



# Little cascades of innovation to deep changes: contribution of digital and artificial intelligency to the active pedagogies

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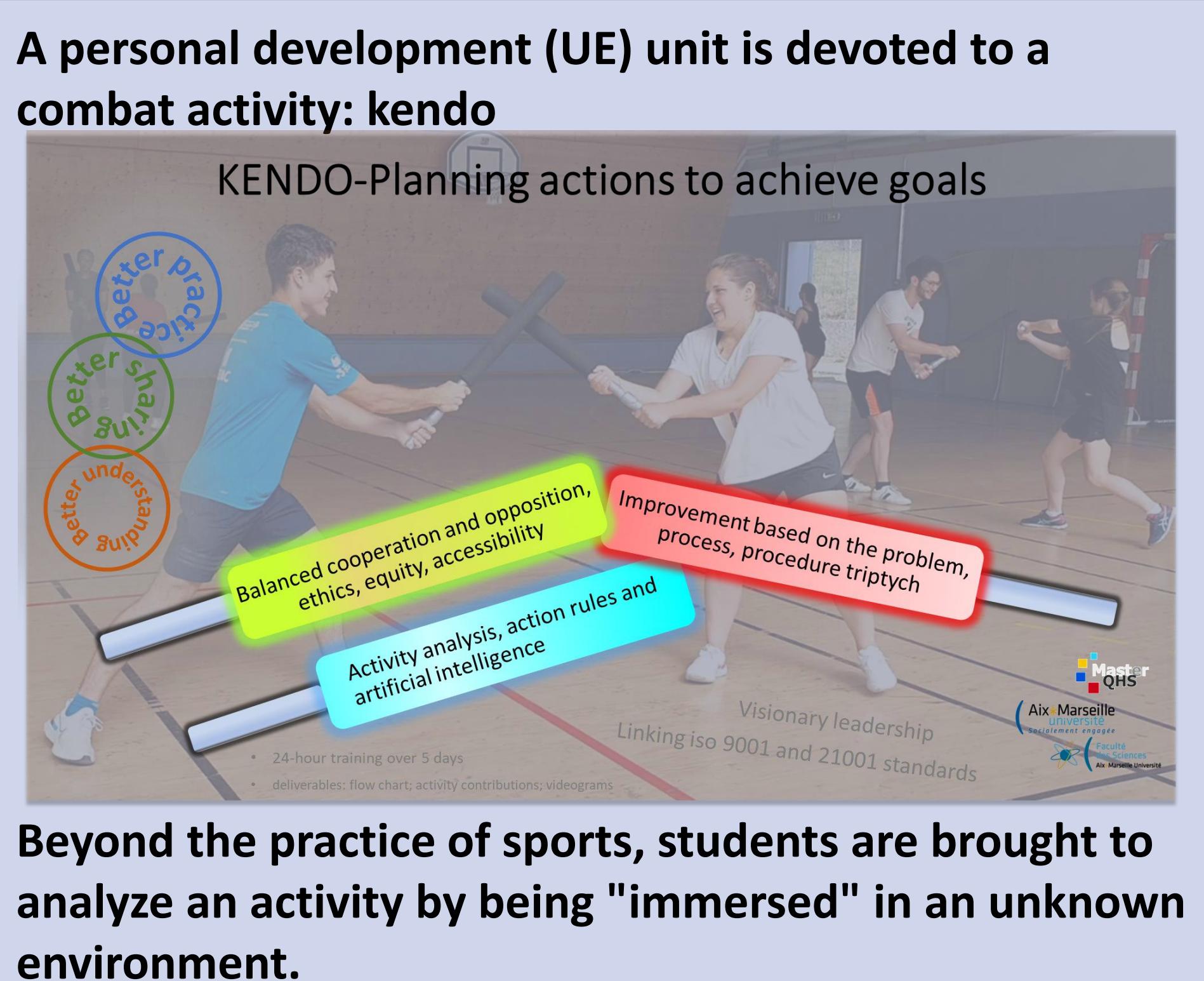
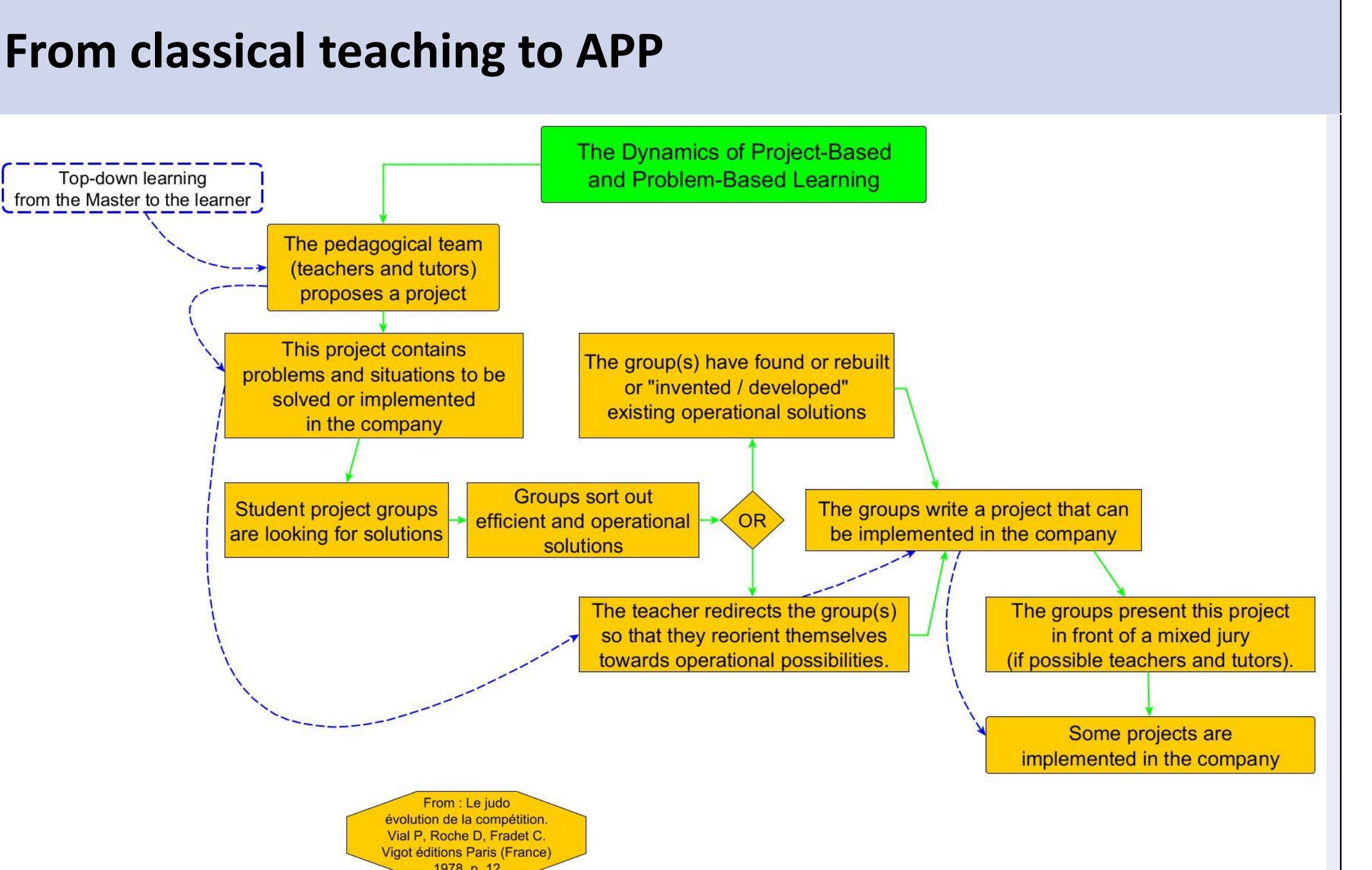
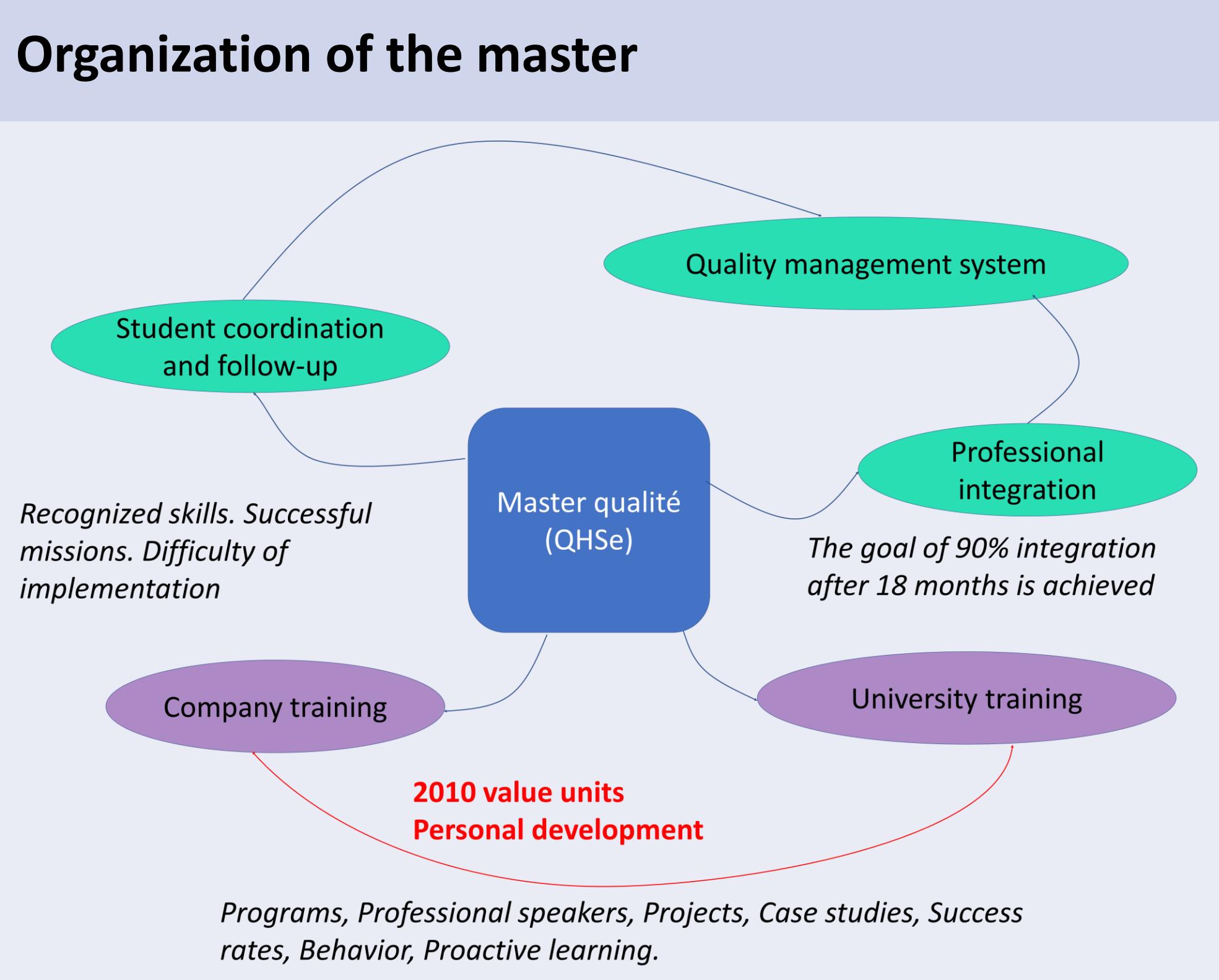
