of Horticulture

since 1948



Research Center for Integrated Fruit Growing
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**The Increase in the Economic Competitiveness
„ Competitiveness Via Research, Technological Development and
Innovation ”**

European Found for Regional Development

„Investment in your future”

Research Center for Studies of Food and Agricultural Products Quality

HORTINVEST

Code SMIS 14051





HORTINVEST

„Investment in your future”

European projects:

- “Quality standards and optimal processing methods for organic products - SusOrganic” (2015-2017)



Coordinator of SusOrganic: Barbara Sturm, University of Kassel, Germany
Albert Esper, Meridian Fruchthandelsgesellschaft mbH, Germany
Girma Gebresenbet, Swedish University of Agricultural Sciences, Sweden
Liliana Badulescu, University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania
Michael Bantle, SINTEF Energy Research, Norway
Oliver Hensel, University of Kassel, Germany
Paola Pittia, University of Teramo, Italy
Riccardo Massantini, University of Tuscia, Viterbo, Italy



INNOBERRY – Innovation in berry crop

Species:

- Black Currant, Black Berry, Raspberry, Blueberry, Chokeberry, Go Ji
Organic production





INNOBERRY – Innovation in berry crop

Research topics

- Varieties
- Planting systems and training: single, double and triple axe, vs . bush
- Mulcing





INNOBERRY – Innovation in berry crop

Research topics:

- Irrigation systems
- Selective plastic film for tunnel production
- Pot and Pot in Pot system for Blueberry





INNOBERRY – Innovation in berry crop

Research topics:

- Pot and Pot in Pot system for Blueberry





Fruit thinning

Species: apple





Fruit thinning

Species: plum





Fruit thinning

Species: apricot





Organic production

Phytosanitary problems:

- fire blight (*Erwinia amylovora*) – quince, pear, apple.
- Plum pox (Sharka, *Prunus virus 6*) – stone fruits.
- Psilla – pear.





Organic production

Species: apple

Varieties: Gold Rush, Rubinola, Topaz

Planting system and canopy: vertical axe, 3.5 x 1.0 m





Organic production

Organic plant protection:

- Pheromone traps, Mat disruption





Organic production

Organic plant protection:
- Insectocutor – light trap





Organic production

Organic plant protection:

- Flame weed cleaner –MAITO, Italy
- Flame wooly aphid killer





Organic production

Organic plant protection:

- Study of predators: *Crysoperla carnea* - I and II stage larva on aphids





Organic production

Organic plant protection:

- Study of predators: *Coccinella septempunctata*





Organic production

Organic plant protection:

-Orchard Avifauna studies

- wind breaks and shelters





Organic production

Organic plant protection:

- Orchard Avifauna studies

- wind breaks and shelters





Organic production

Organic plant protection:
- Orchard Avifauna studies
- artificial nests





Organic production

- Organic plant protection:**
- Orchard Avifauna studies
 - birds feeders





Resistant species - Berries – high demand:

- blueberry
- chokeberry (*Aronia melanocarpa*)
- Go Ji (*Lycium barbarum*)



-High demand:

- walnut – no clonal propagated trees available
- sea buckthorn – mainly for organic and export





Organic fruit farms





New fruit species for Organic farming

- kiwi, paw paw, Chinese date





Holland Fruit House



Within the Netherlands Government program - Partners
International Business (PIB) – 2015-2017

- 12 Dutch partners:

- Wageningen WUR
- Naktuinbouw
- Vermeerderinstuinen
- private companies

- 2 Romanian partners:

- Univ. of Agronomic Sciences of Bucharest
- Research Institute for Fruit Growing Pitești

- 4 Workshops

- 1 “Train The Trainer” stage



Sweet Cherry Festival Istrița, Buzău – 11th of June 2016

ISTRIȚA





Sweet Cherry Festival

Istrița, Buzău – 11th of June 2016

ISTRIȚA



ISHS - IX International Peach Symposium

July 2-6, 2017

Location

USAMV București,

Deadline abstract submission

March 15, 2016

Deadline full text submission

September 15, 2016

Convener

Florin Stănică

Website

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Groups involved

- [Section Pome and Stone Fruits](#)
- [Workgroup Peach Culture](#)





Thank you for your kind attention!