

# INTERNATIONAL RAGWEED CONFERENCE



## PROGRAM

Location : UCLy, 25 rue du Plat, Lyon, France

March 28-29, 2012

### Wednesday, March 28, 2012

#### WELCOMING ADDRESS

8.30 am: Registration

9.00 am: Welcome from University, IRS

#### SESSION 1: BOTANY - CHAIR: BERNARD CLOT, CHRISTIAN BOHREN

9.20 am: **B. Chauvel, Q. Martinez**

How to explain the introduction of common ragweed into Europe during the XIXth century?

9.40 am: **G. Surek**

Advances in ragweed identification by remote sensing.

#### SESSION 2: CLINICAL - CHAIR: CHANTAL DECHAMP, MAIRA BONINI

10.00 am: **M. Bonini, G. Cislighi, P. Colombo, E. Valerio, A. Za, A. Russo, P. Bottero**

Ragweed pollen trend in Northern Italy (North-West Milan area) and its potential impact on public health.

10.20 am: **S. Citterio, R. Asero, R. Aina, E. Bellotto, A. Ghiani, G. Mistrello**

Ragweed pollen collected along high traffic roads show a higher allergenicity than pollen sampled in vegetated areas.

#### ***BREAK AND POSTER VIEWING 10:40 – 11:00 AM***

11.00 am: **N. Noisel, G. Hénault, L. Pinsonnault, E. Masson**

Public health impact of a mobilization project for the control of ragweed.

11.20 am: **G. Oliver, M. Thibaudon**

Clinical index and bi-hourly ragweed pollen counts permit to define the ragweed threshold in different areas of France.

11.40 am: **M. Smith, U. Berger**

Determining thresholds for *Ambrosia* using the Patient's Hay fever Diary (PHD).

12.00 am: **M. Thibaudon, B. Clot, S. Martin, C. Segala, J.P. Besancenot, D. Caillaud**

Short-term effects of exposure to ragweed pollen on clinical symptoms of pollinosis in a panel study of 37 patients in France.

#### ***LUNCH AND POSTER VIEWING 12:20 – 1:30 PM***

**SESSION 3: AEROBIOLOGY - CHAIR: TAMAS KOMIVES, BRANKO SIKOPARIJA**

- 1.30 pm: **D.L. Benoit, M.J. Simard**  
Impact of municipal mobilization on *Ambrosia Artemisiifolia* density and pollen concentration in urban settings of southern Quebec.
- 1.50 pm: **A. Fernandez-Llamazares, J. Belmonte**  
Catalonia (NE Spain): a new step of ragweeds (*Ambrosia* sp.) in the biological invasion of Europe?
- 2.10 pm: **M. Rat, G.T. Anačkov, S.R. Bojčić, R.S. Igić, P.P. Boža**  
Ragweed in Serbia – (un)expected enemy.
- 2.30 pm: **B. Mitić**  
Ragweed in Croatia - Correlation between plant distribution and airborne pollen.
- 2.50 pm: **C. Déchamp, H. Méon, V. Penel**  
The Rhône valley, a spreading area for *Ambrosia*: 30 years of pollen counts.

**SESSION 4: MODELLING - CHAIR: HENRIETTE MEON, UWE BERGER**

- 3.10 pm: **D.S. Chapman, J.M. Bullock, T. Haynes, S. Beal, M. Sofiev, M. Prank**  
Modeling the spread and impacts of *Ambrosia Artemisiifolia* across Europe.
- 3.30 pm: **E. Chaxel, C. Rieux, I. Rios, M. Thibaudon, G. Oliver**  
Modeling the 2011 ragweed season in the French region Rhône-Alpes with the dispersion model CHIMERE.
- 3.50 pm: **B. Sikoparija, M. Smith, M. Thibaudon, G. Oliver, D. Myszkowska, I. Kasprzyk, P. Radisic, B. Stjepanovic, I. Hrga, D. Apatini, D. Magyar, A. Paldy, N. Ianovici, C.A. Skjoth**  
Constructing ragweed pollen source inventories.
- 4.10 pm: **R. Vautard**  
Towards modeling the effect of climate, land use changes and air pollution on *Ambrosia*, birch and related allergies: the ATOPICA project.

