Technical solutions for validation automation/planning.

• Introduction
  • 17 different institutes
  • 47 participants
  • 19 countries
  • 23 students (universities)
  • 9 regulatory
  • 6 industry
  • 9 other

• How was workshop arranged: Divided into 7 groups, several questions answered online in Google Docs.
Q1: Most well-known validation guidelines.

Q2: How do we validate?
Q3: Should validation be taught at universities?

• All participants answered „Yes“!
  
  • it is better if you have knowledge before you start working
  • To be aware that is an important as a concept, but not to the specific level
  • It is even helpful if the person already have some laboratory experience
  • Wish I had learned it

Q4: Validation data electronically in separate electronic section of journal

• Ideas from the working groups:
  
  • Advantages:
    • It will make the published works more reliable.
    • We can do cross checking across the guidelines everytime
    • freedom of knowledge, collaboration, increase comparability, enhance the trustworthiness of data
    • We can always have access to requirements.
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  • Disadvantages:
    • Maybe difficult to extract software files with calculation details, may demotivate some persons trying to do new or non targeted analysis
    • Different publishers will design different guidelines, meaning that the problem is still not solved, work intense
    • May be restrictive, would be good as an option. Hard to check calculations
Q5: Official guidelines published as software.

- Ideas from the working groups:
  - **Advantages:**
    - Yes, so that more students, research institutes, academe and company can benefit with it but with a promise of data protection once our data is inputed in the software.
    - Once validation is relied on software, chemists can work with more complex problems
    - Eurachem validation software is good idea, but...
  - **Disadvantages:**
    - But it can limit our creativity or or interpretation!
    - Eurachem validation software is good idea, but how much would it cost to create
    - Updating the supporting software (MS EXcel, Empower etc.) will need revalidation
    - Eurachem is a nonprofit organization. The problem comes with responsibility. You input all the data and the processing is done by the software. If something goes wrong we may not have a way to check.