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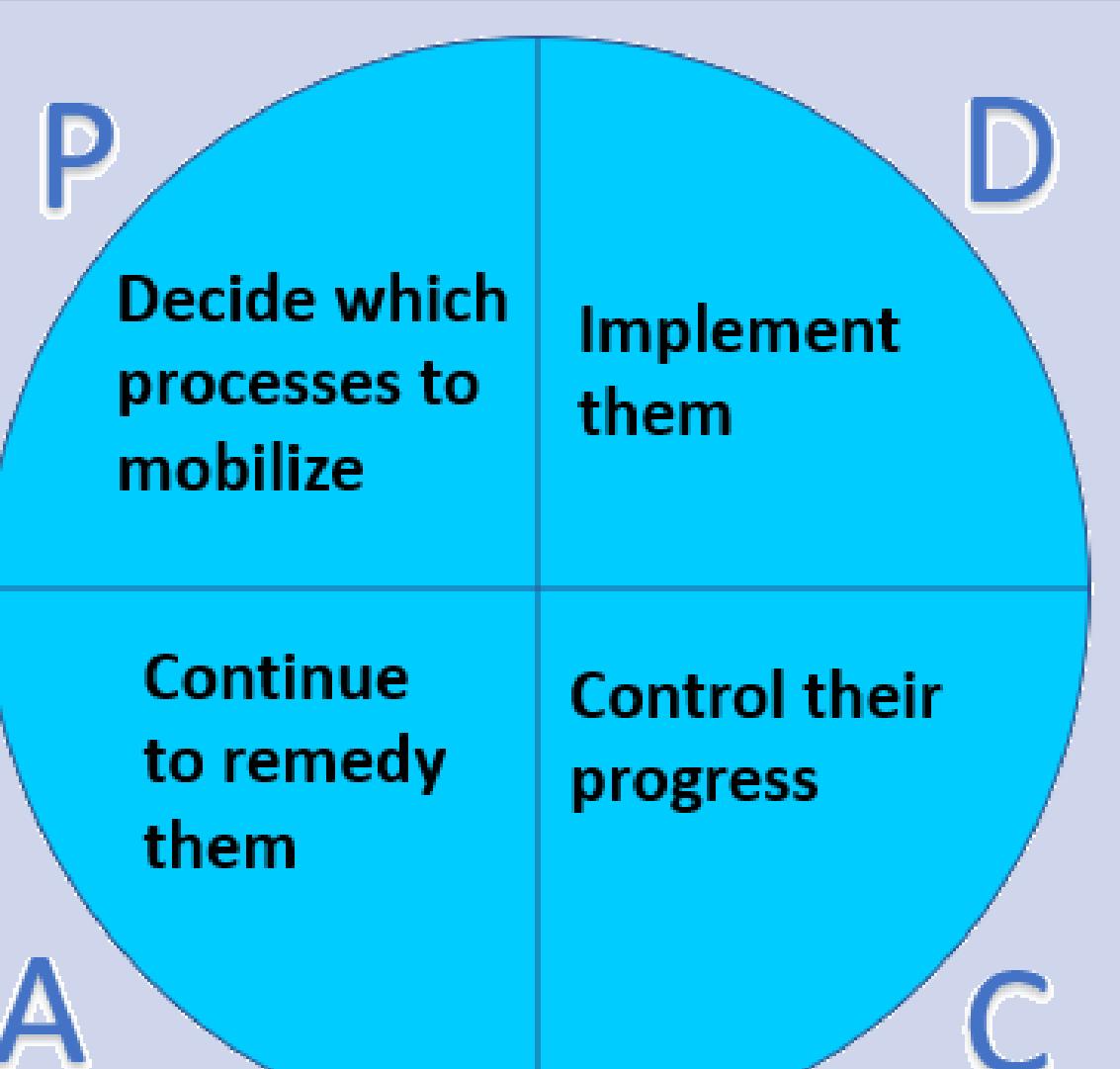
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# Little cascades of innovation to deep changes : contribution of digital and artificial intelligence to the active pedagogies

