



GMBA NEWS – JULY 2019

Dear GMBA colleagues,

Here comes a last update on what is happening in the mountain biodiversity community before a two-week summer break.

We are very much looking forward to re-engaging with you early August and to being swamped with updates and ideas.

To all of you a great summer and good luck in the field!

Davnah on behalf of the GMBA team

NETWORK NEWS

PhD course on functional ecology “Go Belowground”

The Institute of Botany, Department of Functional Ecology from Trebon, Czech Republic, organizes the 3rd course Go belowground! (not only for PhD students) from 15 to 21 September 2019. The course will focus on the theoretical background and the practical assessment of functional traits of belowground plant organs in temperate herbs. This includes the description and analysis of clonal, bud bank, and other plant life–history traits using methods of plant morphology, architecture and anatomy. [Read more...](#)

Call for papers - Mountain landscapes: protected areas, ecosystem services and future challenges

A significant proportion of the global population depends on goods and services provided by mountain regions, including fresh water, raw materials, and recreation. However, mountain regions all over the world are facing multiple challenges due to environmental and socio-economic changes with related impacts on human livelihood, economy, and ecosystems. This Special Issue of Ecosystem Services therefore aims at addressing important knowledge gaps focusing on basic understanding of ecological functions and its drivers of change in mountain landscapes as well as on societal trends in and outside mountain regions to be able to cope with future challenges. A particular focus is set on protected areas that are interested in the management and the preservation of the biodiversity and the landscapes, through scientific research, environmental education, and the promotion and the development of sustainable tourism. **Deadline for submission: 30.11.2019.** [Read more...](#)

Call for papers - Impact of invasive species and climate change on plant biodiversity

Invasive alien species (IAS) and climate change are two of the main drivers of change in Earth's ecosystems. Globalization has been responsible for the introduction of plant species in many areas of the world. The consequent increases in propagule pressure and ever-growing human-induced disturbances pose a serious threat to native ecosystems by promoting the spread of alien plant species. The aim of this Special Issue in Diversity is to highlight new research in understanding the impacts of IAS and climate change on plant biodiversity and identify possible solutions to mitigate expected impacts. **Deadline for paper submission: 31.08.2019.** **Deadline for submission: 31.08.2019.** [Read more...](#)

World Biodiversity Forum – Call for Session and Workshop Proposals now open!

The World Biodiversity Forum organizers are now accepting proposals for thematic sessions and interactive workshops. Sessions should cut across disciplines, cover a diversity of perspectives and visions and address current topics in novel ways. **Deadline for submission: 21.07.2019.** [Read more...](#)

Human Migration and Global Change: global scoping process

Future Earth invites contributions to research priorities and recommendations on human migration and global change, as input to a Belmont Forum scoping process. Migration and global change is a burning topic in mountains worldwide. Mountain science community, this is an opportunity to formulate priorities for our mountain populations! **Deadline for contributions: 14.08.2019.** [Read more...](#)

Systems of Sustainable Consumption and Production: A Future Earth and Belmont Forum global scoping process

Future Earth and the Belmont Forum have recently developed a white paper on knowledge gaps and research priorities for Systems of Sustainable Consumption and Production. They now invite the global community to review the white paper and give feedback in order to see if there are any missing pieces that have not yet been addressed.

Feedback will be incorporated into a final version of the document that will then serve as input to a Belmont Forum scoping process for a future Collaborative Research Action. **Deadline for contributions: 14.08.2019.** [Read more...](#)

New agricultural research funding opportunity from French National Research Agency (ANR)

The French National Research Agency (ANR) is launching a call for projects "Cultivate and protect differently" as part of the Investments of the Future to enable the emergence, by 2030-2040, of a pesticide-free agriculture that intensively mobilizes the principles of control and agroecology. It aims to fund long-term collaborative research projects, contributing knowledge and solutions for the development of new practices and pesticide-free agricultural production systems. **Deadline for applications is 04.12.2019.** [Read more...](#)

FOR THE AGENDA

International Mountain Conference 2019

The IMC 2019 will take place 08 - 12 September 2019 in Innsbruck, Austria. It aims to build upon the three previous mountain conferences that took place in Perth, Scotland, continuing this special scientific conference series with a focus on mountain-specific topics. Hosted in the Alps, the IMC 2019 will provide an excellent opportunity for experts from different disciplines to come together and discuss mountain-related issues. [Read more...](#)

19th European Carabidologists Meeting

The ECMs are scientific meetings where researchers from Europe and other countries informally discuss about the ecology, biogeography, and evolution of carabid beetles. The central topic of the 19th edition, which will take place September 16th-20th in Diera di Primiero (Dolomites), Italy, is "Carabids in extreme environments". [Read more...](#)

