POPBIO 2022 PROGRAM

May 19th (Thursday) Aula Magna UNIBZ			
08:00	**Registration**		
09:00	**Welcome**	Johann Gamper, Vice-Rector for Research UNIBZ Camilla Wellstein, organizer of the conference UNIBZ Solveig Franziska Bucher and Sergey Rosbakh, speakers of the Working Group POPBIO/GFOE	
SESSION 1	**chair**	**Camilla Wellstein**	**GENETICS & EVOLUTION**
09:15	**Keynote**	**Emiliano Trucchi**	**Common bean domestication genomics and implications**
10:00	1	Sandner, Tobias	Continuous inbreeding affects genetic variation, phenology and reproductive strategy in ex situ cultivated *Digitalis lutea*
10:15	2	Wellstein, Camilla	Genetic and functional variation of *Vaccinium vitis-idaea* (Ericaceae) in ice holes microrefugia
10:30	3	Baric, Sanja	Genetic diversity of European chestnut trees in South Tyrol (northern Italy)
10:45	**coffee break**		
11:15	**poster session I (genetics & evolution)**		7 posters, 1 hour
12:30	**lunch**		
14:00	**Keynote**	**Niek Scheepens**	**The resurrection approach: case studies and general aspects**
14:45	4	Karitter, Pascal	A resurrection study reveals evolutionary changes in *Leontodon hispidus* after two decades of increasing temperatures and water scarcity
15:00	5	Münzbergová, Zuzana	Rapid evolution in populations of a long-lived dominant grass species *Festuca rubra*
15:15	6	Lukic, Natasa	Antioxidative mechanisms in transgenerational drought and waterlogging stress memory
15:30	**coffee break**		including group photo outdoors
16:00	**poster session II (all other sessions)**		12 posters, 2 hours
19:00	**conference dinner**		at Franziskaner Stuben at the historic city centre of Bozen-Bolzano

May 20th (Friday) Aula D 1.03 UNIBZ			
SESSION 2	**chair**	**Sergey Rosbakh**	**INTERACTION**
09:00	**Keynote**	**Claus Bässler ONLINE**	**Fungal functional ecology - towards a deeper understanding of fungal diversity**
09:45	7	Herol, Lior	The effect of ectomycorrhizal fungi on the response of Aleppo pine seedlings to drought and competition by a grass
10:00	8	Livne-Luzon, Stav	The ectomycorrhizal community composition of *Pinus halepensis* and *Cedrus deodara* and how it changes with host age
10:15	9	Moncalvillo, Belén	Host age strongly affects the performance of the root hemiparasitic plant *Rhinanthus alectorolophus*
10:30	10	Salman, Ibrahim	Bumblebee attraction to *Matthiola livida* flowers is altered by combined water stress and insect herbivory
10:45	**coffee break**		
SESSION 3	**chair**	**Solveig Franziska Bucher**	**ENVIRONMENTAL HETEROGENEITY, PLANT DIVERSITY AND ADAPTATION**
11:15	11	Tielbörger, Katja	Habitat heterogeneity does not affect species diversity - a rigorous experimental approach
11:30	12	Fischer, Felicia	Seasonal beta-diversity of dry grassland vegetation: divergent peaks of biomass and species richness
11:45	13	Franke, Luise	Promoting functional plant diversity in agricultural landscape
12:00	14	Seifan, Merav	I never promised you a rose garden – coping with hyper-arid conditions in the True Rose of Jericho (*Anastatica hierochuntica*)
12:30	**lunch**		

SESSION 4	**chair**	**Jitka Klimešová**	**PLANT TRAITS**
14:00	**keynote**	**Anna Bucharova**	**Seeding the future: Evolutionary perspective on seed based ecological restoration**
14:45	15	Rosbakh, Sergey	Machine learning algorithms predict soil seed bank persistence from easily available traits
15:00	16	Zhu, Jinlei	Density-dependence of fecundity and seed dispersal profoundly alters the spread of plant populations
15:15	17	Koubek, Tomas	Shoot senescence in herbaceous perennials of the temperate zone
15:30	**coffee break**		
16:00	18	Millan, Mathieu	Plant architecture can improve predictions of flowering thresholds in savanna woody species
16:15	19	Rauschkolb, Robert	Flowering leaf phenology are more variable and stronger associated to traits in herbaceous compared to tree species
16:30	20	Ferenc, Viktoria	Legume presence affects how traits determine fitness responses
16:45	21	Harris, Timothy	Herbs´ hidden biomass: rhizome size and its environmental correlates
17:00	22	Klimešová, Jitka	Is root-sprouting ability enabled by a low auxin to cytokinin ratio?
SESSION 3 continued			**ENVIRONMENTAL HETEROGENEITY, PLANT DIVERSITY AND INVASION**
17:15	23	Wei, Guanwen	Soil heterogeneity tends to promote the growth of naturalized aliens when competing with native plant communities
17:30	24	Chen, Duo	Plant-soil-feedback-mediated invasional meltdown may depend on community diversity
18:00 - 20:00	**meet the keynote**		