## Pedagogical innovation(s): active pedagogies integrate a system: problematic->process->procedure



The interest of combat sports lies in the fact that the combat can be assimilated to a whole and whole and complex system for which the fighter will have to set himself one or several objectives (political, strategic).



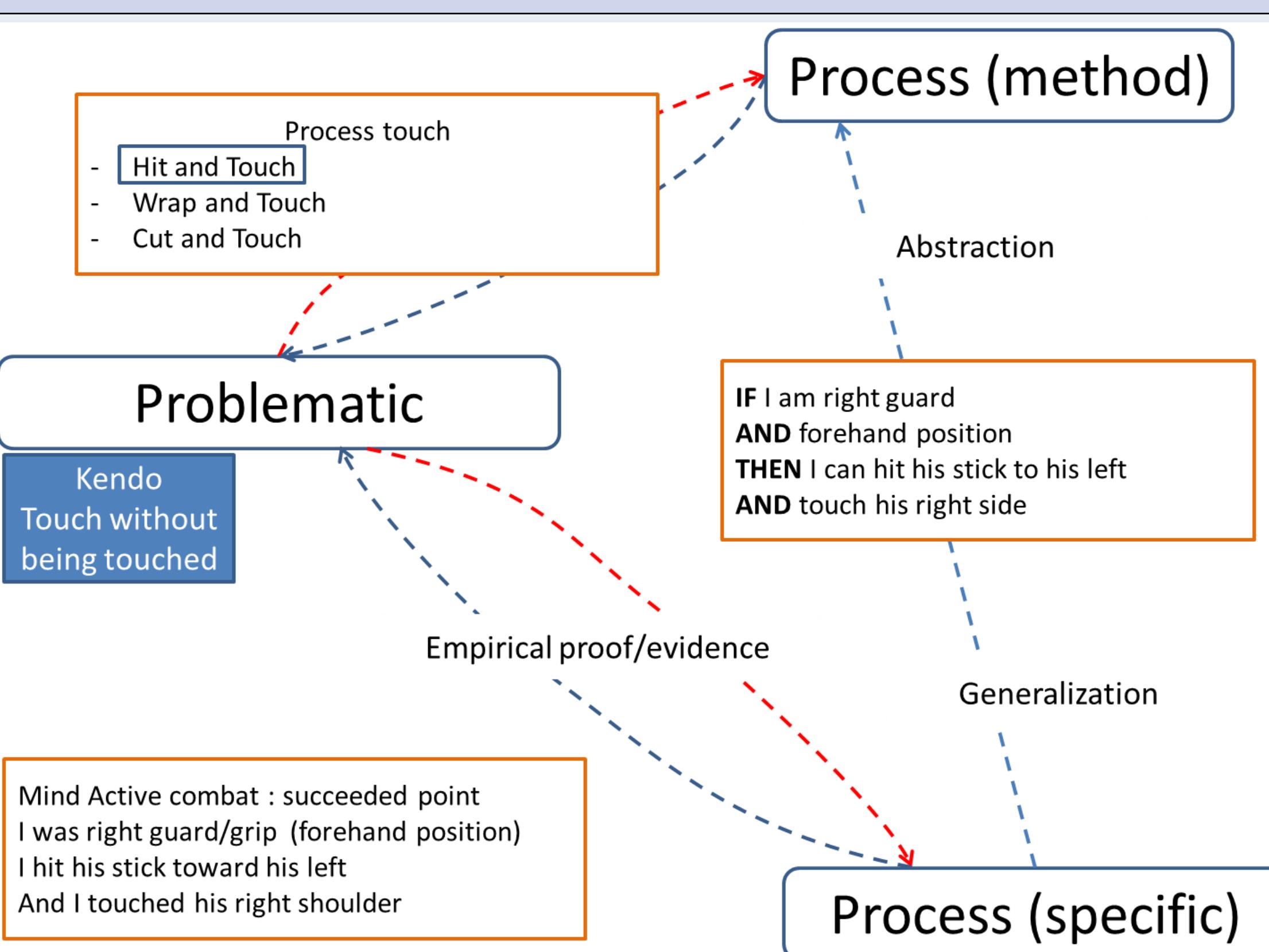
The teaching of Kendo follows the dynamics of APP, the objectives are to learn and understand. We find the Deming wheel (PDCA) but robotics also proposes the OODA loop (observe, orient, decide, act).

