

**Final Programme**  
20 May 2005

**Plant Protection and Plant Health in Europe**

# **Introduction and Spread of Invasive Species**

**9 – 11 June 2005  
Humboldt University  
Berlin, Germany**

A three-day International Symposium organised jointly by DPG and BCPC



## INVASIVE SPECIES

Invasive species are considered to be the second largest reason for biodiversity loss worldwide. In recent years, national and international environmental policy and legislation have begun to reflect this fact.

In addition to the direct ecological risks they pose, invasive species of pests, pathogens and weeds are of increasing importance in a more and more “borderless” Europe, within cropping and natural situations.

Some invasive pests are rapidly extending their natural range within Europe: how can we detect potentially invasive species at an early stage? Do we have appropriate monitoring and information exchange systems?

Currently, beneficial alien species (introduced, for example, as beneficial insects or micro-organisms) are exchanged between European states, virtually without real limitations. Since they are, in fact, introduced from abroad, is this ecologically risky?

Generally, what role does trade play in heightening the risk of introductions resulting from the exchange of goods? Should attention be paid to alien species in the quality-control procedures of goods, perhaps even at the point of production?

Official phytosanitary regulations, inspection and alert systems should protect people, production and nature from negative impacts of alien species. In the EU, for example, the activities of authorities are being harmonized. However, are the recently introduced quarantine structures already effective and are they working optimally? What might be required for the future?

The Symposium will bring specialists from research, consultancy, trade and administration together. Their discussions will widen our views across the selected foci of the large spectrum of alien, invasive species.

## The Venue

All presentations of this three-day symposium will be held at the

**Humboldt-University, Invalidenstrasse 42, Berlin, Germany.**

Full programme details, online-registration and rates are given on the following website:  
<http://www.phytomedizin.org/aktuell.htm>

## REGISTRATION

A **conference bureau** will be open for your assistance throughout the symposium. The bureau will be open for registration already on 8 June, 5:00-8:00 pm, and on 9 June, 7:30-9:30 am.

### Registration fees

**Regular participants:** 180 Euro

The fee includes the Symposium Proceedings (additional copies will be available for ca. 60 Euro), free entrance to the reception and complimentary coffee or tea during the symposium.

### Students:

15 Euro for three days, 7 Euro per day

The students fee does not include the symposium proceedings.

### Other fees (please book when registering!):

Social gathering (including the meal) 25 Euro

Excursion (including transportation and sandwiches) 25 Euro

### Payments should be addressed to

Account holder : DPG

Account number : 2780161 (national)

IBAN (international): DE89 2505 0000 0002 7801 61

Bankidentification: 250 500 00 (national)

BIC (international) NOLADE2HXXX

Bank name: Norddeutsche Landesbank

Purpose: “Invasive” + “Social” + “Excursion”

## THE SYMPOSIUM

The opening ceremony and all sessions will take place in lecture hall H7; the rooms for the workshops will be indicated during the symposium.

**Thursday, 09.06.2005**

- 09:30-10:15 Session I - Chair G. F. Backhaus, President of the German Phytomedical Society (DPG): Opening ceremony -**  
**Prof. Dr. U. J. Nagel – Dean of the Faculty of Agriculture and Horticulture, Humboldt-University, Berlin:**  
**Words of welcome**  
**H. Oliver-Bellasis, President of the British Crop Production Council (BCPC), Hampshire, UK: Words of Welcome**  
**Prof. Dr. C. Büttner, Faculty of Agriculture and Horticulture, Humboldt-University, Berlin: Domestic arrangements**
- 10:15-10:45 Hunter, S.:** Introduction and spread of invasive species
- 10:45-11:00 Coffee break**
- 11:00-15:00 Session 2 – Chair J.-G. Unger: Trade as pathway for introduction and spread of alien species**
- 11:00-11:20 **Schrader, G.:** Pest risk analysis in Europe - how can risks of invasive alien species be assessed and managed?
- 11:20-11:40 **Plenk, A.:** The current status of *Phytophthora ramorum* in Austria
- 11:40-12:00 **Webber, J.; Brasier, C.:** Invasive pathogens – from Dutch elm disease to sudden oak death
- 12:00-12:20 **Dehnen-Schmutz, K.; Touza, J.; Perrings, C.; Williamson, M.:** Ornamental horticultural trade as a pathway for invasions
- 12:20-12:40 **Jones, G. D.; Perrings, C.A.; MacLeod, A.:** The spread of *Frankliniella occidentalis* through the UK horticulture sector – scales and processes
- 12:40-13:00 **Meier, U.:** Quality management systems as a solution for the control of spread of alien species
- 13:00-14:00 Lunch**
- 14:00-18:00 Session 3 – Chair C. Furk: Risk management and regulatory framework**
- 14:00-14:20 **Unger, J.-G.:** The EU phytosanitary system and invasive alien species
- 14:20-14:40 **Lopian, R.:** Activities of the International Plant Protection Convention in regard to invasive alien species
- 14:40-15:00 **Suffert, M.; Smith, I.M.:** EPPO work on invasive alien species
- 15:00-15:30 Coffee break**
- 15:30-15:50 **De Poorter, M.; Browne, M.:** The Global Invasive Species Database (GISD): using global expertise to help the local fights against biological invasion
- 15:50-16:10 **Breukers, A.; Kettenis, D.L.:** Evaluation of brown rot (*Ralstonia solanacearum*) control strategies: development of an epidemiological model
- 16:10-16:30 **Lethmayer, C.:** Ten years of experience with the invasive horse chestnut leaf miner (*Cameraria ohridella*) in Austria
- 16:30-17:00 Coffee break**
- 17:00-17:20 **Pietsch, M.:** Soil and biowaste as potential pathways for invasive alien species, and regulatory approaches to minimize the risks
- 17:20-17:40 **De Poorter, M.; Clout, M.:** Biodiversity conservation as part of plant protection: the opportunities and challenges of risk analysis
- 18:00-20:00 Reception**

