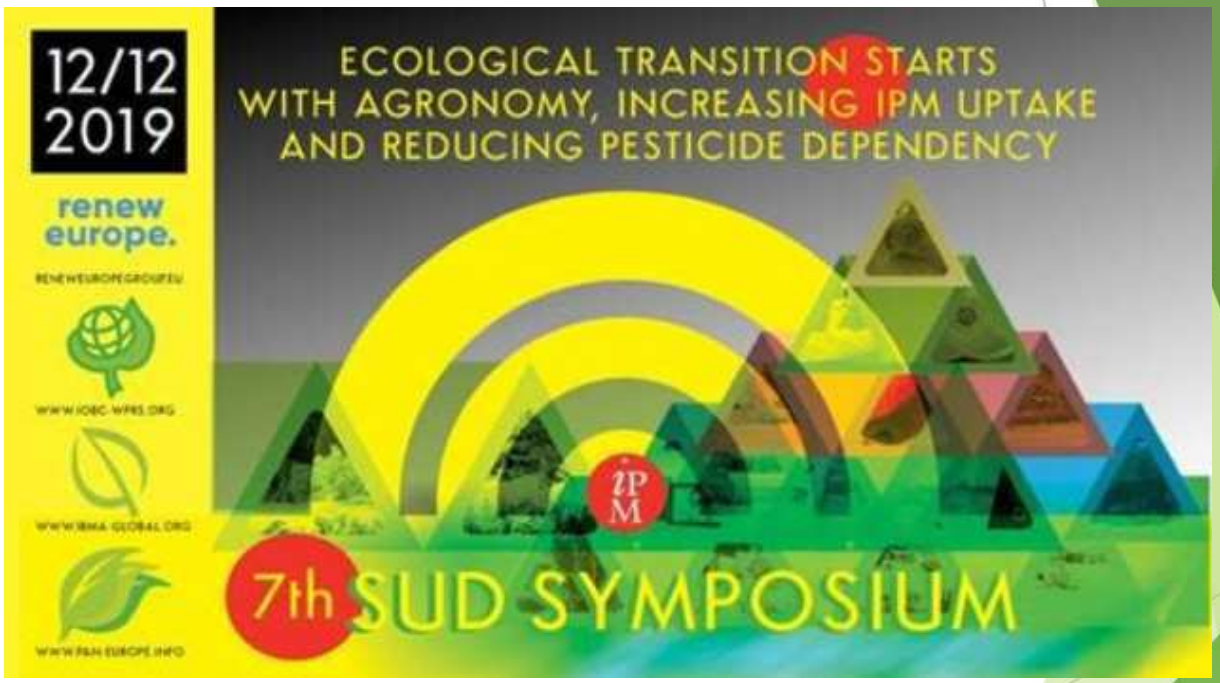
7th SUD Symposium

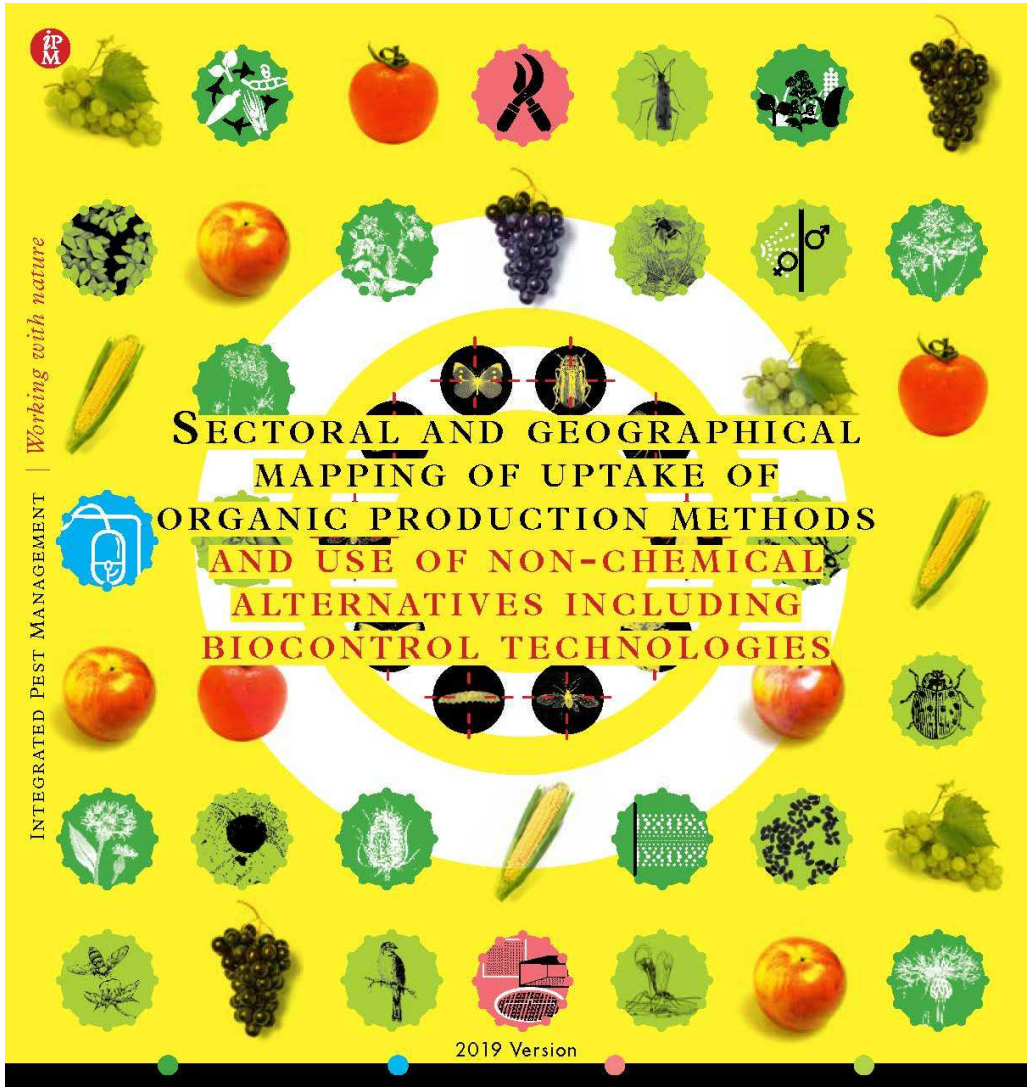
Jennifer Lewis [1] and Henriette Christensen [2]

[1] **Executive Director -** International