

FOCUS Groundwater Workgroup

Jos Boesten

Membership

Jos Boesten	NL	Bernd Gottesbüren	ECPA
Ralf Fischer	DE	Andreas Huber	ECPA
Karin Hanze	SE	Russell Jones	ECPA
Tim Jarvis	UK	Paul Sweeney	ECPA
Michael Klein	DE		
Brigitte Remy	FR		
Aaldrik Tiktak	NL	Michaela Jandorova	CZ
Marco Trevisan	IT	Zita Varanaviciene	LT
Marnik Vanclooster	BE		
Jan Vanderborght	BE		

Basis

remit from FOCUS Steering Committee

Time schedule

start: last week

life time: 18 months

Product

Guidance document

Objectives

- A Development of tiered leaching assessment schemes for EU and national levels
- B Improved leaching assessment for tier 1 at EU level (FOCUS Groundwater Scenarios)
- C Higher tier leaching modelling approaches
- D First assessment of possibilities for groundwater scenarios for 10 accession states

A Tiered leaching assessment schemes for EU and national levels

Subgroup A

Bernd Gottesbüren

Ralf Fischer

Karin Hanze

Russell Jones

Michaela Jandorova

Tim Jarvis

Brigitte Remy

Marco Trevisan

Zita Varanaviciene

A Tiered leaching assessment schemes for EU and national levels

EU and national levels !!

as much as possible harmonised for different zones
(north – central – south)

harmonisation of risk characterisation in a zone,
not necessarily of decision making

different assessment schemes for EU and national levels
because purposes are different

A Tiered leaching assessment schemes for EU and national levels

Approach

review guidance already given in EU and FOCUS docs

review existing national approaches for leaching
(questionnaire to MS within a few weeks)

A Tiered leaching assessment schemes for EU and national levels

develop stepwise approaches for EU and national level considering

usefulness of different experimental studies

(field leaching, lysimeter, monitoring)

role of first and higher tier modelling procedures

B Improved leaching assessment for tier 1 at EU level

Subgroup B

Paul Sweeney

Jan Vanderborght

Jos Boesten

B Improved leaching assessment for tier 1 at EU level

Approach

harmonise dispersion length based on available measurements

(PEARL 5 cm and PELMO/PRZM 2.5 cm)

inventory of all existing technical difficulties with scenarios
(questionnaire to MS)

B Improved leaching assessment for tier 1 at EU level

Already identified issues:

analyse problems with irrigation

consider adding additional crops

analyse problem with transpiration data

analyse problems with representativeness of Piacenza/Porto

c Higher tier leaching modelling approaches

Subgroup C

Marnik Vanclooster

Andreas Huber

Michael Klein

Aaldrik Tiktak

c Higher tier leaching modelling approaches

Approach

Investigate usefulness of GIS based approaches for EU and national assessments (as much harmonisation within zones North Central South as possible):

inventory of available data by creating fact sheets

inventory of methods for using GIS data

c Higher tier leaching modelling approaches

2. Investigate usefulness of inverse modelling

review guidelines for lysimeter and field leaching studies

review knowledge in field of inverse modelling

c Higher tier leaching modelling approaches

- Investigate possibilities of including subsoil degradation

review of available information

D First assessment of possibilities for groundwater scenarios for 10 accession states

Subgroup C

Approach:

in second half of workgroup life

include already now information from accession states in inventory of available GIS information

A Tiered assessment
at EU and national level

B Tier 1
at EU level

C Higher tier
modelling
at EU + MS level

D Scenarios
acceding states



Meetings in 2004:

2. April

3. June

4. October

5. December