May 21th (Saturday) Aula Magna UNIBZ			
SESSION 5	**chair**	**Stefan Zerbe**	**ENVIRONMENTAL POLLUTION, RESTORATION AND CONSERVATION**
09:00	**Keynote**	**Florian Jansen**	**Changes of species distribution and abundance in Germany derived from legacy observational data**
09:45	25	Shemesh, Hagai	Doing more harm than good: when short-term responses don't predict the long-term consequences of a conservation management action
10:00	26	Bucher, Solveig Franziska	Plant ecophysiology as a tool to judge the success of ex situ conservation — a case study of *Minuartia smejkalii*
10:15	27	March Salas, Martí	Climbing affects cliff-plant communities by reducing species diversity and altering species coexistence patterns
10:30	**coffee break**		
11:00	28	Iberl, Katerina	Restoration of calcareous grasslands by recolonization after forest clearing and its impact on the genetic variation of three common herb species
11:15	29	Wang, Min	Dynamics of plant diversity during restoration of roadside slopes following large-scale construction work in the Western Sichuan Plateau
11:30	30	Tomiolo, Sara	Effects of plastic fragment size and concentration on plant performance are mediated by soil properties and water availability
11:45	**farewell, prizes**		
12:15	**lunch**		
13:00 - 19:00	**excursion**	**Inneralpine Vinschgau Valley - Val Venosta**	

POSTERS

poster session I (genetics and evolution)

1	Büse, Silas	Evolutionary responses in *Onobrychis viciifolia* to four generations of contrasting precipitation predictability: shifts in mean traits and inter-individual variation
2	Latzel, Vít	The role of DNA methylation in transgenerational adaptation of (a)sexual offspring of *Fragaria vesca* to future climatic conditions
3	Lampei, Christian	*Epilobium angustifolium* shows increasing maladaptation to south-western common garden with increasing latitude and longitude of origin
4	Voisin, Camille	From idiosyncratic to general phylogeographic patterns in the Eastern Alps. A comparative study of beech forest understorey species
5	Höfner, Johannes	Effects of sampling design on patterns of genetic variation of grassland plants across seed transfer zones in Germany
6	Durka, Walter	RegioDiv: Assessment of plant genetic variation as a basis for seed zone design in Germany
7	Iberl, Katerina	Restoring populations of the endangered plant species *Myricaria germanica* by reintroduction – is there an impact on genetic variation?

poster session II (all other sessions)

8	Klimešová, Jitka	How belowground traits may affect ecosystem function
9	Schnablová, Renáta	Vegetative preformation of overwintering buds as a potential source of phenology variation of temperate herbs
10	Thakur, Dinesh	Are climatic effects on twig economic traits similar to leaf economic traits?
11	Guo, Yaolin	Large-scale geographic variation in litter chemistry and palatability to detritivores in a widespread invasive plant versus its native competitor
12	Dostálek, Tomáš	Spatial variability in plant-soil feedback
13	Canessa, Rafaella	Plant responses to nutrient and drought limitation across a climate gradient in Chile
14	Bucher, Solveig Franziska	Artificial Light pollution at night (ALAN) affects plant performance and abundance
15	Bhatt, Tarun	Role of jasmonate in plant-microbe interactions and plant stress resistance
16	Amputu, Vistorina	Mapping rangeland condition indicators in arid savannahs using drone technology
17	Wódkiewicz, Maciej	Evaluating eradication feasibility with USEF
18	Riemenschneider, Adriana	Spatio-temporal variation of natural pest control in pesticide-free winter wheat compared to conventional and organic cropping systems
19	Rathore, Nikita	Variation in root exudation is linked to phylogeny and explained by plant root traits