Biocontrol Manufacturers Assocn

[2] **Senior Policy Adviser –-** PAN Europe



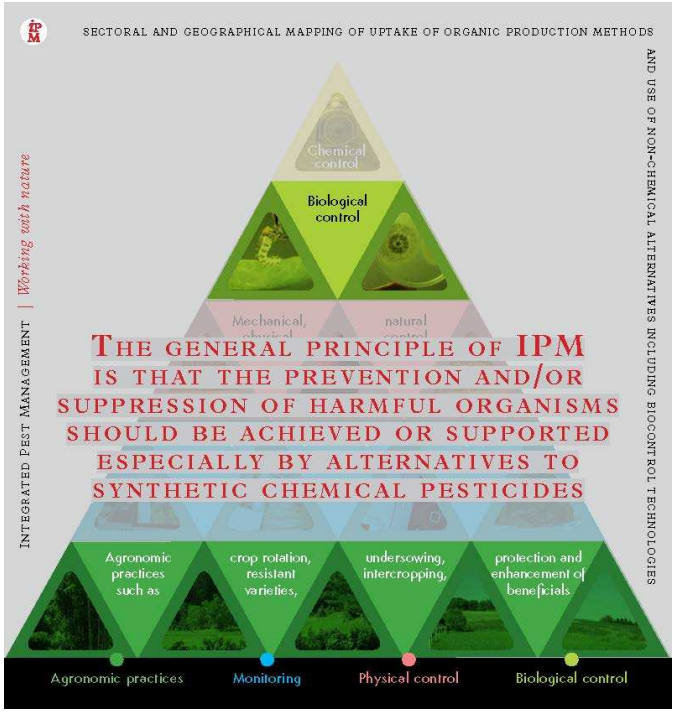
Sectoral and Geographical Mapping of Uptake of Organic Production Methods

