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## Subsidies to junior scientists

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14th EWRS Symposium, Hamar (Norway), 18-21 June 2007
Subsidies to junior scientists

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<td>Total Non European countries</td>
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<td>Africa: 2 (SUD, TUN); America: 4 (ARG, URU, USA, VEN); Asia: 3 (IRN, IND, PHI); Oceania: 2 (AUS, NZE)</td>
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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

14th EWRS Symposium, Hamar (Norway), 18-21 June 2007
Weed science in a changing world
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

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  - Weed spread/invasion
  - Loss of agroecosystem function

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Weed science in a changing world

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  - Weed spread/invasion
  - Loss of agroecosystem function
- New functions for “weeds”

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

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Tailor-made weed management

- Need for flexible-minded weed scientists/vegetation managers
Weed science in a changing world

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• 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

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

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• Modelling
  - more balanced vision on what we can/ cannot expect from models
  - expand our knowledge but also generate research questions (don’t forget validation!)

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System-thinking

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  - 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

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  – for weed management in any crop management system
  – for recovery/prevention (HR weed biotypes)
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• Opportunities for cross-fertilisation between disciplines
  – is connectivity in agricultural landscapes good or bad for biodiversity? Weeds vs. other taxa?
System-thinking

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  - 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
Food for thought
COMMUNICATION
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

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• Include indicators other than IF to value the “practicality” of research results
• ROI of public money spent on research

Food for thought
Food for thought

Potential for future
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