Friday, 10.06.2005

**09:00-11:00 Session 4 – Chair C. Büttner: Monitoring alien species**

09:00-09:20 **Smith, R.; Baker, R.; Malumphy, C.P.; Hockland, S.; Hammon, R.P.; Ostojá-Starzewski, J.C.; Collins, D.W.:** Non-native invertebrate plant pests established in Great Britain: an assessment of patterns and trends

09:20-09:40 **Pfeilstetter, E.:** Monitoring and early warning systems for invasive alien species in the plant health sector in Europe

09:40-10:00 **Bounfour, M.; Jebbour, F.M; Wadjinny, J.:** Biological traits of insect invasive species harmful to Moroccan agriculture

10:00-10:20 **Navajas, M.J.; Navia,D.:** Evolutionary genetics of invasive species: using molecules and morphological variation to trace the origin and dissemination of exotic pests

10:20-10:40 **Baker, R.H.A.; Sansford, C.E.; Gioli, B.; Miglietta, F.; Porter J.R.; Ewert, F.:** Combining a disease model with a crop phenology model to assess and map pest risk: Karnal bunt disease (*Tilletia indica*) of wheat in Europe

10:40-11:00 **Dechamp, C.; Méon, H.:** Ragweed a new European biological air and soil pollutant: a call to the european Community for help to prevention of ragweed allergenic disease, a necessity of improving the quality of the life of a largerange of people

**11:00-11:30 Coffee break**

**11:30-13:00 Parallel workshops I-III**

(Contributors will give a statement on their specific topic during the workshop)

*Workshop I* **Chair R. Baker: Climate change and its effect on invasive species**

**Harms, M.; Holz, B.; Hoffmann, C.; Lipps, H.-P.; Silvanus, W.:** Occurrence of *Guignardia bidwellii*, the causal fungus of Black Rot on grapevine, in the vine-growing areas of Rhineland-Palatinate, Germany

**Maixner, M.:** Risks posed by the spread and dissemination of grapevine pathogens and their vectors

**Lampe, I; Burghause, F.; Krauthausen, H.-J.:** Introduction and Spread of the American Eastern Cherry Fruit Fly, *Rhagoletis cingulata*, in the Rhine Valley, Germany

**Kahrer, A.:** Introduction and possible spread of *Metcalfa pruinosa* (*Cicadina; Flatidae*) in Austria

*Workshop II* **Chair P. Baufeld: Diabrotica – a case study of an invasive species**

**Cannon, R.J.C.; Matthews, L.; Cheek, S.; Baker, R.H.A.; MacLeod, A.; Bartlett, P.W.; Savage, D.:** Surveying and monitoring western corn rootworm (*Diabrotica virgifera virgifera*) in England & Wales

**MacLeod, A.; Baker, R.H.A.; Cannon, R.J.C.:** Costs and benefits of European Community (EC) measures against an invasive alien species – current and future impacts of *Diabrotica virgifera virgifera* in England & Wales

**Toepfer, S.; Levay, N.; Kiss, J.:** Initial movements of introduced alien Western Corn Rootworms, *Diabrotica virgifera virgifera* LeConte (Coleoptera: Chrysomelidae) for colonising suitable habitats

**Cate, P.C.:** Spread and population development of western corn rootworm (*Diabrotica virgifera virgifera*) in Austria

**Baufeld, P.; Enzian, S.:** *Diabrotica*, its potential spread and economic and ecological consequences in Germany

**Workshop III: Chair F. Feldmann: Trade with beneficials and useful organisms – a risk?**

**Seier, M.-K.:** Exotic beneficials in classical biological control of invasive alien weeds: friends or foes?

**Grabenweger, G.; Stolz, M.; Augustin, S.; Guichard, S.; Avtzis, N.; Bacher, S.; Kehrl, P.; Freise, J.; Heitland, W.; Girardoz, S.; Kenis, M.; Lethmayer, C.; Tomov, R.; Volter, L.:** Reasons and effects of changes in the parasitoid complex of the horse chestnut leafminer, *Cameraria ohridella* (Lepidoptera Gracillariidae)