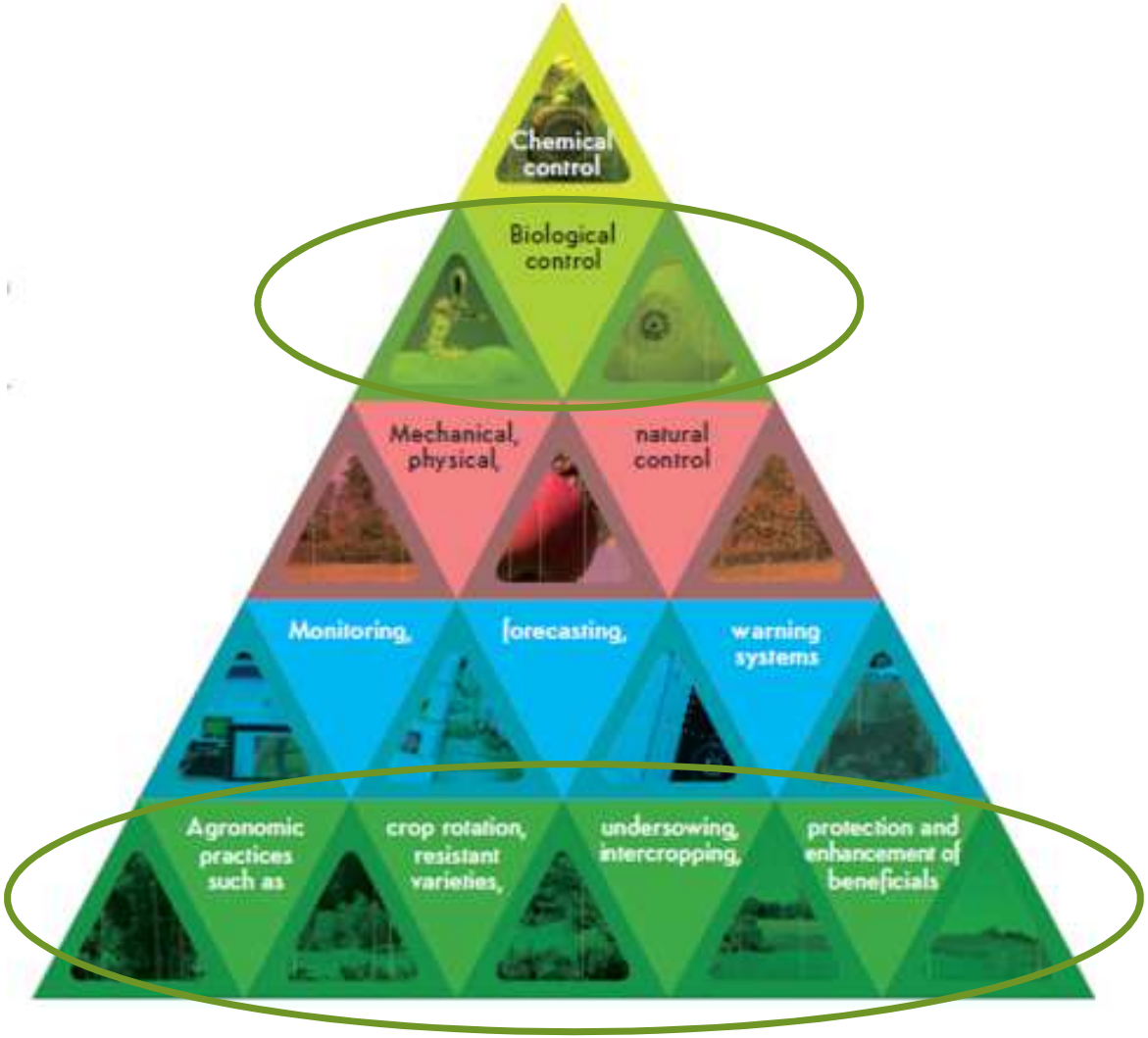


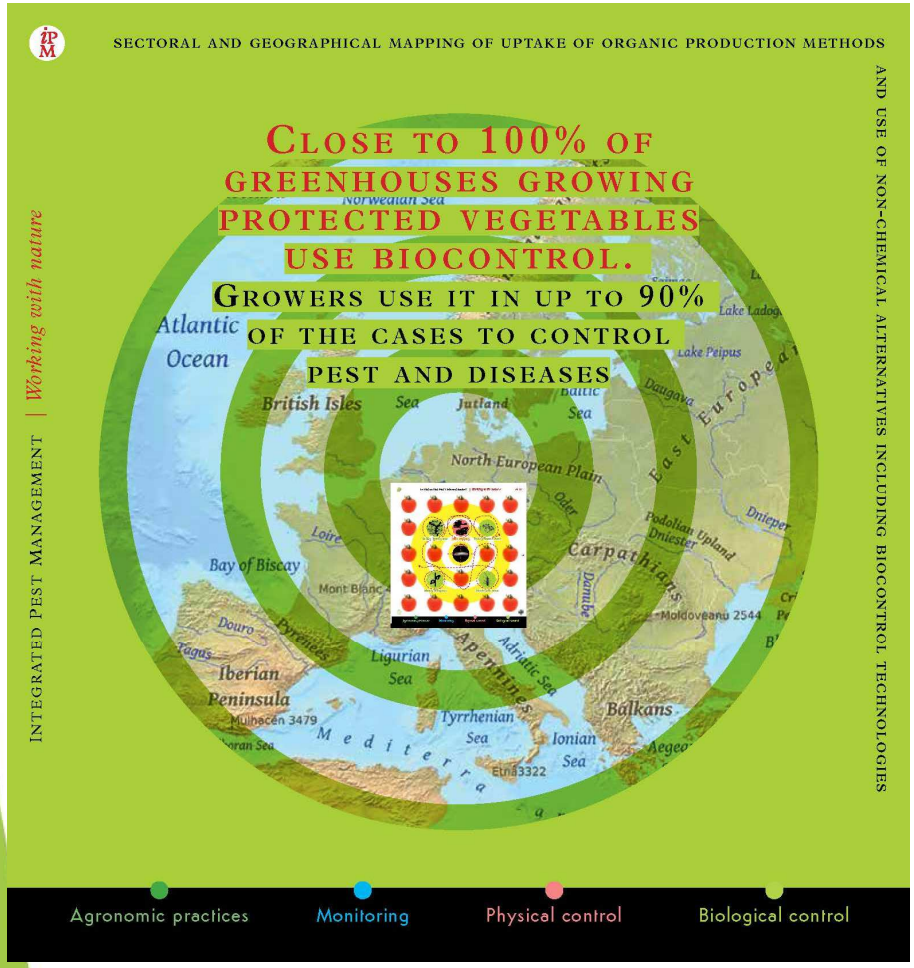
Outline of Presentation

- Integrated Pest Management
- Crop areas under biocontrol
- Farmer Experiences in implementation
- What have we learnt about implementation
- What do we need to do to accelerate the uptake

IPM Triangle







Close to 100% of Greenhouses Growing Vegetables use biocontrol

Photo : cbc-europe.com

Approximately 20% of EU Vine Growing area uses pheromones

Less than 5% of arable crops use biocontrol

DO WE NEED A MINI conclusion /pointe slide here?

PAN EUROPE:

Calling for the importance of promoting good agronomic practices as the key in arable, starting with serious crop rotation with leguminous

IBMA:

Calling for the importance of helping in the research and development of biocontrol relating to arable

Joint call:

Good agronomic practices and development of biocontrol especially for leguminous

Farmer Experience of Pheromone development in Vineyards

100% OF LUXEMBOURG VINE GROWING AREA (1 296 HA) COVERED BY PHEROMONES

« For now more than ten years, we have been working with [pheromon] dispensers against vine moth. In Luxembourg the entire wine surface is being treated with dispensers and we work well with it... Since then, we do not use insecticides anymore »

70% OF THE SWISS VINE-GROWING AREA (10 500 HA) COVERED BY PHEROMONES

"Today, with a hindsight of over more than 20 years, we can prove that attacks in vineyard under confusion are always lower than in conventional ones."

Working with nature | INTEGRATED PEST MANAGEMENT

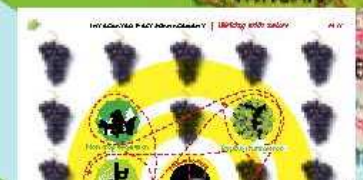
OF NON-CHEMICAL ALTERNATIVES INCLUDING BIOCONTROL

