



**COST Action FP1202: Strengthening conservation: a key issue for adaptation of marginal/ peripheral populations of forest trees to climate change in Europe (MaP-FGR)**



Food and Agriculture Organization of the United Nations

**Cost Action FP1202 MaP-FGR Management Committee final meeting and  
COST FP1202, EUFORGEN and IUFRO WG 20213  
joint Final Conference on  
“Marginal and peripheral tree populations:  
a key genetic resource for European forests”**

**26 September 2016 – 29 September 2016**

**Host:** Consiglio per la ricerca in agricoltura e l'analisi dell'economia agraria (CREA SEL)

**Venue:** CREA SEL, Viale Santa Margherita 80, 52100 Arezzo (Italy)

**Final agenda**

**Monday, September 26, 2016**

12:00-16:00 Registration of participants

14:00-14:30 **Opening of the Plenary session and MC of Cost Action FP1202 MaP-FGR** (COST Action FP1202 members and Invited Speakers)

14:30-15:00 Report of WG1 results (probable shift after WG3 report)

**Serra MJ, “Integrating geography and environment in a standardized procedure to assess marginality and its effects on genetic patterns”**

15:00-15:30 Report of WG2 results

15:30-16:00 Report of WG 3 results

16:00-16:30 *Coffee break*

16:30-17:00 Report of WG4 results

17:00-17:30 Closure of the Plenary session

17:30-18:30 **Management committee meeting**

## Tuesday, September 27, 2016

9:00-9:30 Opening of the Conference on MaP-FGR

### 9:30-10:00 Session 1: The stakeholder perspective on MaP-FGR

Chair: **Piermaria Corona**, Director CREA SEL

- 9:30-10:00 **Yousry El-Kassaby** "*Genetic Resources for Food and Agriculture in a Changing Climate*" (University of British Columbia, Canada - Science Director DIV 2 IUFRO)
- 10:00-10:30 **Giuseppe Scarascia Mugnozza** "*Recent developments on climate change adaptation and mitigation strategies of the forest based sector in Europe*" (University of Viterbo, Italy - President of the EFI Board)
- 10:30-11:00 **Jarkko Koskela** "*Monitoring the implementation of the Global Plan of Action on forest genetic resources*" (Forestry Officer, FAO Forestry Department)

11:00-11:30 *Coffee break and Poster Session* (Chair **Maria Cristina Monteverdi** CREA SEL)

- 11:30-12:00 **Luc Emile Paques** (INRA-Orlèans, Trees4Future general Coordinator)
- 12:00-12:30 **Michele Bozzano** "*Relevance and future development of the work generated by the Action in the framework of the EUFORGEN Programme*" (Bioversity International, Euforgen/Eufgis Coordinator)

12:30-14:00 *Buffet lunch (Room Biodiversity)*

### 14:00-15:10 Session 2: Marginal population genetics, detection and monitoring

Chair: **Bart De Cuyper**, INBO

- 14:10-14:30 **Aravanopoulos Ph.**, Avramidou E, Ganopoulos I, Katsidi E, Doulis A, "*Genetic and epigenetic variation at the European south-eastern rear edge margins of some forest trees*"
- 14:30-14:50 **Dagher Kharrat M**, Farhat P, "*Biogeography of Juniperus taxa in the eastern Mediterranean region*"
- 14:50-15:10 **Colin Kelleher**, "*Where north meets south – marginal populations in a benign climate*"
- 15:10-15:30 **Cavers S**, Donnelly K, "*Tree populations in Scotland: characteristics of forests at Europe's north-western periphery*"

### 15:30-17:00 Special Session for best Short Term Scientific Missions (15' each)

Chair: **Nicolas Picard**, FAO

- 15:30-15:45 **Gonzalez Diaz P**, "*Intraspecific variation of below-ground traits in Scots pine*"

15:45-16:00 **Bitz L**, “*Genetic erosion in European crab apple (Malus sylvestris L.) populations*”

*16:00-16:30 Coffee break and poster session*

16:30-16:45 **Jesus Serra M J**, “*Does phylogeographic structure relate to climatic niche divergence? A test using maritime pine (Pinus pinaster Ait.)*”

16:45-17:00 **de Dato G**, Teani A, Mattioni C, Monteverdi MC, Avramidou E, Ganopoulos I, Malliarou E, Villani F, Aravanopoulos F, Ducci F “*Genetic structure of Betula pendula (Roth) marginal populations in their Southern European limits*”

**17:00-18:30 Working group sessions**

Chair: **Paraskevi Alizoti**, Auth

Opening:

17:00 – 17:15 **Alizoti P G**, Garcia A F, Serra-Varela M J, Notivol E, Climent J, Aravanopoulos F, Fad B, Vendramin G G, Alia R, “*Relationship among marginality and variation of quantitative traits: first results of a case study for Aleppo and Maritime Pine*”