**Grotkass, C.; Hutter, I.; Feldmann, F.:** Trade with beneficial mycorrhizal fungi in Europe: suitable quality management avoids distribution of unwanted organisms in mycorrhizal inoculum

**Turnau, K.; Gawronski, S.; Zubek, S.; Anielska, T.; Jurkiewicz, A.:** Joined spread of soil microbes and commercially reestablished endangered plants in Europe

**Sieverding, E.; Oehl, F.:** Are Arbuscular Mycorrhizal Fungal species invasive – derived from our knowledge about their distribution in different ecosystems?

**13:00-14:00 Lunch**

**14:00-15:30 Poster presentation (presentation takes place in the THAER-SAAL)**

**Alonso, M.; Milán, H.:** Presence of two quarantine broadleaf weeds in imported vegetable seed and grain samples.

**Batish, D. R.; Singh, H. P.; Pandher, J. K.; Kohli, R. K.:** Invasive potential of the weed *Parthenium hysterophorus* – the role of allelopathy.

**Breitenbach, S.; Heimbach, U.; Gloyna, K.; Thieme, T.:** Possible host plants for larvae of western corn rootworm (*Diabrotica virgifera virgifera*).

**Colombo, M.; Rigamonti, I.; Jucker, C.:** Preliminary observations on the biology and management of western corn rootworm (*Diabrotica virgifera virgifera*) in Italy.

**Dzięgielewska, M.; Kaup, G.:** Alternative methods for the protection of white horse chestnut trees against the leaf miner *Cameraria ohridella*.

**Fakhro, A.; Paschek, U.; von Barga, S.; Büttner, C.; Schwarz, D.:** Distribution and spread of *Pepino mosaic virus* (PepMV) in tomatoes cultivated in a re-circulating hydroponic system.

**Fumanal, B.; Chauvel, B.; Bretagnolle, F.:** Demography of an allergenic European invasive plant: *Ambrosia artemisiifolia*.

**Gentkow, J.; Rebenstorf, K.; von Barga, S.; Büttner, C.:** Biological and molecular characteristics of *cherry leaf roll virus* (CLRv) isolates from different host plants.

**Glavendekić, M.; Mihajlović, Lj.; Petanović, R.:** Introduction and spread of invasive mites and insects in Serbia and Montenegro.

**Grabenweger, G.; Balder, H.; Jäckel, B.; Hopp, H.; Koch, T.; Schmolling, S.:** Possibilities to control the horse chestnut leaf miner (*Cameraria ohridella*) in Berlin.

**Hering, O.; Hönninger, H.; Jaskolla, D.; Bösing, U.:** Competence in science information – a guide to invasive species on the internet.

**Hummel, H. E.; Hein, D. F.; Shaw, J. T.:** Towards biotechnical pest management of the western corn rootworm (*Diabrotica virgifera virgifera*).

**Jäckel, B.; Grabenweger, G.; Hopp, H.; Koch, T.; Schmolling, S.; Balder, H.:** Spectrum of hymenopterous parasitoids on urban stands of horse chestnut trees.

**Kaminski, K.; Schröder, T.; Wagner, S.; Werres, S.:** The pathogen *Phytophthora ramorum* in Germany.

**Kiss, L.:** Powdery mildew as invasive plant pathogen: new epidemics caused by two North American species in Europe

**Knight, B. E. A.; Wimshurst, A. A.:** Impact of climate change on the geographical spread of agricultural pests, diseases and weeds.

**Konstantinovic, B.; Meseldzija, M.; Konstantinovic, B.; Marisavljevic, D.:** Determination of the occurrence and spread of the allergenic weed *Ambrosia artemisiifolia* in the territory of Vojvodina (Serbia).

**Lehmann, M.; Glavendekic, M.:** Invasive alien pests, weeds and diseases in Brandenburg and their ways of introduction.

**Lipińska, A.:** Invasiveness of small balsam (*Impatiens parviflora*) in Poland: causes and effects.

**Lupi, D.; Jucker, C.:** The butterfly *Cacyreus marshalli* in northern Italy, and susceptibility of commercial cultivars of *Pelargonium*.

**Marisavljević, D.; Pavlovic, D.; Veljkovic, B.; Radivojevic Lj:** *Iva xanthifolia*, a problematic weed in sugar beet in Serbia.

