

CURRICULUM VITAE

Personal Information

Name: **Hann Patrick**
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University Education

June 2007 **Doctor of natural sciences** (University of Vienna)
2002 - 2007 Doctoral studies in Zoology at the University of Vienna

November 2001 **Master of natural sciences** (University of Vienna)
1995 - 2001 Studies in Zoology/Agroecology at the University of Vienna

Work experience

since 2014: **Managing director of MELES GmbH – Consulting Engineers for Biology, St. Pölten, Austria**
*The company conducts research projects and offers services in the field of **agroecology** with focuses on **soil pests**, biodiversity in agricultural landscapes and project management: www.melesbio.at*

2002 - 2014: Researcher at the institute **Bio Forschung Austria**, Vienna (formerly **Ludwig Boltzmann Institute for Organic Agriculture and Applied Ecology**); Main task: Management of **on-farm research projects** on biological pest control and biodiversity

since 2011: Peer-reviewing service for several ISI ranked journals

Projects (selection)

since 2016 "Alternative methods in wireworm control for potatoes"; tasks of MELES: scientific support, finding adequate field sites for experiments; assigned by "ARGE Drahtwurm"; funded by: LE 14-20 (EIP-AGRI); Republic of Austria (BMLFUW), Federal states of Austria and European Union
<http://www.melesbio.at/projects/eip-dw/>

since 2016	COMBIRISK - "COMBIned weather related RISK assessment monitor for tailoring climate change adaptation in Austrian crop production"; MELES contributes to finding relationships between damages in potatoes, caused by pests insects and diseases, and weather conditions; applicant: University of Natural Resources and Life Sciences, Vienna (BOKU); funded by: Austrian Climate Research Programme – ACRP, Klima- und Energiefonds http://www.melesbio.at/projects/eip-dw/
since 2016	ElatPRO - " Spotting the needle in a haystack: Predicting wireworm activity in top soil for integrated pest management in arable crops"; MELES conducts continuous wireworm activity monitoring at field sites in eastern Austria and provides experience and expertise to the model design and validation; Leadpartner: Austrian Agency for Health and Food Safety (AGES); funded by: Republic of Austria (BMLFUW) and European Union (C-IPM)
2016 - 2018	„Organic dock control – development and implementation with clearwing moths“; tasks of MELES: project coordinator, scientific support; MELES is member of the Operational Group; funded by: LE 14-20 (EIP-AGRI), Republic of Austria (BMLFUW), Federal states of Austria and European Union http://www.melesbio.at/ampferglasfluegler/
2015	„M-Trap 2015“ - Development and evaluation of a new wireworm bait trap design for estimating the wireworm damage risk in agricultural fields; funded by: NÖ Wirtschafts- und Toursimusfonds, 3109 St. Pölten, Austria
2013 - 2014	StartClim2013.G: Validation of the wireworm prognosis model SIMAGRIO-W, basing on soil temperature and soil moisture, in Eastern Austrian agriculture; funded by: BMLFUW, BMWF, ÖBF, Upper Austria; final report at: http://www.austroclim.at/fileadmin/user_upload/StartClim2013_reports/StC12013G_lang.pdf
2012 - 2014	ECOWIN AT-CZ, ECOWIN AT-SK and ECOWIN AT-HU: Nature conservation through greening in viticulture; funded by: European Regional Development Fund, Environmental Protection Vienna
2010 - 2012	CLIMSOIL - GIS data base and methodology for estimating impacts of climate change on soil temperatures and related risks for Austrian agriculture; funded by: Austrian Climate and Energy Fund
2006 - 2009	MUBIL II - Monitoring the conversion to organic farming; subproject beneficial organisms; funded by: BMLFUW - Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management
2006 - 2009	New approaches to regulate wireworms, with a special emphasis on organic farming; funded by: Cooperation of the BMLFUW and Austrian Federal States; final report at: https://www.dafne.at/prod/dafne_plus_common/attachment_download/be2b7ff9f29d2a0b20b4f8459b13c6f/Drahtwurm_1448_Endbericht.pdf
2008	StartClim2008.C: Practical testing of the monitoring concept “Adaptations of insect pests to climate change in crop production of eastern Austria” by investigating the distribution of current cutworm (<i>Agrotis segetum</i> , Schiff.; Fam. Noc-tuidae) damage as a function of site-related and climatic factors; Funded by: open consortium; final report at: http://www.startclim.at/fileadmin/user_upload/reports/StCl08C.pdf

