



Outcome of the inventory among COST partners regarding potential effective mitigation options

Wim Chardon



Categories of options within inventory

number

11 - Reduce agric. P,N input, or increase output

21 - Reduce (conversion to) soluble forms of P,N

23 - Reduce mobilisation of particulate forms of P,N

14 - Reduce P,N transport on field scale

13 - Reduce P,N transport in surface water

6 - Abating consequences of eutrophication in
surface water

88 - total

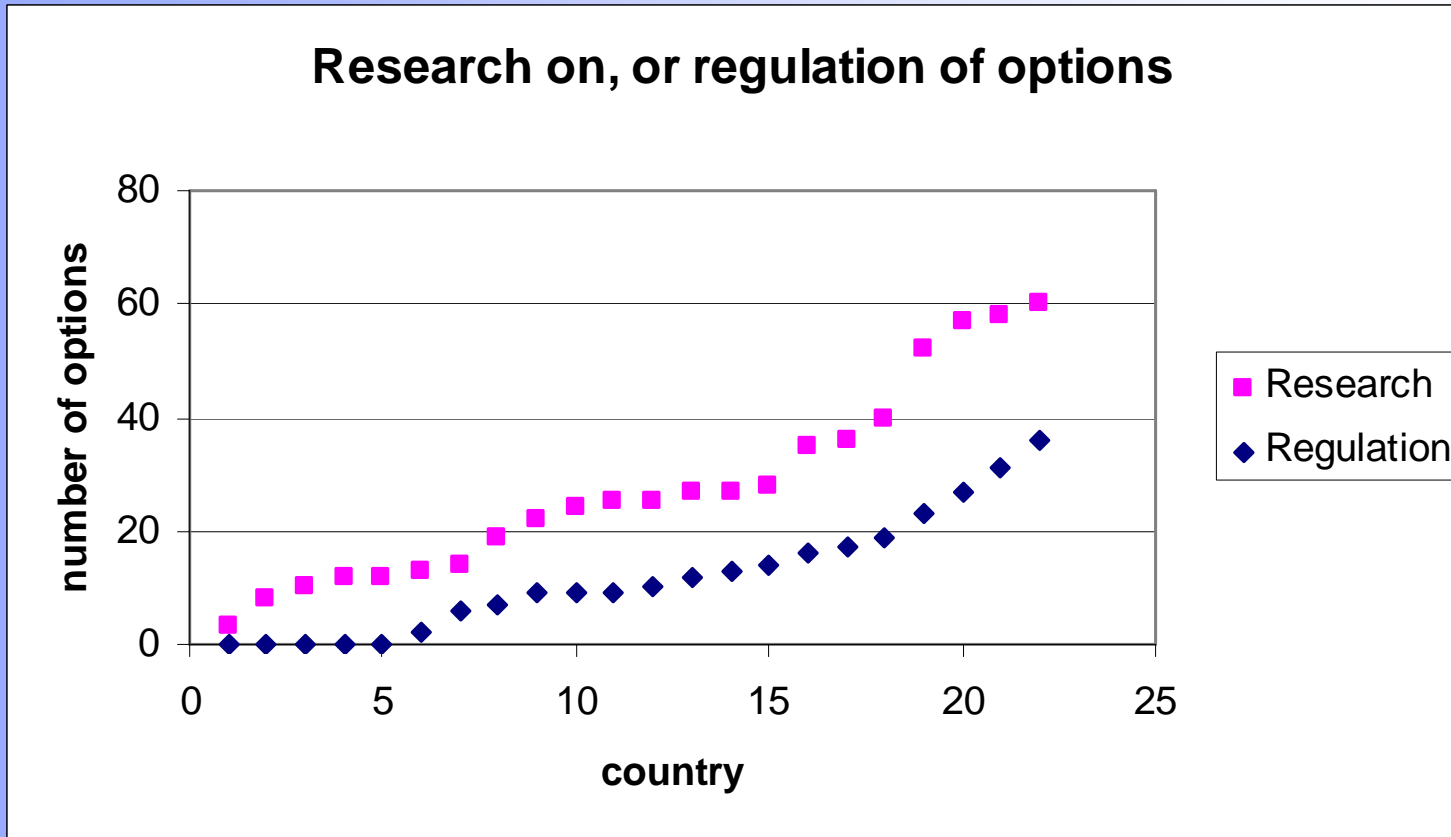


Countries asked to indicate for options

- Was research done on option (lab, plot, field)
- Is option part of any local, regional or national regulation [voluntary, subsidised or mandatory]
- Is option rejected: considered unsustainable on the long-term, or proven to be ineffective
- Any other options considered (not listed in 88)

