

# Plant-insect relationships from the ecosystem to the molecular level

Plants in the field are surrounded by myriads of insects. These insects use their flight capacity in search of food, mates and shelter or nests, and locate these crucial resources guided by chemical and physical stimuli. In agroecosystems, feeding herbivores compete with man for food, a highly critical aspect in view of the increasing global food shortage and the urgent demand for sufficient and healthy human nutrition. We investigate insect-plant relationships, in particular as a basis for more sustainable crop and pest management. Bottom-up approaches aim at strengthening the plant's defense, leading to more resistant genotypes or to the exploitation of useful biotic or abiotic environmental influences. Top-down approaches aim at enhancing efficacy of natural antagonists such as parasitoid wasps that can be mass-reared in reliable quality and released in biological control programs.

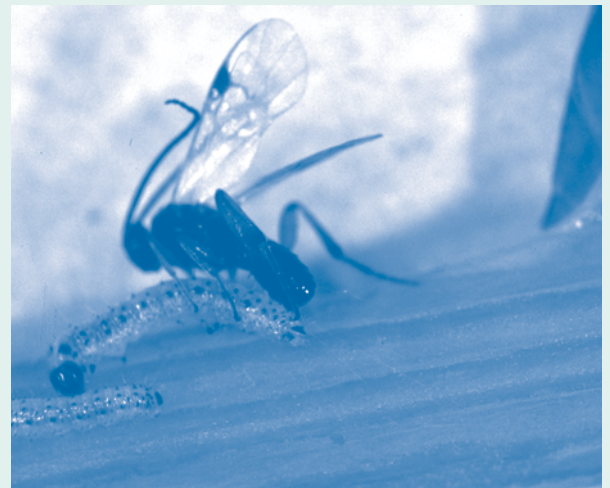
Key research topics with herbivore pest insects, parasitoids and native bees include dispersal behavior of insects in agroecosystems, chemically and physically mediated relationships, and multitrophic interactions between crop plants and insects.

## Research focus

- Dispersal behavior
- Chemical and physical ecology
- Multitrophic interactions

## Interdisciplinarity

- Crop science
- Plant physiology
- Organic chemistry
- Molecular biology



Knowledge on distances that can be flown by native bees between their nesting site and their pollen plant will support successful defragmentation efforts in agricultural landscapes (above).

The parasitoid female locates the feeding caterpillar by means of herbivore-induced volatiles that are subject to seasonal changes, rendering certain time periods particularly suitable for efficient biological control (below).



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### Liste 1: Promotionsarbeiten

	Betreuer(in)	Doktorand(in) und Titel	Anzahl der Betreuer
1.	Dorn, Silvia	Praz, Christophe; Host plant specialization in wild bees of the genus <i>Chelostoma</i>	2
2.	Dorn, Silvia	Stöckli, Sibylle; Intraspecific variability of apple trees and its impact on arthropod herbivores	2
3.	Dorn, Silvia	Vogler, Ute; The impact of different apple genotypes on multitrophic interactions	2
4.	Dorn, Silvia	Elias, Jan; Inbreeding depression and its avoidance in a parasitoid with <i>sl-CSD</i>	2
5.	Dorn, Silvia	Plath, Mirco; Increased plant health in silvopastoral and pasture-afforestation systems	2
6.	Dorn, Silvia	Torriani, Marco; Dispersal in <i>Cydia molesta</i>	2
7.	Dorn, Silvia	Gutbrodt, Bettina; Effects of water stress intensity and phenology on constitutive and induced plant resistance	2
8.	Dorn, Silvia	Ruf, Daniel; Avoidance of costs of inbreeding in a parasitic wasp with complementary sex determination	2
9.	Dorn, Silvia	Zurbuchen, Antonia; Foraging ranges of native bees	2
10.	Dorn, Silvia	Sedivy, Claudio; Asteraceae and solitary bees: Interactions between two highly successful groups of organisms	2