**BREAK AND POSTER VIEWING 4:30 – 4:50 PM**

**SESSION 5: POSTERS (BOTANY AND MODELLING) - CHAIR: MICHEL THIBAUDON**

- 4.50 pm: **L. Moravcová, H. Skálová, V. Jarošík, P. Pyšek (Poster n°1)**  
Reproductive traits and thermal and nutritional requirements of *Ambrosia artemisiifolia* seedlings.
- 4.55 pm: **O. Ritenberga, L. Kalnina, M. Gudovicha (Poster n°2)**  
Three species of ragweed in Latvia.
- 5.00 pm: **A. Trichard, C. Auguste, Q. Martinez, S. Petit, B. Chauvel (Poster n°3)**  
Ragweed seed predation by invertebrates in cultivated area.
- 5.05 pm: **G. Fried, B. Chauvel (Poster n°4)**  
Predicting the potential global range of common ragweed (*Ambrosia artemisiifolia*) using biologically informed and correlative species distribution models.
- 5.10 pm: **M. Prank, M. Sofiev, D. Chapman (Poster n°5)**  
Emission and dispersion of the ragweed pollen in Europe: first results and evaluation of the SILAM model
- 5.15 pm: **M.A. Semenov, J. Storkey, P. Stratonovitch (Poster n°6)**  
Modelling invasion of *Ambrosia* in Europe under climate change.

**END OF 1<sup>ST</sup> DAY OF THE INTERNATIONAL RAGWEED CONFERENCE 2012**

## Thursday, March 29, 2012

### SESSION 6: CONTROL - CHAIR: DIANE-LYSE BENOIT, BRUNO CHAUVEL

- 8.30 am: **Z. Basky**  
Ability of native insects in Hungary to control the spread of common ragweed (*Ambrosia artemisiifolia* L.)
- 8.50 am: **D.L. Benoit, S. Fortin, M. Belanger**  
Integrating mowing as a weed management tool for control of *Ambrosia artemisiifolia* in carrots.
- 9.10 am: **M. Bonini, G. Cislighi, P. Colombo, N. Cornaggia, A. Panzeri, E. Valerio, M. Gramegna**  
Ragweed pollenosis primary prevention: over ten years experience of the Lombardy region and the Local Health Unit ASL Milan1.
- 9.30 am: **E. Rogemond, Y. Crosaz, S. Allard**  
Antigerminial effect of an infrared treatment on the plants of ragweed (*Ambrosia artemisiifolia* L.) in controlled conditions: feasibility study.
- 9.50 am: **B. Gard, F. Bretagnolle, B. Laitung**  
Growth and reproduction responses of French invasive and North American native populations of common ragweed, *Ambrosia artemisiifolia* L. to defoliation.
- 10.10 am: **D. Marisavljevic, D. Cakmak, D. Pavlovic, E. Pfaf Dolovac, L. Radivojevic**  
Preliminary examination of the adoption of various forms of nitrogen in the early growth stages of ragweed.
- 10.30 am: **C. Déchamp, H. Méon, I. Farrera**  
An innovative method, the dust flux one allows a comparison of the *Ambrosia* ground pollen at the start and at the end of the season.

### **BREAK AND POSTER VIEWING 10:50 – 11:10 AM**

### SESSION 7: POSTERS (CLINICAL, AEROBIOLOGY AND CONTROL) - CHAIR: MICHEL THIBAUDON

- 11.10 am: **M. Bonini, A. Bodina, C. Frigerio, P. Pellino, P. Bottero** (Poster n°7)  
Can drug consumption be a ragweed pollinosis epidemiology indicator?
- 11.15 am: **M. Bonini, M. Tirani, M. Thibaudon** (Poster n°8)  
How to communicate about *Ambrosia*. A comparison between healthy communication ways in different countries.
- 11.20 am: **A. Fernandez-Llamazares, J. Belmonte** (Poster n°9)  
*Ambrosia* pollen allergy risk in Spain: possible aggravation by cross-reactivity with other pollen taxa (*Cupressaceae* and *Artemisia*).
- 11.25 am: **AIA (M. Bonini, R. Albertini, M.A. Brighetti, M. Ugolotti, A. Travaglini)** (Poster n°10)  
Ragweed pollen spreading in Italy.
- 11.30 am: **A. Fernandez-Llamazares, J. Belmonte** (Poster n°11)  
The contribution of the long-range transport to the presence of *Ambrosia* pollen in NE Spain.
- 11.35 am: **U. Kanter** (Poster n°12)  
Comparative transcriptome analysis of ragweed (*Ambrosia artemisiifolia*) pollen after exposure of the plants to elevated ozone concentrations over a whole vegetation period.
- 11.40 am: **E. Masson, M.J. Simard, D.L. Benoit, J. Groulx, N. Noisel** (Poster n°13)  
Reducing airborne pollen concentrations and allergy symptoms in ragweed infested cities: a realistic operation.
- 11.45 am: **D. Chollet, J. Lieven, F. Duroueix, C. Sausse** (Poster n°14)  
Control of ragweed with sunflower varieties tolerant to post-emergence herbicides.

### **END OF THE INTERNATIONAL RAGWEED CONFERENCE 2012**