### Better practice, better sharing, better understanding

- This triptic is found in the combat with memory. During the combat, the aim is to "remember" the hits made (the learners are focused on the task at hand and not on the result). When one combatant has made the same hit twice, he interrupts the combat, shows the hit to the other combatant and then teaches her/him the hit:

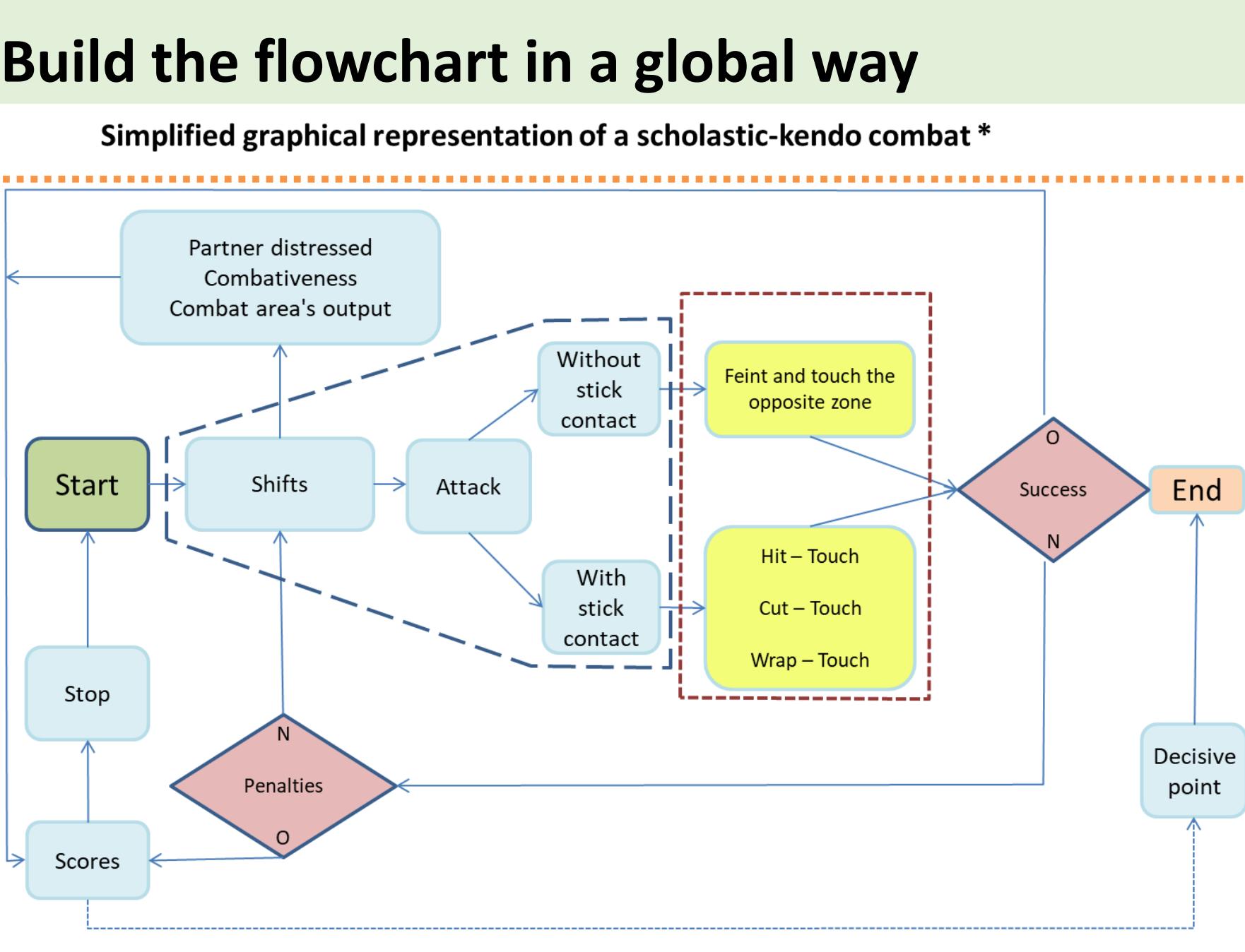
### Take a point, then give her/him back to understand.

