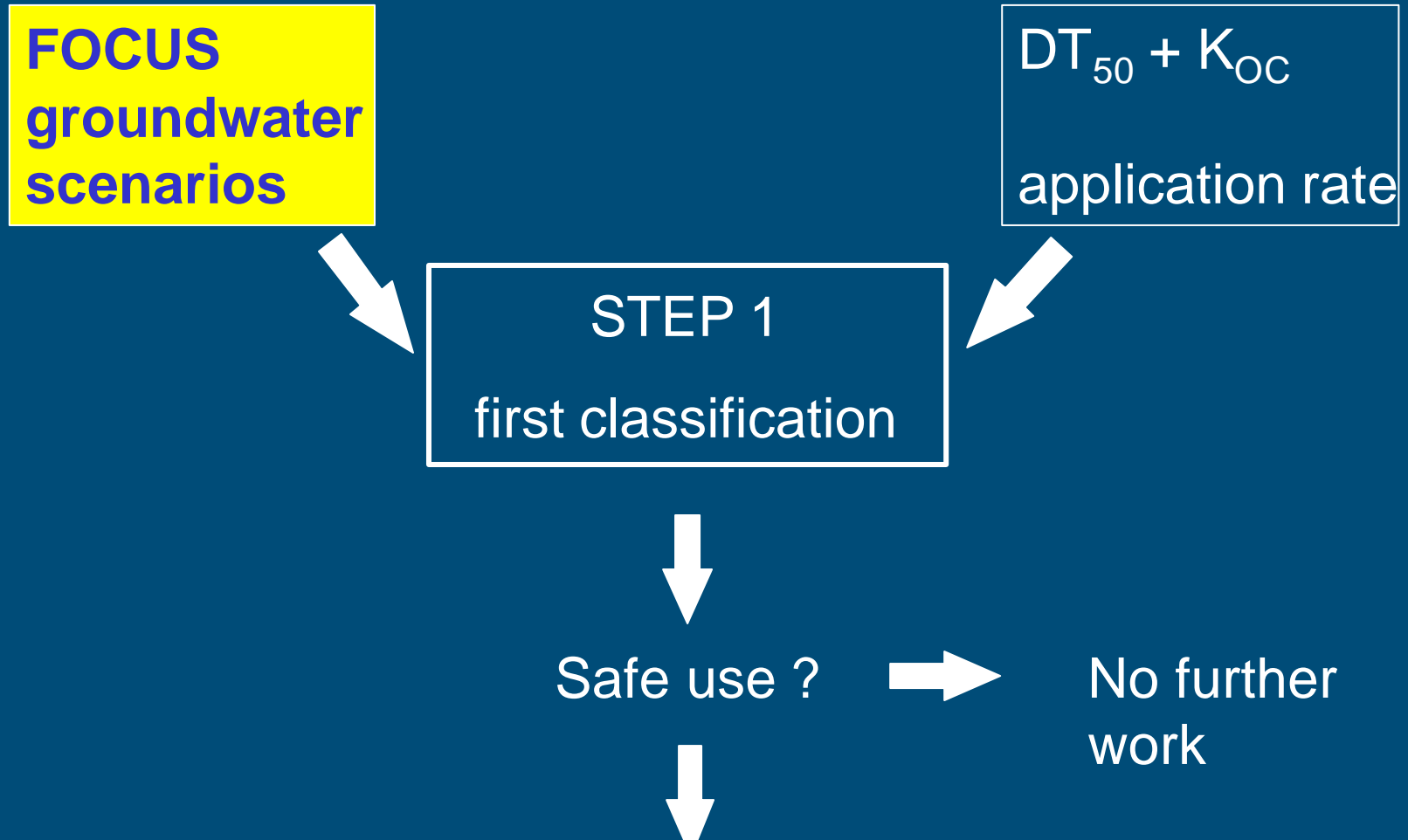


# Experiences with FOCUS groundwater scenario

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# Objective of FOCUS groundwater scenarios: identify safe uses in first tier at EU level



# Role of FOCUS scenarios in EU review process

Standard question of EC to Scientific Committee on Plants:  
“Can it be confirmed that use scenarios exist which pose no unacceptable risk to groundwater ?”

