

# FOCUS Version Control of repaired FOCUS surface water scenarios

Paulien Adriaanse

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# Outline

- Introduction

- Overview of aspects and documents to update

- Discussion

- Conclusions



# Introduction

- Step 3 FOCUS surface water scenarios 'repaired' and associated software updated by EFSA WG according to mandate EC



- Main points:
  - # 20 year simulation instead of 12/16 months (->PEC<sub>sw</sub> more robust)
  - # 6 year warming up (-> accumulation in sediment)
  - # irrigation within PRZM/MACRO model based upon soil moisture
  - # default application timing linked to GAP, use of PAT (# drift deposition excluded)

# Overview of changes



- Scenario definition (main text FOCUS, 2001)
- Model concepts, implemented in source code
- Model user-friendly interfaces, incl. databases
- Parameterization of models
- (Installation and communication requirements of VC)

# Overview of changes – task for ?



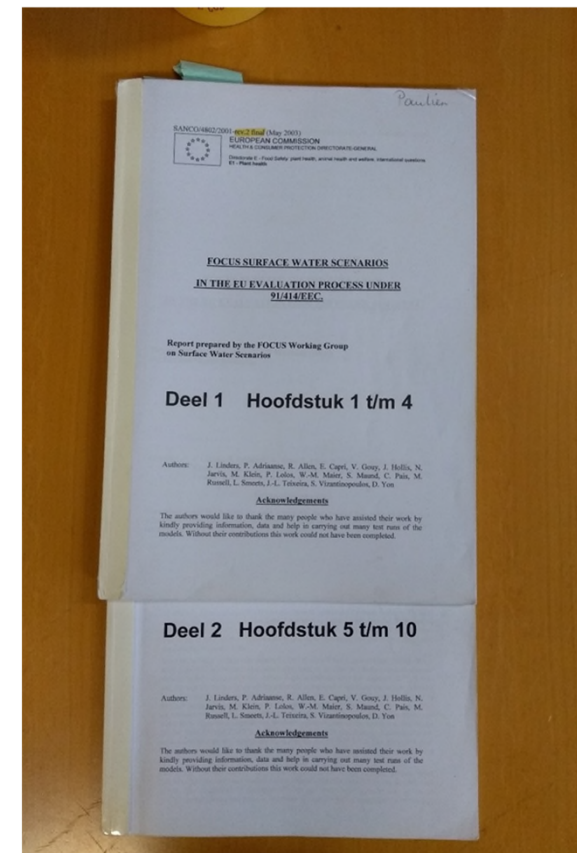
- Scenario definition (main text FOCUS, 2001):

# additionally to FOCUS Repair report  
# what text is still valid/invalid ?

- Who will document ?

# EFSA Pest. Peer Review unit

(# Role WG members ?  
But -> outside remit WG)



# Overview of changes – task for ?



- Model concepts, implemented in source code:  
e.g. irrigation, wash-off

- Who will document:

# Model developers  
(Jarvis and Stenemo, Adriaanse and Beltman,  
Reinken and Reichenberger..)



# Overview of changes – task for ?

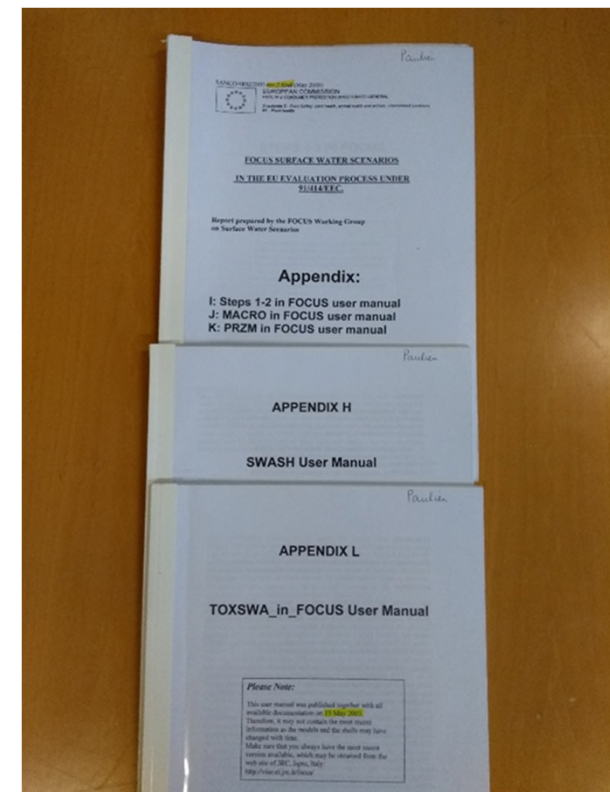


- Model user-friendly interfaces, incl. databases:

# To update/separate out existing docs on PRZM, MACRO, TOXSWA plus SWASH and PAT

- Who will document:

# Interface developers (Jarvis and Stenemo, Adriaanse and Beltman, Reinken and Reichenberger..)



# Overview of changes – task for ?



- Parameterization of models (incl PAT) for repaired FOCUS surface water scenarios

To separate out and update existing docs:

# List all input files and describe all input parameters

# Specify all values of input parameters and their origin:  
FOCUS definition, FOCUS scenario specific, user input, or model  
development definition

# List all output files and describe all output parameters



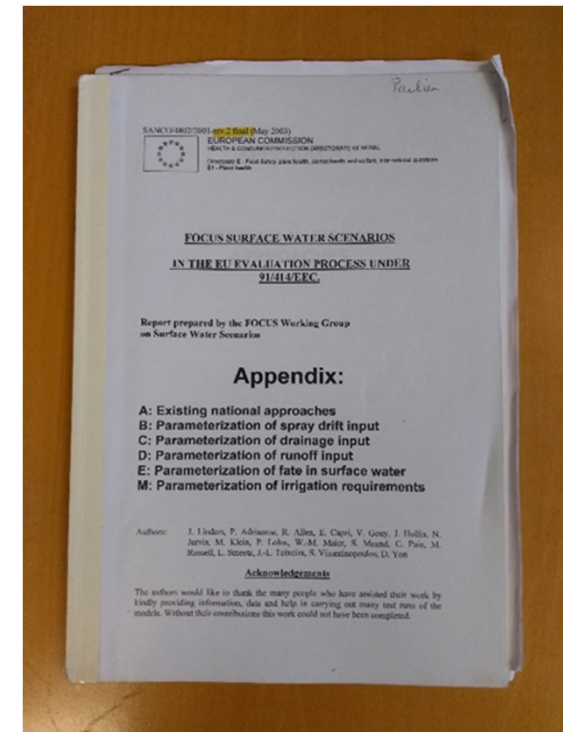
# Overview of changes – task for ?

- Parameterization of models for repaired FOCUS surface water scenarios

# To update existing docs

- Who will do:

# Model developers  
(Jarvis and Stenemo,  
Adriaanse and Beltman,  
Reinken and Reichenberger..)



# How to proceed ?

- Discussion:  
questions, remarks

e.g. Do test runs need to be better defined than they are now in VC doc ?



- Conclusion, how to proceed ?

# EFSA Working Group

## Experts

- Paulien Adriaanse (Wageningen Environmental Research)
- Arnaud Boivin (ANSES)
- Michael Stemmer (AGES)

## Hearing experts

- Stefan Reichenberger (Dr Knoell Consult)
- Gerald Reinken (Bayer AG)
- Michael Klein (Fraunhofer Institute)
- Fredrik Stenemo (Sweco Environment)
- Nick Jarvis (Swedish University of Agricultural Sciences)



## EFSA staff

- Mark Egsmose
- Gabriela Fait