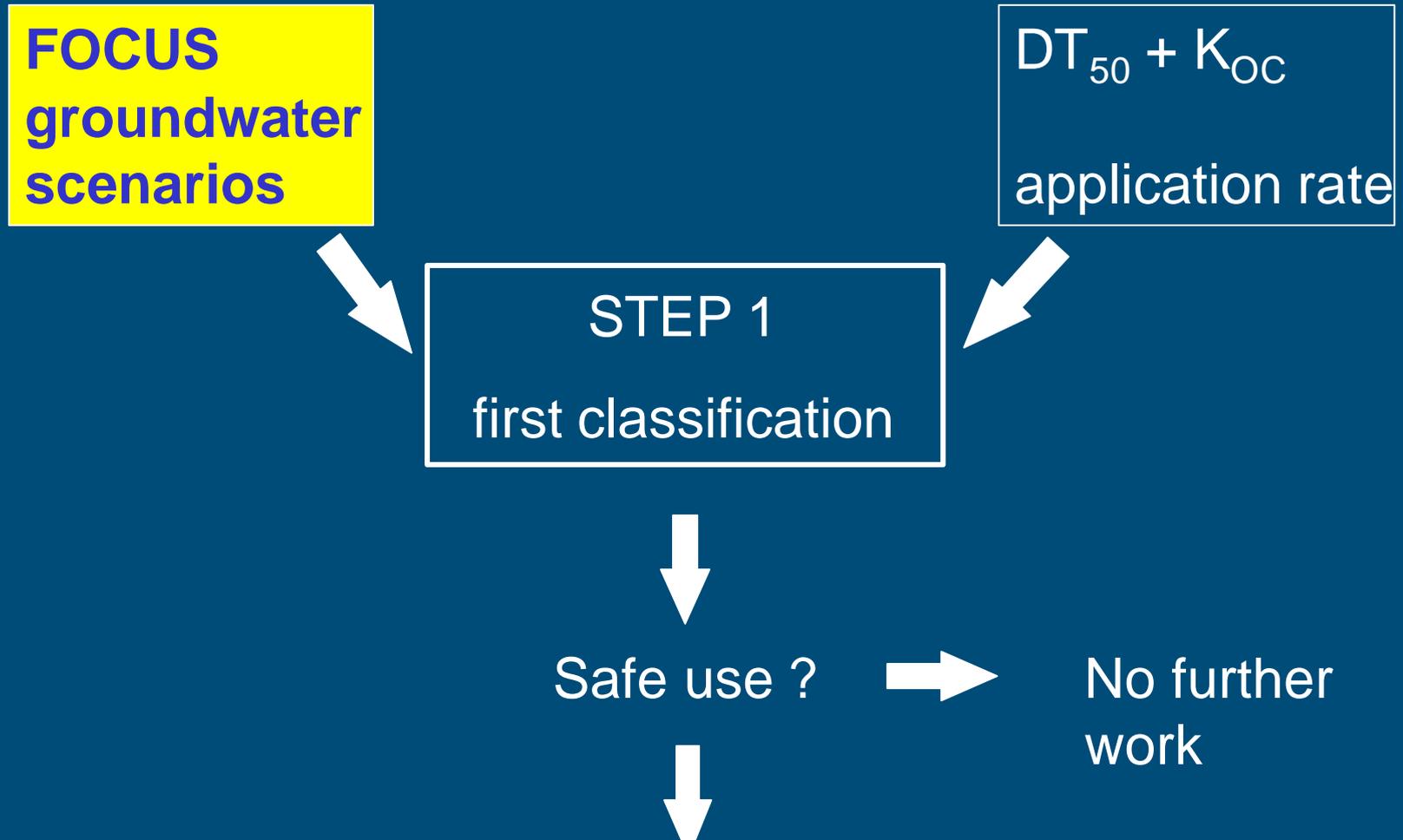


Experiences with FOCUS groundwater scenario

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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

