

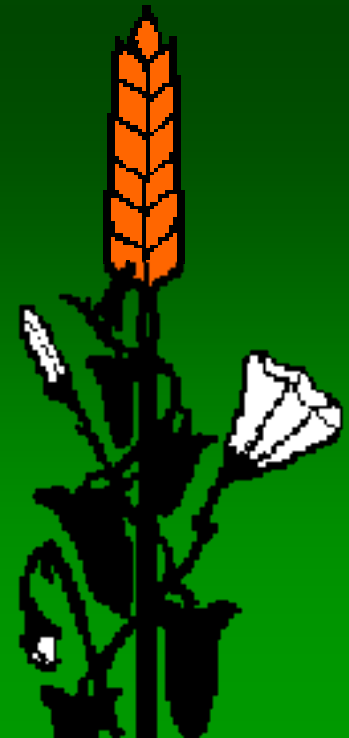
14th EWRS Symposium

Hamar (Norway)

18-21 June 2007

Summary of the scientific
programme

by Paolo Bàrberi
EWRS Scientific Secretary



Scientific programme

| | NL 02 | IT 05 | NO 07 |
|--------------------------|--------------|--------------|--------------|
| Sessions | 6 | 7 | 7 |
| Oral papers | 39 | 43 | 42 |
| Poster papers | 162 | 176 | 168 |
| Total papers | 201 | 234 | 210 |
| Workshops/courses | 1 | 3 | 2 |
| WG meetings | 8 | 7 | 9 |

14th EWRS Symposium, Hamar (Norway), 18-21 June 2007



Subsidies to junior scientists

| | NL 02 | TR 03 | ZA 04 | IT 05 | NO 07 | Tot |
|-------------------------|-------|-------|-------|-------|-------|-----|
| Subsidies | 18 | 5 | 10 | 28 | 21 | 82 |
| European scientists | 15 | 4 | 10 | 18 | 16 | 63 |
| Non European scientists | 3 | 1 | - | 10 | 5 | 19 |
| European countries | 10 | 5 | 5 | 11 | 8 | |
| Non European countries | 2 | 1 | - | 8 | 4 | |



Subsidies to junior scientists

| | NL 02 | TR 03 | ZA 04 | IT 05 | NO 07 | Tot |
|-------------------------|-------|-------|-------|-------|-------|-----|
| Subsidies | 18 | 5 | 10 | 28 | 21 | 82 |
| European scientists | 15 | 4 | 10 | 18 | 16 | 63 |
| Non European scientists | 3 | 1 | - | 10 | 5 | 19 |
| European countries | 10 | 5 | 5 | 11 | 8 | |
| Non European countries | 2 | 1 | - | 8 | 4 | |

Total European countries: 19

(BUL, BIH, CZE, DEN, ESP, FIN, FRA, GRE, HUN, ISR, ITA, LAT, LIT, NED, RUS, S&M, TUR, UKR, UK)

Total Non European countries: 11

Africa: 2 (SUD, TUN); America: 4 (ARG, URU, USA, VEN); Asia: 3 (IRN, IND, PHI); Oceania: 2 (AUS, NZE)

Total budget 2002-07: 41,840 €



Food for thought

- **Prevention**

- non chemical weed management: the basis
- chemical " " : key issue for HR management and for ensuring long "commercial life" of a.i.



- **Wider picture (system-thinking, diversity)**
- **Agronomy**
- **From weed scientists to "vegetation managers"?**



Weed prevention

- Prevention
 - non chemical weed management: the basis
 - chemical “ ” : key issue for HR management and for ensuring long “commercial life” of a.i.
 - **invasive species/biodiversity loss**



Weed science in a changing world

14th EWRS Symposium, Hamar (Norway), 18-21 June 2007



Weed science in a changing world

- Climate change



Weed science in a changing world

- Climate change
- Agricultural systems change
 - Enlarged farms/fields
 - Increased reliance on contract work
 - higher risk of weed propagule dispersion (including HR species)?