### Liste 4: Forschungsprojekte

	Projekt-ID	Projektleiter	Titel
1.	5840	Dorn, Silvia	Patterns of dispersal in codling moth
2.	5841	Dorn, Silvia	Plant-derived volatiles influence the behaviour of codling moth
3.	5843	Dorn, Silvia	Behavioural ecology of <i>Hyssopus pallidus</i> , a larval parasitoid of the codling moth <i>Cydia pomonella</i> .
4.	5846	Dorn, Silvia	Post-harvest losses in legumes: prevention by integrated biological means
5.	5848	Mueller, Andreas	Distribution atlas of the bees of Switzerland
6.	5849	Dorn, Silvia	Host location mechanisms of the oriental fruit moth, <i>Cydia molesta</i>
7.	5850	Dorn, Silvia	Induced plant defence modifies host-searching of parasitic wasps: mechanisms
8.	5851	Dorn, Silvia	Genetics of parasitoids
9.	5853	Dorn, Silvia	Apple plant architecture and development rate of

			the codling moth
10.	5854	Dorn, Silvia	Vibrational sounding in host searching and multisensory orientation in Pimplinae parasitoids
11.	5855	Dorn, Silvia	From the behavioural to the molecular level in insect-plant interactions
12.	14863	Dorn, Silvia	Exploiting chemically-mediated trophic interactions for <i>Cydia molesta</i> population management by a parasitoid
13.	14864	Dorn, Silvia	The impact of apple genotype on multitrophic interactions
14.	21265	Dorn, Silvia; Mazzi, Dominique	Costs of inbreeding and their avoidance in a parasitoid wasp with complementary sex determination
15.	21273	Dorn, Silvia	Sustainable agroforestry with increased plant health and reduced insect damage to improve small farmers' livelihood in the tropics
16.	21275	Dorn, Silvia	Native bees: From the behavioural to the landscape level

#### Liste 5: Wissenschaftliche Publikationen

a) Referierte Publikationen				
	Publikations-ID	Autoren	Titel	Erschienen in
1.	43260	Connor, E. C., Rott, A. S., Zeder, M., Dorn, S. and Jüttner, F.	<sup>13</sup> C-labelling patterns of green leaf volatiles indicating different dynamics of precursors in Brassica leaves.	Phytochemistry
2.	43265	Hein, S. and Dorn, S.	The parasitoid of a fruit moth caterpillar utilizes fruit components as nutrient source to increase its longevity and fertility.	Biological Control
3.	43261	Häckermann, J., Rott, A. S. and Dorn, S.	Consequences of mixed species infestation on the success of a larval parasitoid for biological control.	BioControl
4.	43263	Häckermann, J., Rott, A. S., Tschudi-Rein, K. and Dorn, S.	Cold stored ectoparasitoid of <i>Cydia</i> fruit moths released under different	BioControl

			temperature regimes.	
5.	43267	Kroder, S., Samietz, J., Stabentheiner, A. and Dorn, S.	Body temperature of the parasitic wasp <i>Pimpla turionellae</i> (Hymenoptera) during host location by vibrational sounding.	Physiological Entomology
6.	43270	Müller, A. K. and Kuhlmann, M.	Pollen hosts of western palaeartic bees of the genus <i>Colletes</i> (Colletidae) - the Asteraceae paradox.	Biological Journal of the Linnean Society
7.	43274	Piñero, J. C., Galizia, C. G. and Dorn, S.	Synergistic behavioural responses of female oriental fruit moths (Lepidoptera: Tortricidae) to synthetic host plant-derived mixtures are mirrored by odour-evoked calcium activity in their antennal lobes.	Journal of Insect Physiology
8.	43277	Praz, C. J., Müller, A., Danforth, B.N., Griswold, T.L., Widmer, A. and Dorn, S.	Phylogeny and biogeography of bees of the tribe Osmiini (Hymenoptera: Megachilidae).	Molecular Phylogenetics and Evolution
9.	43275	Praz, C., Müller, A. and Dorn, S.	Specialized bees fail to develop on non-host pollen: do plants chemically protect their pollen?	Ecology
10.	43276	Praz, C., Müller, A. and Dorn, S.	Host recognition in a pollen-specialist bee: evidence for a genetic basis.	Apidologie
11.	43278	Sarvary, M.A., Bloem, K.A., Bloem, S., Carpenter, J.E., Hight, S.D. and Dorn, S.	Diel flight pattern and flight performance of <i>Cactoblastis cactorum</i> (Lepidoptera: Pyralidae) measured on a flight mill: Influence of age, gender, mating status, and body size.	Journal of Economic Entomology
12.	43279	Sarvary, M.A., Hight, S.D., Carpenter, J.E., Bloem S., Bloem K.A.	Identification of factors influencing flight performance of field-	Environmental Entomology