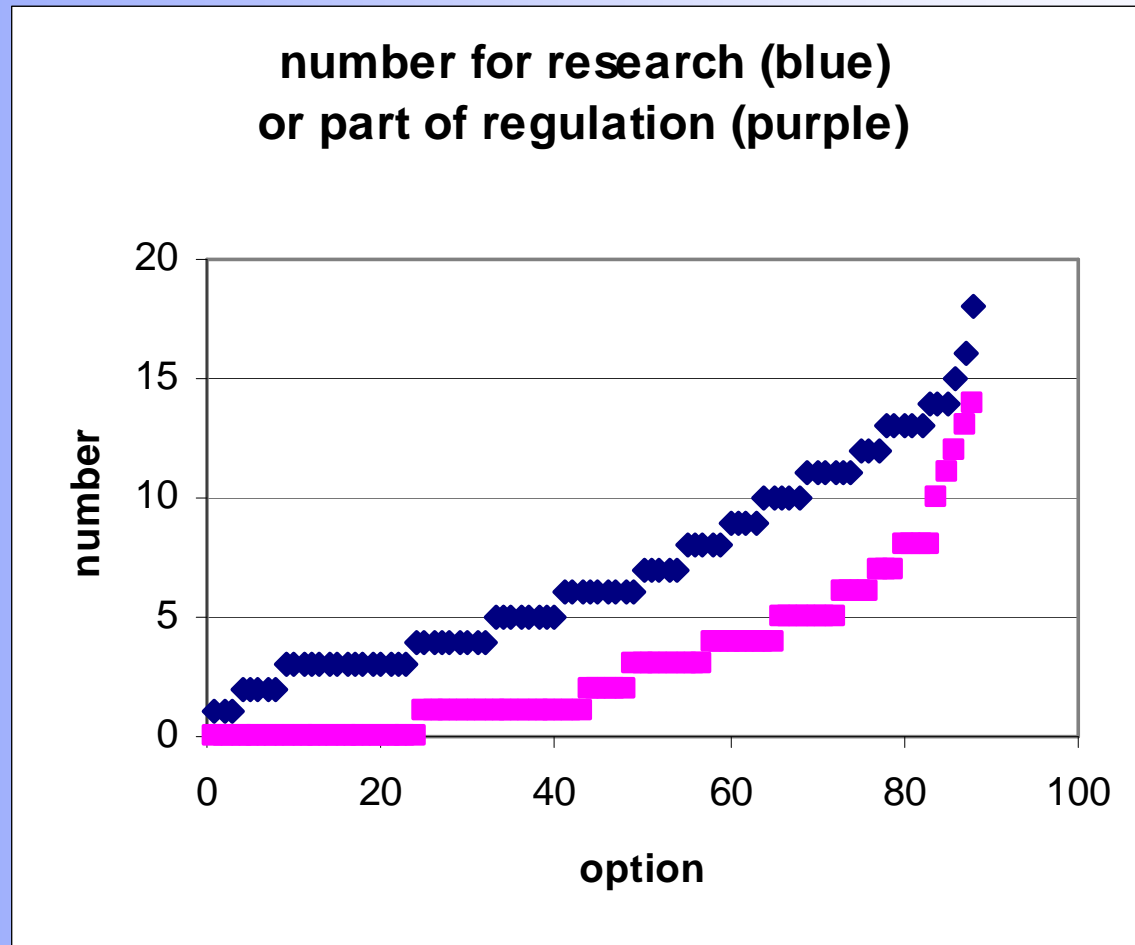


Results of inventory: countries





Results of inventory: options





Results of inventory: popular options - research

option	research	regulation
Minimum, ridge or no-tillage	18	4
Reduce fertilizer inputs to arable land	16	7
Reduce fertilizer inputs to grassland	15	6
Improve soil organic matter content	14	3



Results of inventory: popular options - regulation

option	regulation	research
Cover cropping during winter	14	14
Timing windows for manure application	13	10
Reduce rate of manure application and redistribution	12	12
Incorporation of manure	11	11



Results of inventory: unpopular options - rejected

option	countries
Immobilizing amendments to soil	4
Stop animal production (locally)	4
Stop weed cutting and channel dredging: stimulates retention of particular N,P	3



Other options considered (not listed in 88)

Other options mentioned: ca: 25, examples:

- Irrigation management**
- Burning slurry or manure**
- Immobilising amendments to sewage sludge**

Thus, total number of options exceed 110



Questions, remarks ?