20:00 **Social dinner** [Chair: **Andrea Germani**, CEA SEL ;-)] Session “*Cucina Toscana*”

Trattoria Cavour 42  
Via Cavour, 42  
Arezzo  
T. 0039 0575 20131

**Wednesday, September 28, 2016**

**9:00-11:00 Session 2: Marginal population genetics, detection and monitoring (continuation)**

- 9:00-9:20 Ciocirlan E, Sofletea N, **Curtu A L** "*Genetic differentiation between marginal and core populations of common beech (Fagus sylvatica) in Romania*"
- 9:20-9:40 **Medak J**, Perić S, "*Maritime beech forest in Croatia as marginal beech population – vegetational approach*"
- 9:40-10:00 **Ducci F**, De Rogatis A., Belletti P., Marchi M., Proietti R., "*Monitoring Apennine Abies alba geographically marginal populations: an integrated research approach*"
- 10:00-10:20 **Westergren M**, Bozic G, Kraigher H "*Genetic diversity of autochthonous marginal and peripheral Norway spruce populations in comparison to populations in their optimum in Slovenia: case studies based on isoenzyme and nuclear SSR markers*"

10:40-11:10 Coffee break and **poster session**

**11:10-11:20 Session 3: Evolutionary factors and adaptation mechanisms in MaP FGR**

Chair: **Tore Skrøppa**, NBIO

- 11:20-11:40 **Skrøppa T**, Solvin Th, Steffenrem A "*Epigenetic response to climate conditions during the reproductive phase; an evolutionary factor of northern Norway spruce populations?*"
- 11:40-12:00 **Alizoti P**, Aravanopoulos F A "*Genetic variation of two contrasting for environmental marginality hellenic sweet chestnut populations and their plastic responses to interannual climatic variation*"

12:30-14:00 Buffet lunch

14:00-18:30 **Field trip: visit to an Apennine birch marginal population**

**Thursday, September 29, 2016**

**9:00 Session 3: Evolutionary factors and adaptation mechanisms in MaP FGR (continuation)**

- 9:00-9:20 **Sala G**, Lauteri M, La Mantia T, Garfi G *“Climate-growth relationships of Quercus gussonei (Borzi) Brullo in the Mediterranean region: adaptive traits and water use efficiency”*
- 9:20-9:40 **Alan M**, *“Comparison of genetic parameters between optimal and marginal populations of Oriental sweet gum”*
- 9:40-10:00 **De Cuyper B** *“Molecular evidence of autochthony of wild cherry (Prunus avium L.) populations based on its obligate allogamy”*
- 10:00-10:20 **Liberati D**, de Dato G, Guidolotti G, De Angelis P *“Shift in a plant community composition under climate change simulation: investigating the plant traits responsible for species success and decline”*
- 10:20-10:40 **David-Schwartz R**, *“Physiological and genetic mechanisms underlying drought stress response in Pinus halepensis”*
- 10:40- 11:00 **Marchi M**, Ducci F *“The use of national forest inventories for inventorying marginal populations: an application to the Italian database”* (Session 2, shifted for personal reasons)

**10:40-11:00 Round Table: the way forward**

Chair: **Fulvio Ducci** CREA SEL

**Kevin Donnelly**, CEH NERC

**Philippos Aravanopoulos**, AUTH

*11:00-11:30 Coffee break and poster session*

**11:00-13:00 Round Table: the way forward (continuation)**

13:00-13:30 Closure of the conference and final remarks

*13:30-14:30 Buffet lunch*

## Practical information

### Useful Contacts:

#### CREA SEL

Consiglio per la ricerca in agricoltura e l'analisi dell'economia agraria  
Centro di ricerca per la Selvicoltura [CREA SEL]  
Viale S. Margherita, 80  
52100 Arezzo – Italia  
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**Portable Fulvio Ducci** +39 333 3266077

[fulvio.ducci@crea.gov.it](mailto:fulvio.ducci@crea.gov.it)