		and Dorn, S.	collected and laboratory-reared, overwintered, and nonoverwintered cactus moths fed with field-collected host plants.	
13.	43280	Sedivy, C., Praz, C.J., Müller, A., Widmer, A. and Dorn, S.	Patterns of host-plant choice in bees of the genus <i>Chelostoma</i> : the constraint hypothesis of host-range evolution in bees.	Evolution
14.	43282	Stoeckli, S., Mody, K. and Dorn, S.	<i>Aphis pomi</i> population development, shoot characteristics, and antibiosis resistance in different apple genotypes.	Journal of Economic Entomology
15.	43281	Stoeckli, S., Mody, K. and Dorn, S.	Influence of canopy aspect and height on codling moth (Lepidoptera: Tortricidae) larval infestation in apple, and relationship between infestation and fruit size.	Journal of Economic Entomology
16.	43283	Stoeckli, S., Mody, K., Gessler, C., Patocchi, A., Jermini, M. and Dorn, S.	QTL analysis for aphid resistance and growth traits in apple.	Tree Genetics & Genomes
17.	43284	Ungricht, S., Müller, A. and Dorn, S.	A taxonomic catalogue of the Palaearctic bees of the tribe Osmiini (Hymenoptera: Apoidea: Megachilidae).	Zootaxa
18.	43285	Velten, G., Rott, A. S., Conde Petit, B. J., Cardona, C. and Dorn, S.	Improved bruchid management through favorable host plant traits and natural enemies.	Biological Control

#### b) Monografien

	Publikations-ID	Autoren	Titel	Erschienen in
1.	43337	Buchmann, N., Dorn, S., Mody, K., Plath, M.,	Agroforestry for carbon sequestration to improve small farmer's livelihoods.	North-South Centre Annual Report 2007, p.26

		Eugster, M., and Wolf, S.		
2.	43286	Praz, C.	Floral specialization in solitary bees. A case study of the osmiine bees.	
3.	43287	Stoeckli, S.	Host-plant resistance in apple ( <i>Malus x domestica</i> Borkh.) to common herbivore pests.	
4.	41404	Velten, G.	Host-plant resistance in dry beans: implications for tri-trophic interactions and hydration properties	
5.	43340	Vogler, U., Rott, A.S., Gessler, C. and Dorn, S.	Einfluss der Transgenese auf Pflanzen-Insekten-Beziehungen im Apfelsystem, insbesondere auf chemisch vermittelte Wechselwirkungen.	Biosicherheit im Bereich der ausserhumanen Gentechnologie, Swiss Federal Office for the Environment (BAFU), Bern

c) Varia

	Publikations-ID	Autoren	Titel	Erschienen in
1.	43818	Coch, T., Schmid, M. and Steck, C.	Die Bedeutung der Habitatkontinuität für die Fauna in der Kulturlandschaft.	Culterra
2.	43819	Kroder, S., Samietz, J., Stabentheiner, A. and Dorn, S.	Influence of temperature on host location and multisensory orientation in the parasitoid <i>Pimpla turionellae</i> (L.) (Hymenoptera).	Mitteilungen der Deutschen Gesellschaft für allgemeine und angewandte Entomologie
3.	43820	Müller, A.	Scientific note on a specialized pollen-harvesting device in European bees of the genus <i>Tetraloniella</i> (Apidae, Eucerini).	Linzer biologische Beiträge
4.	43821	Schmid, M. and Coch, T.	Xylophagous beetles as indicators for long-term time and space continuity of forest habitats? Preliminary project report.	Revue d' Ecologie (La Terre et la Vie)