- The aim of the combat with memory is to be able to show the class what was found by a couple

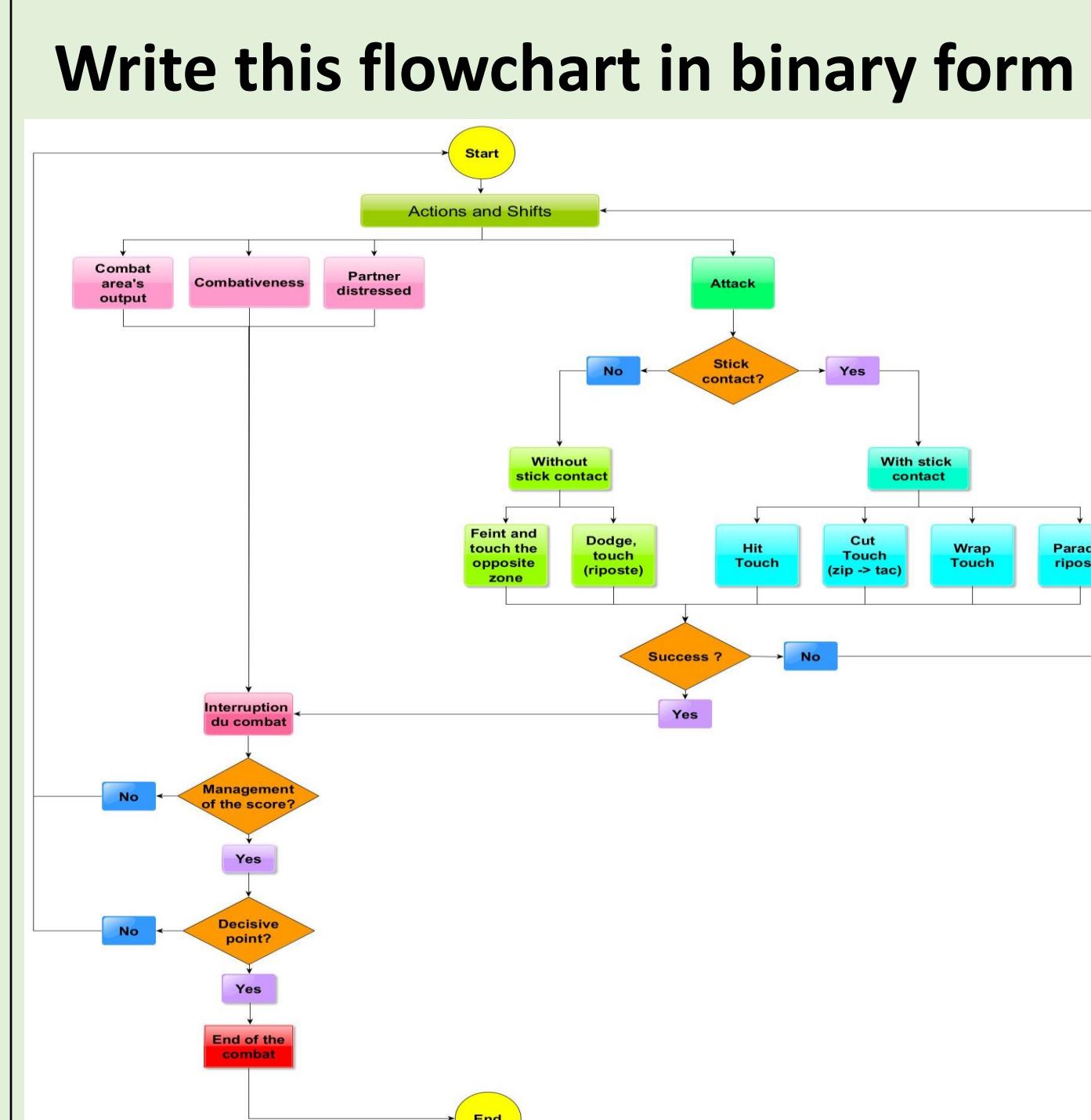


Satisfaction surveys show that 85% of students are satisfied or very satisfied with this U.E.