Weed science in a changing world

- Climate change
- Agricultural systems change
 - Enlarged farms/fields
 - Increased reliance on contract work
 - higher risk of weed propagule dispersion (including HR species)?
- Increased farmland abandonment
 - weed spread/invasion
 - loss of agroecosystem function



Weed science in a changing world

- Climate change
- Agricultural systems change
 - Enlarged farms/fields
 - Increased reliance on contract work
 - higher risk of weed propagule dispersion (including HR species)?
- Increased farmland abandonment
 - weed spread/invasion
 - loss of agroecosystem function
- New functions for “weeds”



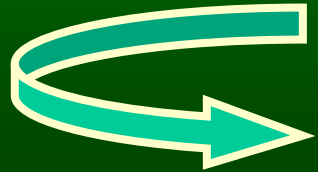
Weed science in a changing world

- Changing agriculture = changing perspective on weeds



Weed science in a changing world

- Changing agriculture = changing perspective on weeds
- **Diversity** of situations = **diversity** of effects = **diversity** of solutions

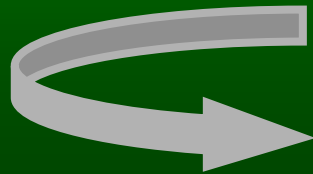


Tailor-made weed management



Weed science in a changing world

- Changing agriculture = changing perspective on weeds
- Diversity of situations = diversity of effects = diversity of solutions



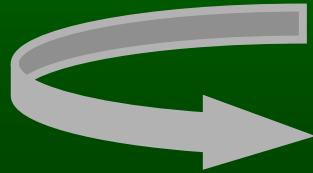
Tailor-made weed management

- Need for **flexible-minded** weed scientists/vegetation managers



Weed science in a changing world

- Changing agriculture = changing perspective on weeds
- Diversity of situations = diversity of effects = diversity of solutions



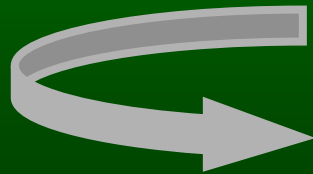
Tailor-made weed management

- Need for flexible-minded weed scientists/vegetation managers
- Science is not the major driver




Weed science in a changing world

- Changing agriculture = changing perspective on weeds
- Diversity of situations = diversity of effects = diversity of solutions



Tailor-made weed management

- Need for flexible-minded weed scientists/vegetation managers
- Science is not the major driver 
- Flexible-minded weed scientists = more **resilient** to changes



System-thinking

14th EWRS Symposium, Hamar (Norway), 18-21 June 2007



System-thinking

- Technology is improving
 - optimisation of herbicide applications
 - delivery of mycoherbicides
 - seaweeds vs. terrestrial weeds
 - HR crops: the solution or the problem?



System-thinking

- **Technology is improving**
 - optimisation of herbicide applications
 - delivery of mycoherbicides
 - seaweeds vs. terrestrial weeds
 - HR crops: the solution or the problem?
- **Modelling**
 - more balanced vision on what we can/cannot expect from models
 - expand our knowledge but also generate research questions (don't forget validation!)



System-thinking

- Technology is improving
 - optimisation of herbicide applications
 - delivery of mycoherbicides
 - seaweeds vs. terrestrial weeds
 - HR crops: the solution or the problem?
- Modelling
 - more balanced vision on what we can/cannot expect from models
 - expand our knowledge but also generate research questions (don't forget validation!)
- New hypotheses
 - what drives crop/weed interactions?



System-thinking

- Enforcement of IWM importance
 - for weed management in **any** crop management system
 - for recovery/prevention (HR weed biotypes)
 - for management of invasive plants



System-thinking

- **Enforcement of IWM importance**
 - for weed management in any crop management system
 - for recovery/prevention (HR weed biotypes)
 - for management of invasive plants
- **Opportunities for cross-fertilisation between disciplines**
 - is connectivity in agricultural landscapes good or bad for biodiversity? Weeds vs. other taxa?



System-thinking

- **Enforcement of IWM importance**
 - for weed management in any crop management system
 - for recovery/prevention (HR weed biotypes)
 - for management of invasive plants
- **Opportunities for cross-fertilisation between disciplines**
 - is connectivity in agricultural landscapes good or bad for biodiversity? Weeds vs. other taxa?
- **Is EWRS actually moving towards system-thinking?**
 - increasing interaction between WGs
 - integrating role in NoE ENDURE: EWRS as a “model” society



Food for thought

14th EWRS Symposium, Hamar (Norway), 18-21 June 2007



Food for thought COMMUNICATION

14th EWRS Symposium, Hamar (Norway), 18-21 June 2007



Food for thought

COMMUNICATION

- we are eager to communicate, now we need to tackle a larger audience (extension services, farmers, policy-makers, ...)
- provide sound arguments
- straight to the point
- clear and understandable
- avoid overly simplification, “what/if” approach



Food for thought

COMMUNICATION

- we are eager to communicate, now we need to tackle a larger audience (extension services, farmers, policy-makers, ...)
- provide sound arguments
- straight to the point
- clear and understandable
- avoid overly simplification, “what/if” approach
- **Include indicators other than IF to value the “practicality” of research results**