## Liste 6: Vorträge vor wissenschaftlichem Publikum

a) Eingeladene Vorträge vor wissenschaftlichem Publikum		
	Redner	Titel
1.	Bloem, S., Dorn, S., Sarvary, M., Hight, S., Bloem, K., Carperter, J.E., Zimmermann, H., Floyd, J.P.:	Understanding the factors that influence the geographic expansion of <i>Cactoblastis cactorum</i> in non-native habitats. South Africa, Durban, July 6-12, 2008, XXIII International Congress of Entomology, Symposium on "Sampling and modeling the spatial response of insects across spatial scales".
2.	Dorn, S.:	Effects of connectivity interventions at species/population level. Switzerland, Birmensdorf, May 13, 2008, Workshop on "Enhancing ecosystem connectivity through intervention – a benefit for nature and society?" at the Swiss Federal Research Station for Forest, Snow and Landscape WSL.
3.	Dorn, S., Velten, G., Rott, A., Schmale, I.:	Combining top-down and bottom-up forces to control bruchids: larval parasitoid and protein-based host plant resistance. South Africa, Durban, July 6-12, 2008, XXIII International Congress of Entomology, Symposium on "Biological control of stored product insects".
4.	Dorn, S., Kuehrt, U., Samietz, J., Stoeckli, S., Mody, K.:	Movement towards favorable microhabitats on the apple tree by <i>Cydia pomonella</i> caterpillars. South Africa, Durban, July 6-12, 2008, XXIII International Congress of Entomology, Symposium on "Traversing a treacherous landscape: caterpillar movement and behavior on whole plants at multiple scales".
5.	Dorn, S., Häckermann, J., Hein, S.:	The parasitoid <i>Hyssopus pallidus</i> , a candidate biocontrol agent of the codling moth. Switzerland, Lucerne, October 20-21, 2008, 3rd Annual Biocontrol Industry Meeting.
6.	Dorn, S.:	Insect endocrinology and immunology.

		Switzerland, Zurich, November 22, 2008, ETH Tag, Laudatio for Honorary Doctor Prof. Dr. Nancy E. Beckage, ETH Zurich.
7.	Dorn, S., Schmale, I., Velten, G., Rott, A.:	Avoiding and reducing post-harvest losses. Switzerland, Zurich, December 12, 2008, Conference on the world food situation “How to ensure food security today and tomorrow?”, organized by the North-South Centre and Syngenta Foundation for Sustainable Agriculture, ETH Zurich.
8.	Mazzi, D., Torriani, M., Hein, S. and Dorn, S.:	Direct and correlated responses to artificial selection on dispersal propensity in the oriental fruit moth. Switzerland, Neuchâtel October 24, 2008, Seminar at the University of Neuchâtel.
9.	Mody, K., Eichenberger, D. and Dorn, S.:	Drought effects on plant resistance: water stress increases or reduces plant resistance to pest insects depending on stress intensity. Switzerland, Zürich, September 12, 2008, Jahrestagung der Schweizerischen Gesellschaft für Phytomedizin.
10.	Müller, A.:	Wildbienen und Blüten: Einblicke in ein faszinierendes Wechselspiel. Schweiz, Bern, March 8, 2008, Jahrestagung der Schweizerischen Entomologischen Gesellschaft.
11.	Praz, C. J., Müller, A. and Dorn, S.:	Floral specialization in solitary bees. A case study of the mason bees. USA, Logan, September 10, 2008, Seminar at the University of Logan.
12.	Praz, C. J., Müller, A. and Dorn, S.:	Floral specialization in solitary bees. A case study of the mason bees. Switzerland, Bern, September 15, 2008, Seminar at the University of Bern.
13.	Rott, A., Connor, E. and Dorn, S.:	To land or not to land – foraging decision of <i>Cortesia glomerata</i> . UK, Rothamsted, April 2, 2008, Royal Entomological Society, Special Interest Group – Insect Behaviour.
14.	Stöckli, S., Mody, K. and Dorn, S.:	Schädlings-Resistenz beim Apfel: Identifikation von Resistenz-Genen zur Unterstützung einer effizienten Züchtung neuer Apfelsorten. Switzerland, Bern, March 7-8, 2008,