## Digital innovation(s): from global understanding to digital modeling

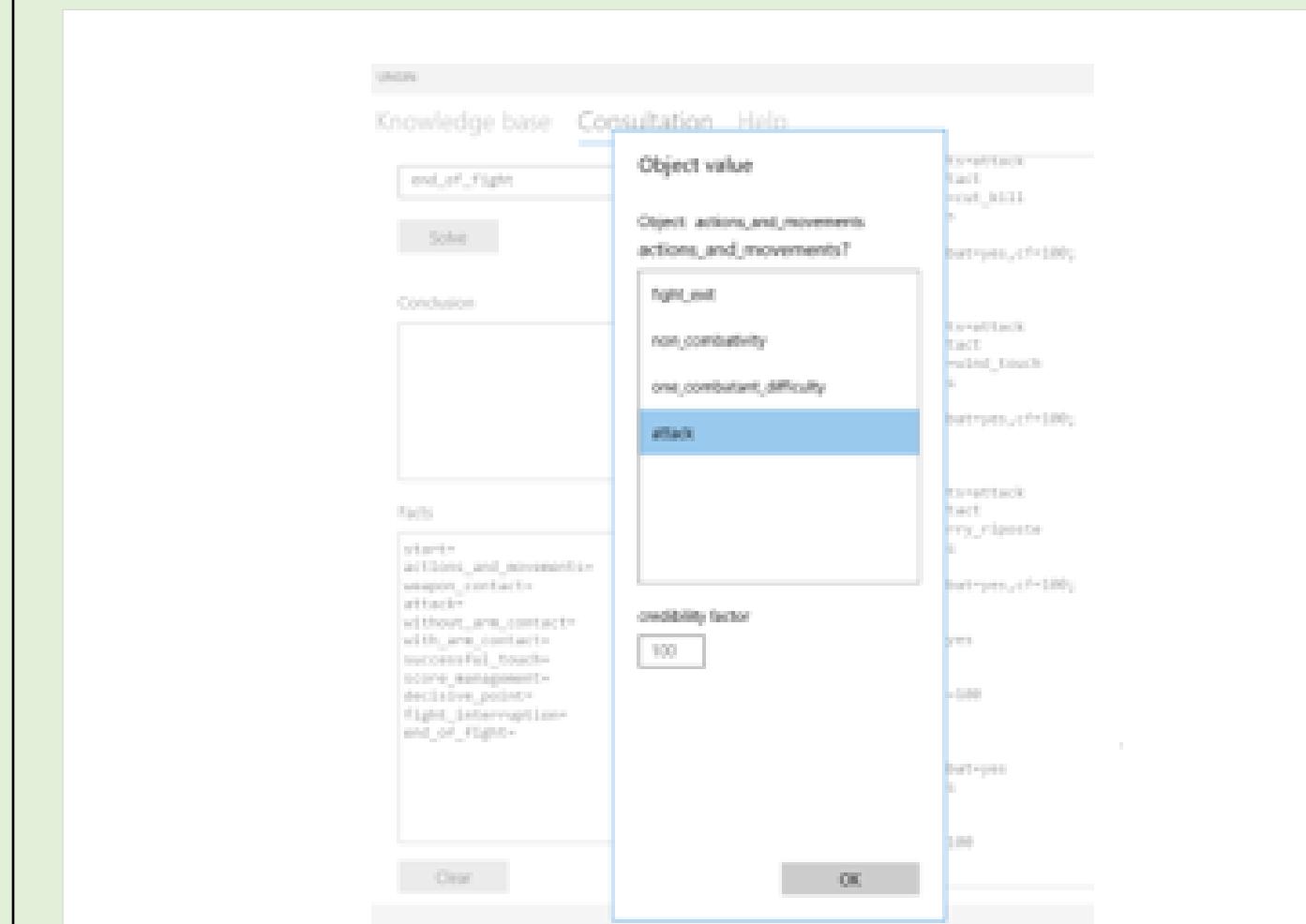


Making a flowchart from actions or from the observation of actions is a professional skill required from students



### expert system (SE) <-> user (Ut) watch the video

SE: Is there any action or movement?  
Ut: There is an attack



SE: Did the weapons come into contact?  
Ut: Yes