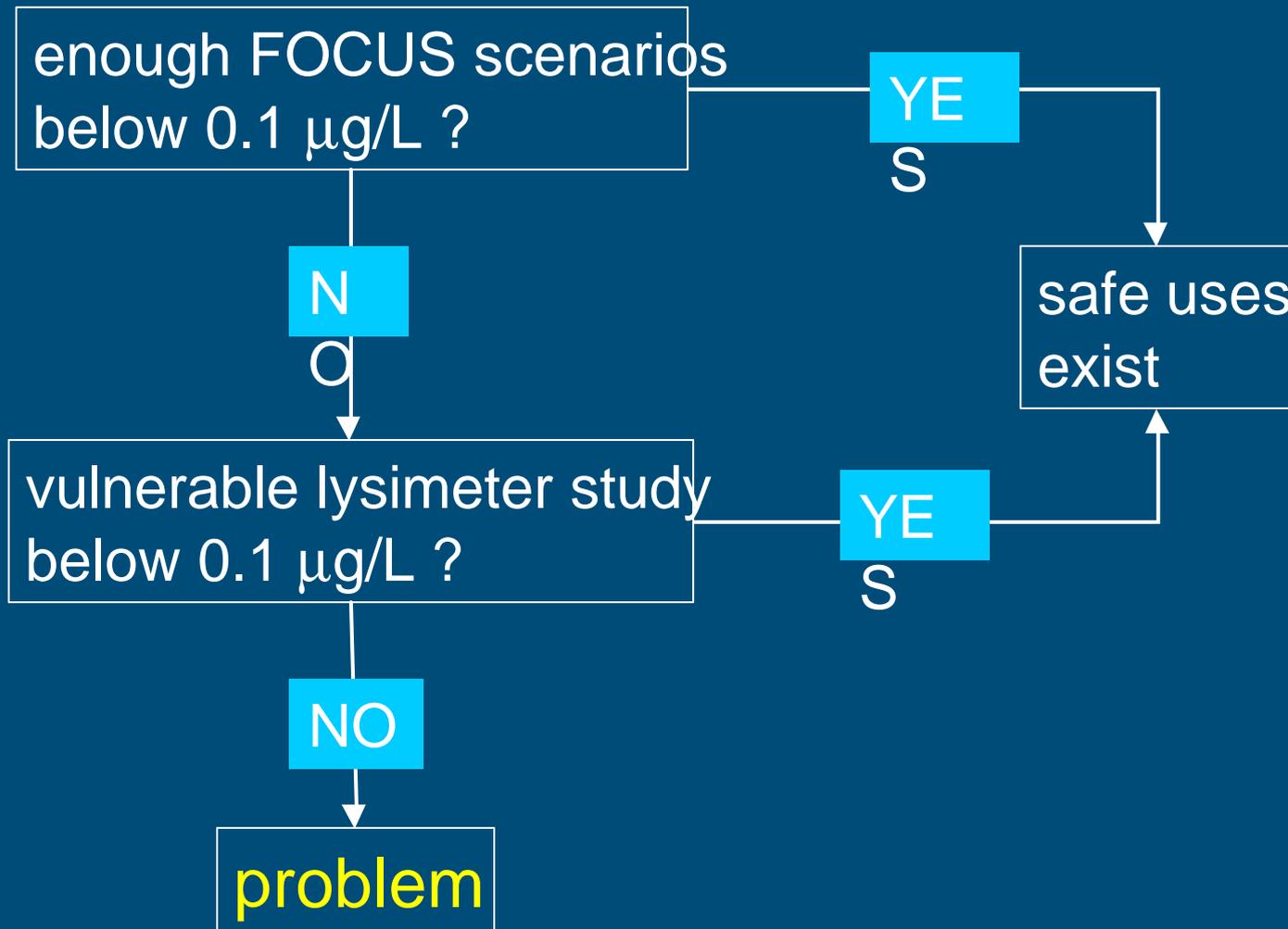
Each FOCUS scenario:
realistic worst case in major agricultural area
so developed to answer question

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