		Jahrestagung der Schweizerischen Entomologischen Gesellschaft.
15.	Mody, K., Plath, M., Barrios, H. and Dorn, S.:	Sustainable agroforestry in the tropics. Switzerland, Lindau - Eschikon, June 5, 2008, North-South Centre Progress Forum.
16.	Praz, C.J., Müller, A. and Dorn, S.:	The evolution of bee-flower relationships: a case study of the bee tribe Osmiini. Switzerland, Zürich, October 23, 2007 (Nachtrag), Colloquium of the Institute of Plant Sciences.
17.	Torriani, M., Mazzi, D., Hein, S. and Dorn, S.:	Direct and correlated responses to artificial selection on mobility in the oriental fruit moth. Switzerland, Zürich, October 21, 2008, Colloquium of the Institute of Plant Sciences.
18.	Dorn, S., Zurbuchen, A., Müller, A., Hein, S., Obrist, M. and Peter, A.:	Defragmentation at population level: effects of connectivity interventions. Switzerland, Zürich, November 3, 2008, Workshop on "Enhancing ecosystem connectivity through intervention - a benefit for nature and society?" at ETH Zürich.

b) Sonstige Vorträge und Posterpräsentationen vor wissenschaftlichem Publikum

	Redner	Titel
1.	Dorn, S., Häckermann, J., Hein, S., Notter, C.:	How preimaginal temperature exposure and adult nutrition from damaged plant tissue influence performance of a larval parasitoid of the codling moth. USA, Reno, November 16-19, 2008, Entomological Society of America (ESA) Annual Meeting.
2.	Gutbrodt, B., Mody, K. and Dorn, S.:	Effects of plant water stress on plant resistance to insect herbivores. Switzerland, Kappel am Albis, August 21-22, 2008, Institute of Plant Science PhD Symposium.
3.	Mauss, V., Müller, A. and Yildirim, E.:	Bionomie der Pollenwespe <i>Ceramius palestinensis</i> (Giordani Soika, 1957) in der Osttürkei (Hymenoptera, Vespidae, Masarinae).

		Deutschland, Stuttgart, October 3-5, 2008, Hymenopterologen-Tagung.
4.	Mody, K., Stoeckli, S., Gessler, C. and Dorn, S.:	Apple resistance to arthropod herbivores: genetic basis and modification by environmental factors. France, Avignon, October 27-30, 2008, IOBC, VII International Conference on Integrated Fruit Protection.
5.	Plath, M., Mody, K., Barrios, H. and Dorn, S.:	Cultural control of insect herbivores in pasture- afforestation systems in Central America: the effect of planting regime and tree species identity on beetle assemblages. Switzerland, Zurich, June 4, 2008, Water for development: Prospects for integrated water resources management. Annual Conference of the North-South Centre.
6.	Plath, M., Mody, K., Barrios, H. and Dorn, S.:	Beetle assemblages on native timber trees in plantations: the effect of planting regime and tree species identity. Germany, Hohenheim, February 18-22, 2008, Consequences of Climate Change on Tropical Ecosystems. International Conference of the Society for Tropical Ecology.
7.	Praz, C. J., Müller, A. and Dorn, S.:	Floral specializations in osmiine bees (Hymenoptera: Megachilidae): the role of pollen nutritional quality and host recognition. Deutschland, Stuttgart, October 3-5, 2008, Hymenopterologen-Tagung.
8.	Sedivy, C., Praz, C. J., Müller, A. and Dorn, S.	Muster der Wirtspflanzenwahl bei Bienen der Gattung Chelostoma (Hymenoptera: Megachilidae). Deutschland, Stuttgart, October 3-5, 2008, Hymenopterologen-Tagung.
9.	Stoeckli, S., Mody, K. and Dorn, S.:	Schädlings-Resistenz beim Apfel: Identifikation von Resistenz-Genen zur Unterstützung einer effizienten Züchtung neuer Apfelsorten. Switzerland, Bern, March 6-8, 2008, Jahrestagung der Schweizerischen Entomologischen Gesellschaft.
10.	Stoeckli, S., Mody, K., Gessler, C. and Dorn, S.:	Host-plant resistance in apple ( <i>Malus x domestica</i> ) to common herbivore pests. Switzerland, Zürich, June 6, 2008,