- 2007 StartClim2007.C: Adaptations of insect pests to climate change in crop production of eastern Austria: conception of a long-term monitoring system; funded by: open consortium; final report at: http://www.startclim.at/fileadmin/user_upload/reports/StCl07C.pdf
- 2006 StartClim2006.C: Effects of climate change on the dispersion of white grub damages in the Austrian grassland.; funded by: open consortium; final report at: http://www.startclim.at/fileadmin/user_upload/reports/StCl06C.pdf
- 2004 - 2006 Investigations about the occurrence of the dock leaf-beetle and its potential for biological control of the broad-leaved dock; funded by: Cooperation of the BMLFUW and Austrian Federal States; final report at: https://www.dafne.at/prod/dafne_plus_common/attachment_download/17dff79324f43c98502193a7747ac7f1/Abschlussbericht_1318_Ampfer_Teil_1.pdf
- 2005 StartClim2005.C3a: Impacts of climate change on agricultural pests and antagonists in organic farming in Eastern Austria; funded by: open consortium; final report at: http://www.startclim.at/fileadmin/user_upload/reports/StCl05C3a.pdf

Scientific Publications

- Hann P, Wechselberger K, Trska C, Schmid R, Kromp B, Jung J, Eitzinger J (2014): Validation of the wireworm prognosis model SIMAGRIO-W, basing on soil temperature and soil moisture, in Eastern Austrian agriculture. Final report of the project StartClim2013.G in StartClim2013: Adaptation to climate change in Austria – “Water”, funding: BMLFUW, BMWF, ÖBF, federal state of Upper Austria
(http://www.austroclim.at/fileadmin/user_upload/StartClim2013_reports/StCl2013G_lang.pdf)
- Hermann A, Brunner N, Hann P, Wrba T, Kromp B (2013) Correlations between wireworm damages in potato fields and landscape structure at different scales. *Journal of Pest Science*, 86, 41-51
(http://www.researchgate.net/profile/Thomas_Wrba/publication/230704387_Correlations_between_wireworm_damages_in_potato_fields_and_landscape_structure_at_different_scales/links/0912f5059e99457d80000000.pdf)
- Hann P, Trska C, Wechselberger KF, Eitzinger J, Kromp B (2015) *Phyllopertha horticola* (Coleoptera: Scarabaeidae) larvae in eastern Austrian mountainous grasslands and the associated damage risk related to soil, topography and management. *SpringerPlus* 4, 139
(<http://www.springerplus.com/content/4/1/139>)
- Hann P, Trska C, Kromp B (2012) Effects of management intensity and soil chemical properties on *Rumex obtusifolius* in cut grasslands in Lower Austria. *Journal of Pest Science*, 85, 5-15
(<http://link.springer.com/article/10.1007/s10340-011-0390-1>)
- Zaller JG, Wechselberger KF, Gorfer M, Hann P, Frank T, Wanek W, Drapela T (2013) Subsurface earthworm casts can be important soil microsites specifically influencing the growth of grassland plants. *Biology and Fertility of Soils*, 49, 1097-1107
(<http://link.springer.com/content/pdf/10.1007%2Fs00374-013-0808-4.pdf>)
- Hann P., Gruenbacher E.-M., Kromp B. (2010): Ground beetle biodiversity (Coleoptera, Carabidae) at an arable farm under conversion to organic cultivation in Eastern Austria (Poster). book of abstracts, 40th anniversary conference der Gesellschaft für Ökologie, Justus Liebig Universität Giessen, August 30th to Sep 3rd 2010, p. 304.

Hann P, Kromp B (2009) Untersuchungen zur Niederschlagsabhängigkeit der Verbreitung des Ampferblattkäfers (*Gastrophysa viridula*). Tagungsband der 10. Wissenschaftstagung - Ökologischer Landbau, Zürich, 11. - 13. Februar 2009, 171 - 174
(http://orgprints.org/14356/1/Hann_14356.pdf)

Hann P, Grünbacher EM, Trska C, Kromp B (2008) Effects of climate change on the dispersion of white grub damages in the Austrian grassland. Bioacademy 2008 - Proceedings, Lednice na Moravě, 3. - 5. September 2008, 62 - 65
(http://orgprints.org/15730/1/Grub_damages_Hann_et_al_2008.pdf)

Hann P, Kromp B (2003) Der Ampferblattkäfer (*Gastrophysa viridula* Deg.) - ein Pflanzenfresser als Nützlichling in der biologischen Grünlandwirtschaft. Entomologica Austriaca, 8/2003, 10 - 13
(http://www.landesmuseum.at/pdf_frei_remote/ENTAU_0008_0010-0013.pdf)

St. Pölten, March 2018