Mating disruption

100% OF THE VINE GROWING AREA (9 700 HA) IN MEZZOCORONA TRENTINO COVERED BY PHEROMONES

CLAUDIO IORIATTI
FONDAZIONE
EDMUND MACH

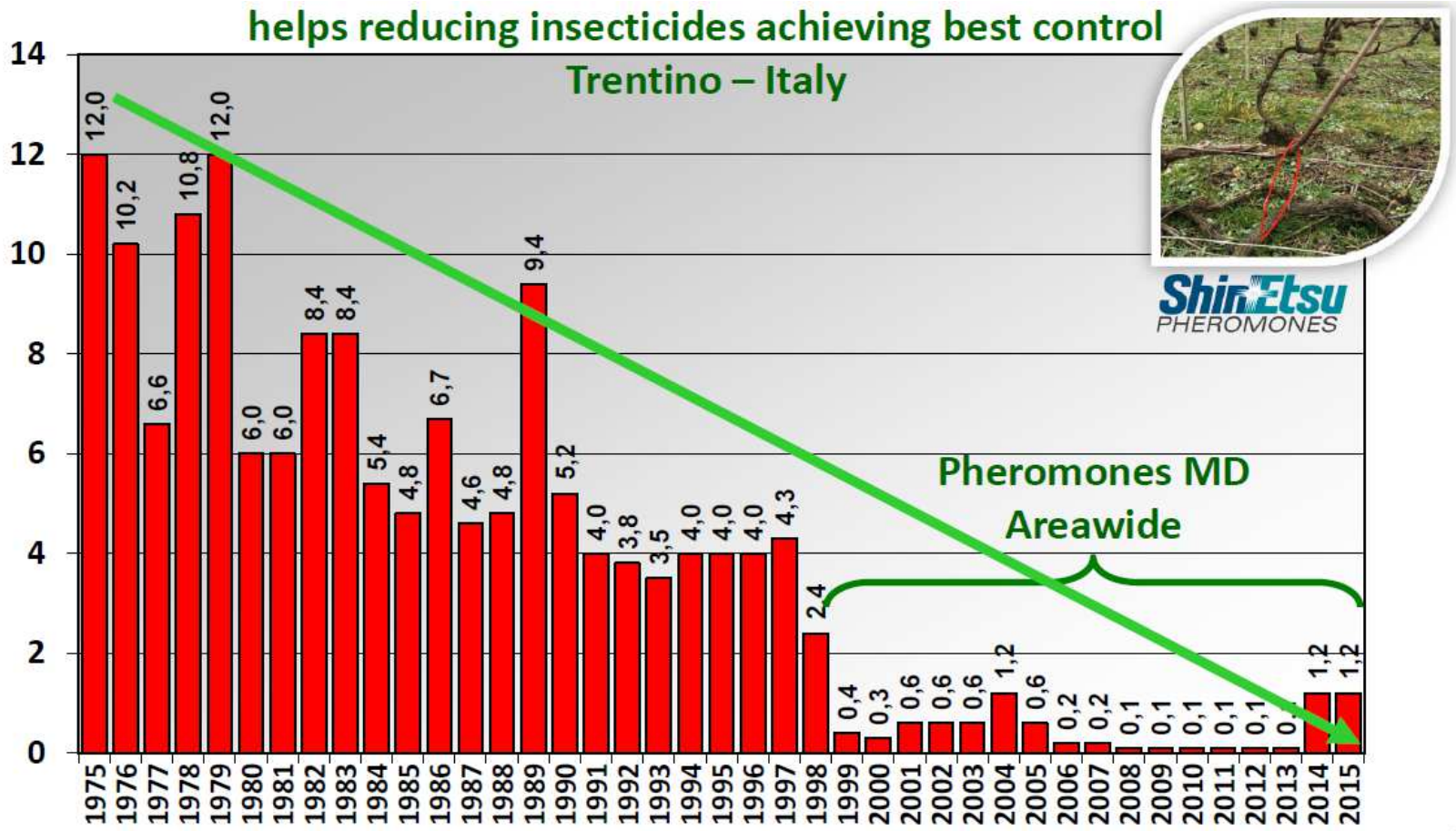
"Pheromones uptake was easy because the decision was not left for the individual farmers but was taken by the organisation."