		PhD Symposium of the Zürich-Basel Plant Science Center: Plants and People, ETH Zürich.
11.	Torriani, M., Mazzi, D., Hein, S. and Dorn, S.:	Artificial selection on dispersal propensity and related trade-offs in the oriental fruit moth, <i>Grapholita (Cydia) molesta</i> . Switzerland, Einsiedeln, September 8-13, 2008, 14th Annual European Meeting of PhD Students in Evolutionary Biology.
12.	Zurbuchen, A., Müller, A. and Dorn, S.:	Sammelflugdistanzen von Solitärbiene: Auswirkung von wachsenden Distanzen zwischen Nest- und Pflanzenressourcen auf die Fortpflanzung. Switzerland, Bern, January 26, 2008, Schweizer Hymenopteren Tagung 2008.
13.	Sedivy, C., Müller, A. and Dorn, S.:	Asteraceae and solitary bees: interrelation between two highly successful groups of organisms. Switzerland, Kappel am Albis, August 21-22, 2008, Institute of Plant Sciences PhD Symposium.
14.	Hein, S., Poethke, H.J. and Dorn, S.:	Complementary sex determination and the survival of haplo-diploid insect populations in spatially structured landscapes. Germany, Leipzig, September 15-19, 2008, EURECO, Gesellschaft für Oekologie Tagung.
15.	Chen, M.C. and Dorn, S.:	Microsatellites reveal the genetic differentiation among populations in an insect species with high genetic variability in dispersal, the codling moth. UK, York, September 3-5, 2008. Royal Entomological Society Annual Meeting.
16.	Chen, M.C. and Dorn, S.:	Microsatellites reveal the genetic differentiation among populations of <i>Cydia pomonella</i> in Switzerland. Switzerland, Zürich, September 12, 2008. Schweizerische Gesellschaft für Phytomedizin.
17.	Vogler, U., Rott, A., Gessler, C. and Dorn, S.:	Einfluss der Transgenosis auf die Pflanzen-Insekten-Beziehungen im Apfelsystem: Die Bedeutung der einbezogenen Vergleiche. Switzerland, Bern, June 17, 2008.

		Swiss Federal Office for the Environment (BAFU), Workshop on “Biosicherheit im Bereich der ausserhumanen Gentechnologie”.
18.	Vogler, U., Rott, A., Gessler, C. and Dorn, S.:	Einfluss der Transgenosis auf die Pflanzen-Insekten- Beziehungen im Apfelsystem: Die Bedeutung der einbezogenen Vergleiche. Switzerland, Zürich, September 12, 2008, Jahrestagung der Schweizerischen Gesellschaft für Phytomedizin.
19.	Piñero, J.C., Galizia, C.G. and Dorn, S.:	Synergistic behavioral responses of female oriental fruit moths (Lep.: Tortricidae) to synthetic host-plant derived mixtures are mirrored by odour-evoked calcium activity in their antennal lobes. South Africa, Durban, July 6-12, 2008, XXIII International Congress of Entomology.

### Liste 7: Gutachten

	Gutachter	Art des Gutachtens	Typ der anfordernden Organisation	Sitz der anfordernden Organisation	Anzahl
1.	Dorn, Silvia	Publikationen			10
2.	Dorn, Silvia	Personen	öffentliche	Europa	1
3.	Dorn, Silvia	Personen	Universität	Nordamerika	3
4.	Dorn, Silvia	Personen	Universität	Australien, Neuseeland	1
5.	Dorn, Silvia	Dissertation	ETH Zürich / ETH Bereich	CH	2
6.	Mazzi, Dominique	Publikationen			5
7.	Hein, Silke	Publikationen			2
8.	Müller, Andreas	Dissertation	Universität	Afrika	1
9.	Müller, Andreas	Dissertation	ETH Zürich / ETH Bereich	CH	1
10.	Müller, Andreas	Projektanträge	Universität	Nordamerika	1
11.	Müller, Andreas	Publikationen			3
12.	Mody, Karsten	Publikationen			2
13.	Mody, Karsten	Dissertation	ETH Zürich / ETH Bereich	CH	1