**CARABINIERI** 112

**POLIZIA** 113

**Hospital Emergency Rescue** 118

**Taxi** +39 0575 382626

**Train timetable:** reservations to/from Arezzo: <http://www.trenitalia.com/>

From Florence and Rome there are direct train connections to Arezzo

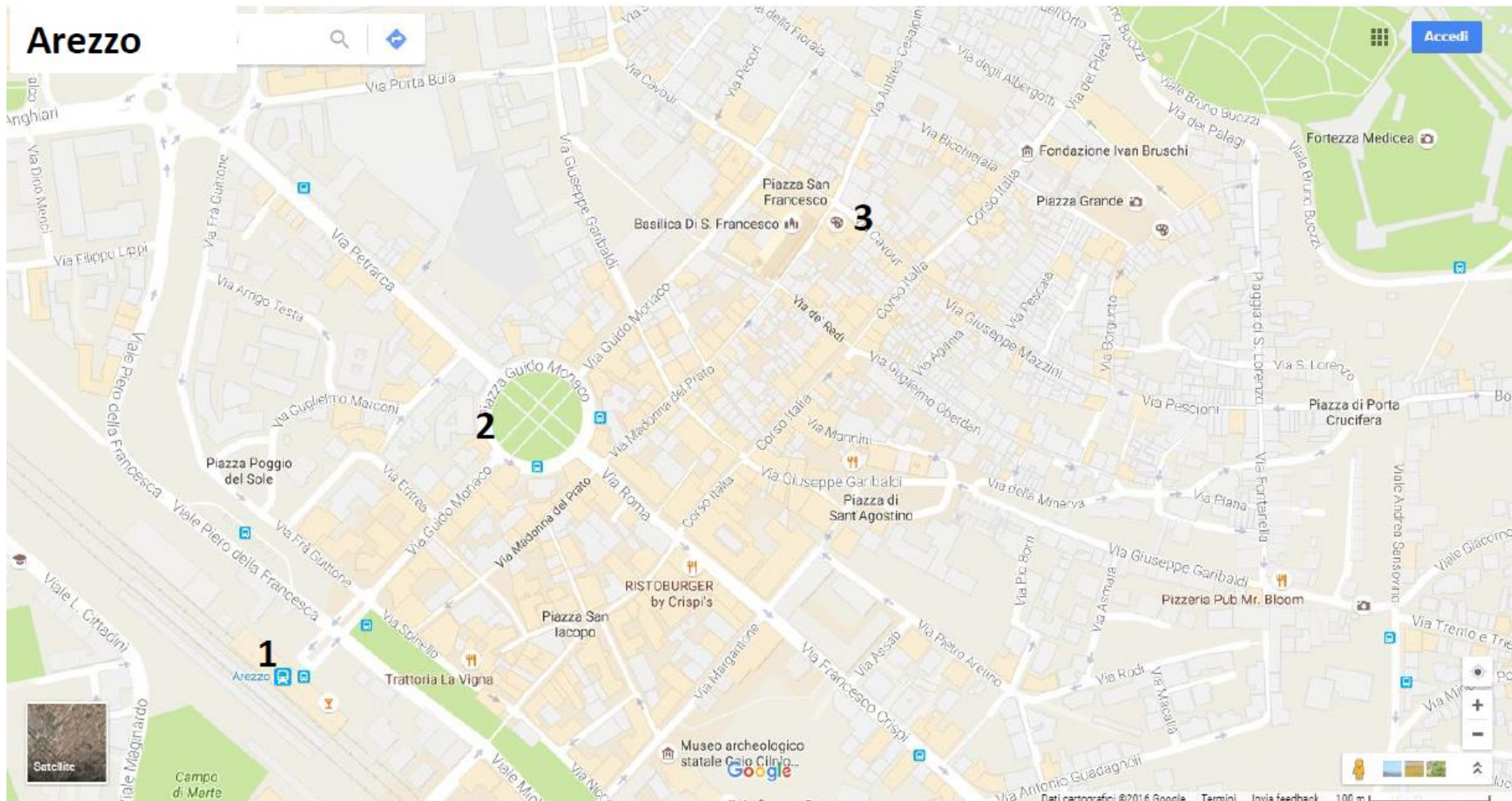
**Climate:** mild autumn, with maximum temperatures between 22-24 ° C (Arezzo elevation 350 m asl)

**Comfortable mountain boots and cloths** are suggested for the field trip. *Fonte allo Squarto* is located at about 1,000 m a.s.l.

## Shuttle Bus Arezzo city center – CREA SEL: (Moretti Bus Company).

Shuttle transfer service from/to Piazza Guido Monaco (Arezzo city center, in front of Hotel Continentale) to/from the venue with the following schedule:

Bus shuttle service timetable		
Day	Schedule time	Journey
Monday September 26 <sup>th</sup> 2016	1 pm	Guido Monaco square to CREA Forestry research centre
	6.30 pm	CREA Forestry research centre to Guido Monaco square
Tuesday September 27 <sup>th</sup> 2016	8.30 am	Guido Monaco square to CREA Forestry research centre
	6.30 pm	CREA Forestry research centre to Guido Monaco square
Wednesday September 28 <sup>th</sup> 2016	8.30 am	Guido Monaco square to CREA Forestry research centre
	2 pm	From CREA to Forestry research centre: <b>departure for the field trip</b>
Thursday September 29 <sup>th</sup> 2016	8.30 am	Guido Monaco square to CREA Forestry research centre
	2.30 pm	CREA Forestry research centre to Guido Monaco square



- 1 – Repubblica square: railway station and taxi rank (phone number: +39 0575 382626)
- 2 – Guido Monaco square: shuttle service from CREA – Forestry research centre (in front of Hotel Continentale)
- 3 – Cavour street, n. 42: Trattoria Cavour 42, social dinner