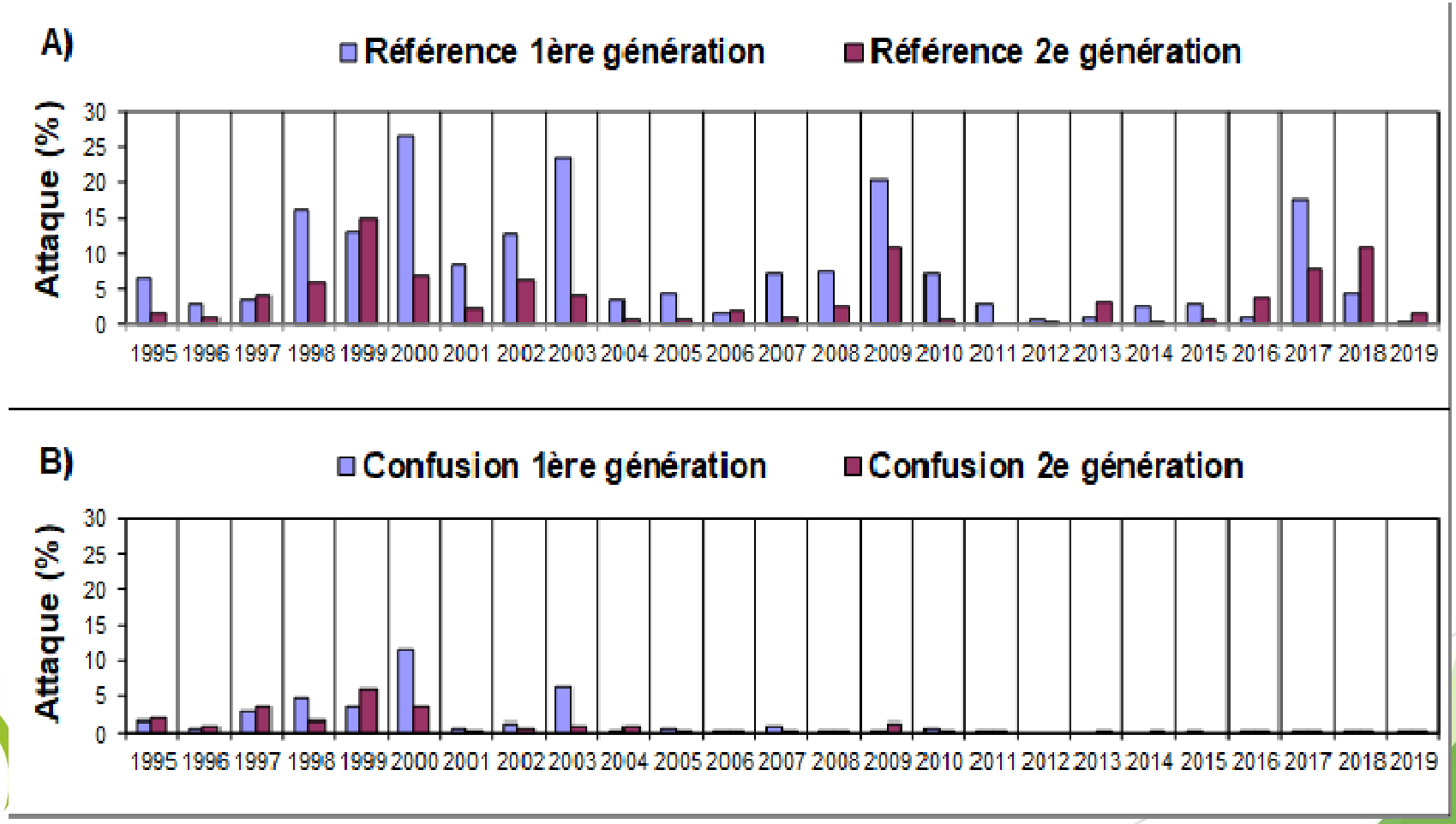
70% OF THE VINE AREA IN FRANCIACORTA (1 900 HA) IS ORGANIC

FRANCIACORTA CORSORZIA AIMS TO REACH 100% BY 2027

Trentino


helps reducing insecticides achieving best control
Trentino – Italy
Pheromones MD
Areawide
ShinEtsu
PHEROMONES
14
12
10
8
6
4
2
0
12,0 10,2 6,6 10,8 12,0 6,0 6,0 8,4 8,4 5,4 4,8 6,7 4,6 4,8 9,4 5,2 4,0 3,8 3,5 4,0 4,0 4,0 4,3 2,4 0,4 0,3 0,6 0,6 0,6 1,2 0,6 0,2 0,2 0,1 0,1 0,1 0,1 0,1 0,1 1,2 1,2
1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015