Caucasus Mountain Forum 2019

The Second Caucasus Mountain Forum (Ankara, Turkey, 30.10 – 02.11.2019) follows in the footsteps of CMF 2016 in serving as a crucial opportunity for constructive interaction between scientists, governmental experts, and practitioners; debate on opportunities and challenges; and contributions to the improved coordination of sustainable development in the Caucasus region. [Read more...](#)

World Biodiversity Forum

First of its kind, the World Biodiversity Forum (Davos, Switzerland, 23.02-28.02.2020) will bring together leading researchers, early career researchers, practitioners, representatives from different sectors, decision-makers and societal actors to have a conversation on the kind of future we want (and/or do not want) for biodiversity. [Read more...](#)

NETWORK PUBLICATIONS

- Adamczyk et al. (2019). The soil microbiome of GLORIA mountain summits in the Swiss Alps. *Frontiers in Microbiology* ([DOI: 10.3389/fmicb.2019.01080](#))
- Bentley et al. (2019). Range contraction to a higher elevation: the likely future of the montane vegetation in South Africa and Lesotho. *Biodiversity and Conservation* 28(1): 131-153 ([DOI: 10.1007/s10531-018-1643-6](#))
- Dhakal and Kattel (2019). Effects of global changes on ecosystems services of multiple natural resources in mountain agricultural landscapes. *Science of The Total Environment* 676(1): 665-682 ([DOI: 10.1016/j.scitotenv.2019.04.276](#))
- Faccioni et al. (2019). Socio-economic valuation of abandonment and intensification of Alpine agroecosystems and associated ecosystem services. *Land Use Policy* 81: 453-462 ([DOI: 10.1016/j.landusepol.2018.10.044](#))
- Gong et al. (2019). Integration of InVEST-habitat quality model with landscape pattern indexes to assess mountain plant biodiversity change: A case study of Bailongjiang watershed in Gansu Province. *Journal of Geographical Sciences* 29(7): 1193-1210. ([DOI: 10.1007/s11442-019-1653-7](#))
- González de Andrés et al. (2019). ENSO and NAO affect long-term leaf litter dynamics and stoichiometry of Scots pine and European beech mixedwoods. *Global Change Biology* ([DOI: 10.1111/gcb.14672](#))
- Kidane et al. (2019). Dead end for endemic plant species? A biodiversity hotspot under pressure. *Global Ecology and Conservation* 19, e00670 ([DOI: 10.1016/j.gecco.2019.e00670](#))
- Kulonen et al. (2019). Spatial context matters in monitoring and reporting on Sustainable Development Goals: Reflections based on research in mountain regions. *GAiA* 28(2): 90-94 ([DOI: 10.14512/gaia.28.2.5](#))
- Malanson et al. (2019). Mountain plant communities: Uncertain sentinels? *Progress in Physical Geography: Earth and Environment* ([DOI: 10.1177/0309133319843873](#))
- Martin-Lopez et al. (2019). Nature's contribution to people in mountains: a Review. *PLOS ONE* ([DOI: 10.1371/journal.pone.0217847](#))
- Mitchell Aide et al. (2019). Woody vegetation dynamics in the tropical and subtropical Andes from 2001 to 2014: Satellite image interpretation and expert validation. *Global Change Biology* ([DOI: 10.1111/gcb.14618](#))
- Peters et al. (2019). Climate–land-use interactions shape tropical mountain biodiversity and ecosystem functions. *Nature* 568: 88-92 ([DOI: 10.1038/s41586-019-1048-z](#))

- Resano-Mayor et al. (2019). Snow cover phenology is the main driver of foraging habitat selection for a high-alpine passerine during breeding: implications for species persistence in the face of climate change. *Biodiversity and Conservation* (DOI: [10.1007/s10531-019-01786-9](https://doi.org/10.1007/s10531-019-01786-9))
- Salick et al. (2019). Rapid changes in eastern Himalayan alpine flora with climate change. *American Journal of Botany* 106(4): 520-530 (DOI: [10.1002/ajb2.1263](https://doi.org/10.1002/ajb2.1263))
- Schirpke et al. (2019). A transnational perspective of global and regional ecosystem service flows from and to mountain regions. *Scientific Reports* 9: 6678 (DOI: [10.1038/s41598-019-43229-z](https://doi.org/10.1038/s41598-019-43229-z))
- Winkler et al. (2019). Alpine plant community responses to climate warming. In: Mohan JE (Ed.) *Ecosystem Consequences of Soil Warming: Microbes, Vegetation, Fauna, and Soil Biogeochemistry*. Elsevier (DOI: [10.1016/B978-0-12-813493-1.00013-2](https://doi.org/10.1016/B978-0-12-813493-1.00013-2))

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