Aim: identification of safe uses within EU

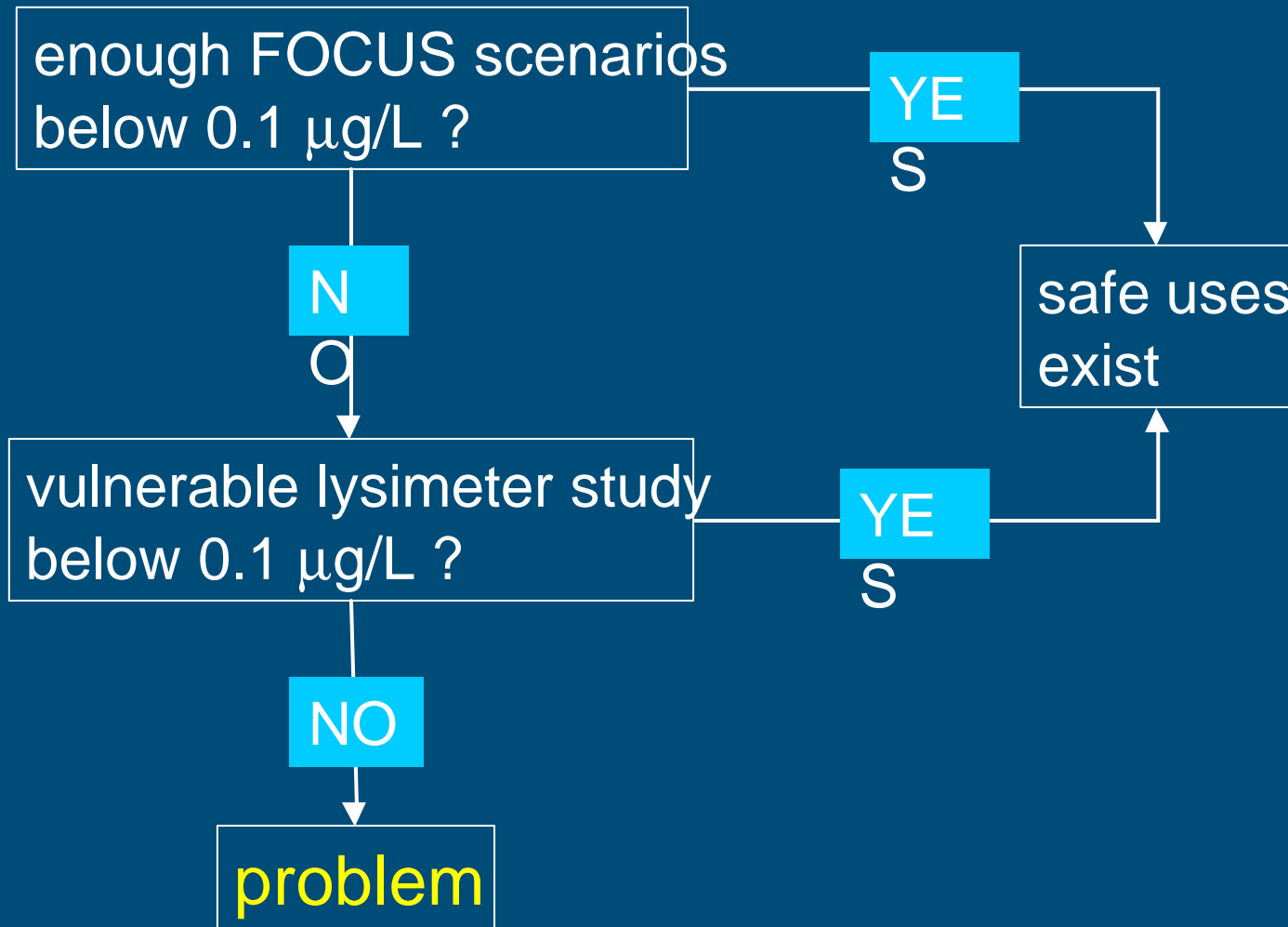
Each FOCUS scenario:  
realistic worst case in major agricultural area  
so developed to answer question

# Role of FOCUS scenarios in EU review process

- what if some scenarios above and some below  $0.1 \mu\text{g/L}$  ?  
scientific consequence of FOCUS approach:  
acceptable if 1 out of 9 is below  $0.1 \mu\text{g/L}$   
(if one of the scenarios with large surface area)
- no consensus so far about number of “positive FOCUS scenarios” needed
- decision in Working Group Pesticides Legislation to be based on examples like atrazine

# Combination of FOCUS scenarios with lysimeter studies in EU review process

- FOCUS scenarios are first tier
- lysimeter studies are next step
- no guidance available at EU level so far



So if vulnerable lysimeter below  $0.1 \mu\text{g/L}$  then FOCUS calculations are overruled.

If vulnerable lysimeter above  $0.1 \mu\text{g/L}$  then lysimeter result is overruled by FOCUS scenarios that give less than  $0.1 \mu\text{g/L}$ .

# Causes of differences between PEARL, PELMO and

EU modelling workshop 2001:

- differences between PEARL and PELMO/PRZM are result of differences in dispersion process

U. Borde (PhD student Bayer):

many PELMO/PEARL calculations for German scenarios:  
differences seem to be influenced by  $DT_{50}$  :  
differences larger for longer  $DT_{50}$

More comparisons needed for appropriate explanation