Swiss

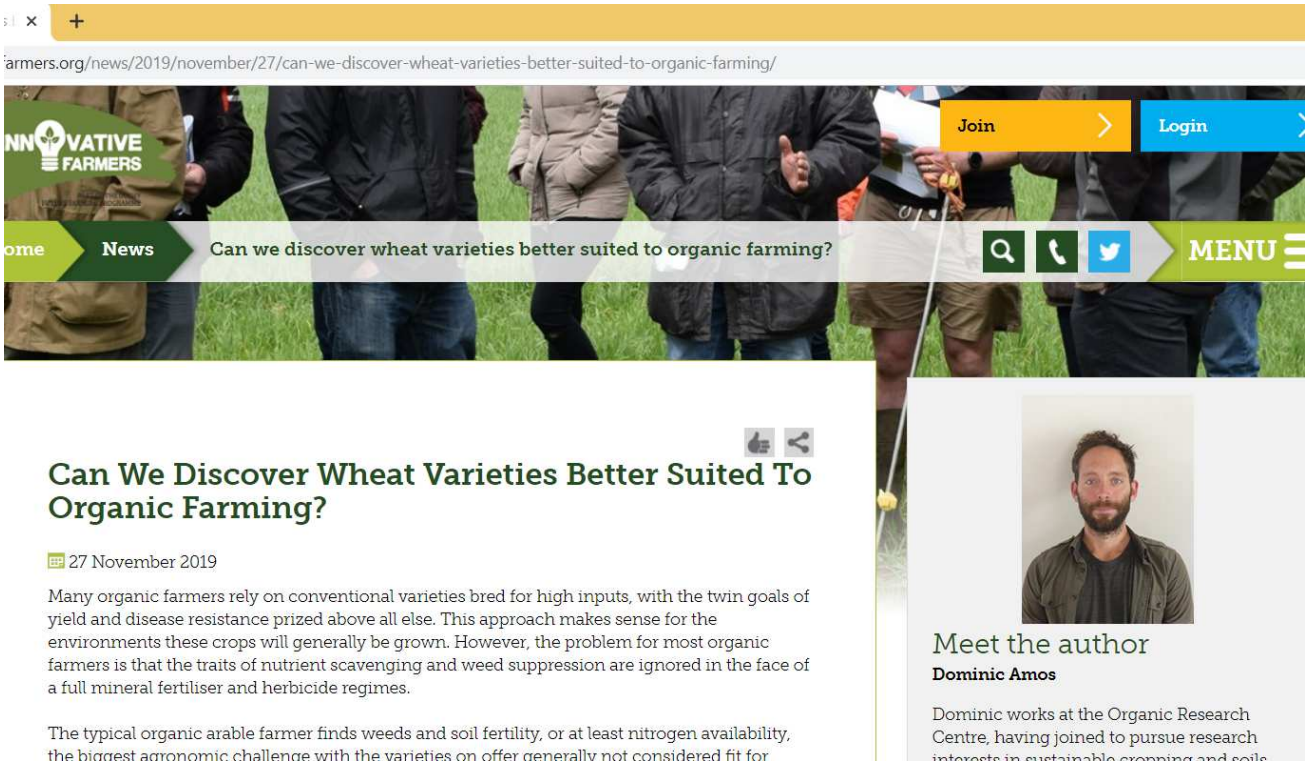

A)
Référence 1ère génération
Référence 2e génération
Attaque (%)
0
5
10
15
20
25
30
1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019
B)
Confusion 1ère génération
Confusion 2e génération
Attaque (%)
0
5
10
15
20
25
30
1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019

Farmer Experience of Biocontrol development in Arable

5% OF ARABLE CROPS USE BIOCONTROL TO CONTROL PESTS AND DISEASES

JEAN PHILIPPE PETILLON –RICHEVILLE

"It takes a few years, but you start to see the results: the figures speak for themselves. The farm is turning into a profit."



What have we learnt from implementation?

- Need a trigger to start IPM
- Farmer to farmer networks – led by farmers for farmers
- Multiple actors to help – advisers, researchers, companies
- Biocontrol works
- Be patient

Biocontrol is a reality – what is stopping the transformation?

What we need to acceleat the uptatee

Provide evidence that biocontrol works

- In arable and broad acre
- Technical
- Economic

Embrace digital farming to enhance biocontrol

Biocontrol is a reality: What do we need to do to accelerate the uptake?

- Proportionate regulation - more products to market faster
- Farmer to farmer sharing of best practice
- In field participation and training from researchers, advisers and companies
- Financial incentives to adopt new ways of farming

"Biological life is a force and once unleashed it will continue to grow and generate new life"

Gabe Brown (2018) – Author of from "Dirt to Soil"

Thank you for listening

Jennifer Lewis

Jennifer.lewis@ibma-global.org

www.ibma-global.org

- BACK UP SLIDES and ALTENATIVES

IBMA
INTERNATIONAL BIOCONTROL MANUFACTURERS ASSOCIATION