Food for thought

COMMUNICATION

- we are eager to communicate, now we need to tackle a larger audience (extension services, farmers, policy-makers, ...)
- provide sound arguments
- straight to the point
- clear and understandable
- avoid overly simplification, “what/if” approach
- Include indicators other than IF to value the “practicality” of research results
- ROI of public money spent on research



Food for thought

Potential for future

14th EWRS Symposium, Hamar (Norway), 18-21 June 2007



Food for thought

Potential for future

BUT

14th EWRS Symposium, Hamar (Norway), 18-21 June 2007



Food for thought

Potential for future

BUT

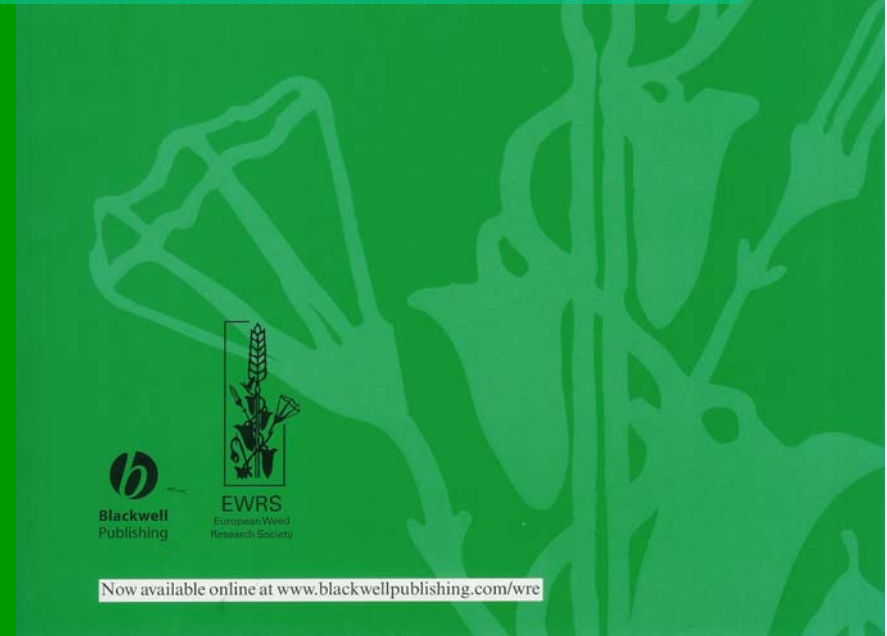
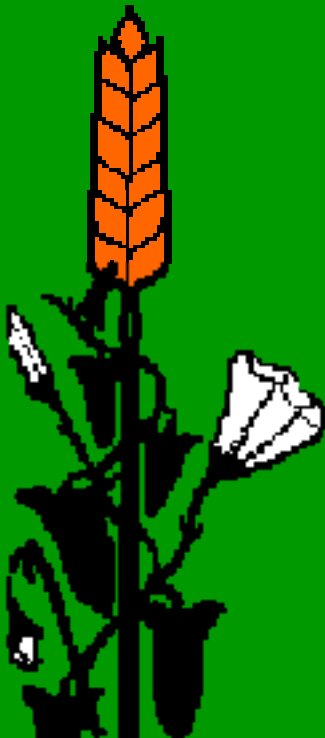
we must be more proactive!



BREAKING NEWS

ISI Citation Indices for 2006

Weed Research has an Impact Factor of ...

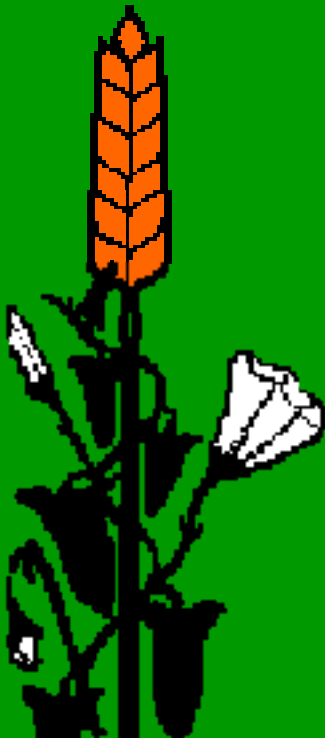


BREAKING NEWS

ISI Citation Indices for 2006

Weed Research has an Impact Factor of ...

1.705, up from 1.670 (not down to 1.3) placing it 7th out of 49 Agronomy journals, just ahead of *Weed Science* in 10th position



Thank you to Andrea Grundy, chair of the Editorial Board, all the Editors and to all our contributors

Now available online at www.blackwellpublishing.com/wrc

Blackwell
Publishing

EWRS
European Weed
Research Society