**Martins, O. M.; Couto, M. E.:** Current status of *Pseudomonas corrugata* as an introduced agricultural pathogen in Brazil.

**Maspero, M.; Jucker, C.; Colombo, M.; Ciampitti, M.; Cavagna, B.; Caremi, G.:** The longhorn beetle *Anoplophora chinensis* (form *malasiaca*), a new pest of woody ornamentals in Italy.

**Meinlschmidt, E.:** Monitoring of velvetleaf (*Abutilon theophrasti*) on arable land in Saxony, Germany, in the years 2000–2003.

**Metge, K.; Burgermeister, W.:** Molecular identification and pathway analysis of the introduced pinewood nematode *Bursaphelenchus xylophilus*.

**Monteiro, A. H. R. R.; Gomes, S.; Gomes, I.; Queiroz, P. R.; Lima, L. H. C.; Oliveira, M. R. V.:** Current status of the whitefly *Aleurodicus dispersus* as an invasive pest in the Cape Verde Islands.

**Nascimento, B.; Sermann, H.; Büttner, C.:** The influence of environmental conditions of the naturalisation of the alien millepede *Spinotarsus caboverdus* on Cape Verde.

**Navia, D.; Mendonça, R. S.:** Phytophagous mites with potential to become invasive species in Brazil.

**Navia, D.; Mendonça, R. S.; de Melo, L. A. M. P.:** *Steneotarsonemus spinki* – an invasive tarsonemid mite threatening rice crops in South America.

**Oliveira, M. R. V.; Queiroz, P. R.; Vilarinho, K. R.; Lima, L. H. C.:** Current status of the whitefly *Bemisia tabaci* as an introduced pest in Brazil.

**Oliveira, M. R. V.; Vilarinho, K. R.; Queiroz, P. R.; Lima, L. H. C.:** The introduction and dispersal of whiteflies in the cassava production areas of Brazil.

**Palmieri, M.G.; Dehnen-Schmutz, K.; Touza Montero, J. M.; Perrings, C.:** Kenyan cut flowers as a pathway for the introduction of plant pests to the UK.

**Pellizzari, G.; Dalla Montà, L.; Vacante, V.:** Alien insect and mite pests introduced to Italy in sixty years (1945-2004).

**Pennacchio F., Faggi M., Gatti E., Colombo M., Caronni F., Roversi P.F.:** First record of *Phloeotribus liminaris* (Harris) in Western Palearctic Region (*Coleoptera Scolytidae*)

**Petrovskii, S.; Blackshaw, R. P.:** Gone with the wind: is it always true for invasive plants and, if not, why not?

**Reisenzein, H.:** Investigations on the occurrence of grape phylloxera (*Viteus vitifoliae*) in Austrian viticulture.

**Šerá, B.; Vrchotová, N.; Tříška, J.:** Phenolic compounds in the leaves of alien and native *Impatiens* plants.

**Singh, H. P.; Batish, D. R. ; Kohli, R. K.; Arora, V.; Kaur, S.:** Impact of the invasive weed *Ageratum conyzoides* in the Shivalik Ranges of the north-western Himalayas, India.

**Tantardini, A., Calvi, M., Cavagna, B.:** First report in Italy of dogwood anthracnose on *Cornus florida* and *Cornus nuttallii* caused by *Discula destructiva*.

**Trierweiler, T.; Balder, H.:** Spread of horse chestnut scale (*Pulvinaria regalis*) in Germany.

**Vencill, W. K.; Steptoe, P.J. :** Physiology of Benghal dayflower (*Commelina benghalensis*), a new invasive weed of the south-eastern USA.

**Vrchotová, N.; Šerá, B.; Tříška, J.; Dadáková, E.; Kužel, S.:** Biologically active compounds as a possible cause of invasibility of knotweeds (*Reynoutria spp.*) from eastern Asia.

**Wagner, S.; Kaminski, K.; Idczak, E.; Werres, S.:** Host-range studies of the pathogen *Phytophthora ramorum* on ornamental plants.

**West, J. S.; Fitt, B. D. L.; Jędrzycka, M.; Karolewski, Z.:** Evidence for the eastward spread of the aggressive oilseed rape pathogen *Leptosphaeria maculans* in Europe.

**Wilcox, A.; Germany, T. A.:** Interactions between defoliation and herbicide application on the growth and recovery of Japanese knotweed (*Fallopia japonica*) in pot and field experiments.

**15:30-16:15 Plenary workshop reports – Chair G. Adam**

**16:15-17:30 Chair S. Hunter: Plenary discussion on introduction and spread of alien species: reality and future demands**

19:00-22:00 Social gathering

Saturday, 11.06.2005

Excursion - Chair H. Balder: Monitoring and management of alien species in an urban environment (guided tour through the Government District of Berlin)

### SYMPOSIUM PROGRAMME COMMITTEE

Dr. Georg F. Backhaus

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