### Liste 8: Ehrungen

	Geehrte Person (Name, Vorname)	Name der Ehrung	Prämierte Leistung	Vergebende Organisation	Betrag (CHF)
1.	Dorn, Silvia	Elected Member of The Council ICE International (= Entomology Section of the International Union of Biological Sciences IUBS)	Distinguished scientist with fundamental contributions to Entomology	IUBS Entomology	0
2.	Chen, Maohua	Poster Award	Best poster at the 2007 Fall Meeting of the Swiss Society of Phytiatry	Swiss Society of Phytiatry	300
3.	Stöckli, Sibylle	Nature Publishing Group Award	Best Poster at the Zurich-Basel Plant Science Center Symposium	Nature Publishing Group	550

### Liste 11: Organisierte Kongresse

	Organisator(en)	Titel	Ort	Teilnehmerzahl
1.	Dorn, Silvia, co-organization	Conference on the World Food Situation: "How to ensure food security today and tomorrow".	Switzerland	300
2.	Dorn, Silvia, organization	PhD Symposium on "Plant Sciences"	Switzerland, Kappel am Albis	26

### Liste 12: Kommissionsarbeit

	Kommissionsmitglied	Neu	Typ Kommission	Typ Organisation	Sitz	Anzahl
1.	Dorn, Silvia	Nein	Fachkommissionen	ETH Zürich / ETH Bereich	CH	1
2.	Dorn, Silvia	Nein	weitere Kommissionen	ETH Zürich / ETH Bereich	CH	1
3.	Dorn, Silvia	Nein	Fachkommissionen	andere	CH	1

4.	Dorn, Silvia	Nein	Fachkommissionen	Forschungsinstitute	Europa	2
5.	Dorn, Silvia	Nein	Advisory Board	andere	Europa	1
6.	Dorn, Silvia	Ja	Planungskommission	andere	International	1

### Liste 13: Öffentlichkeitsarbeit

a) Presseartikel	
	Bezeichnung
b) Vorträge vor nicht-wissenschaftlichen Gremien	
	Bezeichnung
1.	Dorn, S.: Gesunde Ernährung für Menschen in Industrie- und Entwicklungsländern. Aktion "ETH unterwegs", Kantonsschule Küsnacht. Schweiz, December 9, 2008.
2.	Müller, A.: Wildbienen. Generalversammlung Naturschutzverein Bäretswil-Bauma. Schweiz, Bäretswil, March 12, 2008.
3.	Müller, A.: Wildbienen. Exkursion für Mitglieder des Stiftungsrates "Stiftung Reusstal". Schweiz, Aargauer Reusstal, May 31, 2008.
4.	Müller, A.: Die faszinierende Welt der Wildbienen. Naturschutzverein Schönenberg, December 5, 2008.
5.	Müller, A. and Schmid, F.: Entomologische Sammlung: Biodiversität. Führung für eine Schulklasse der Kantonsschule Sursee, September 25, 2008.
6.	Müller, A. and Schmid, F.: Entomologische Sammlung: Die faszinierende Vielfalt der Insekten. Öffentliche Abendführung, October 10, 2008
7.	Schmid, F.: Entomologische Sammlung: Vielfalt der Schmetterlinge. Führung für Schule Küsnacht, May 27, 2008.

c) Andere Veranstaltungen

	Bezeichnung
1.	London, Vincent, zusammen mit Dorn, Silvia: Can we feed the world's hungry? Worldradio.ch, Radiosendung und Internetartikel über die World Food Conference an der ETH Zurich, December 17, 2008.

**C. Kommentar**

Der Entomologischen Sammlung gelangen wiederum wertvolle Akquisitionen: O. Mooser schenkte der ETH-Sammlung interessante, über 100-jährige Bücher zur Insektensystematik. Dazu kamen zwei Schenkungen mit wissenschaftlich wertvollen Lepidopteren und Hymenopteren (mit 1000 bzw. 500 Belegsexemplaren) von D. Frey und B. Peter.