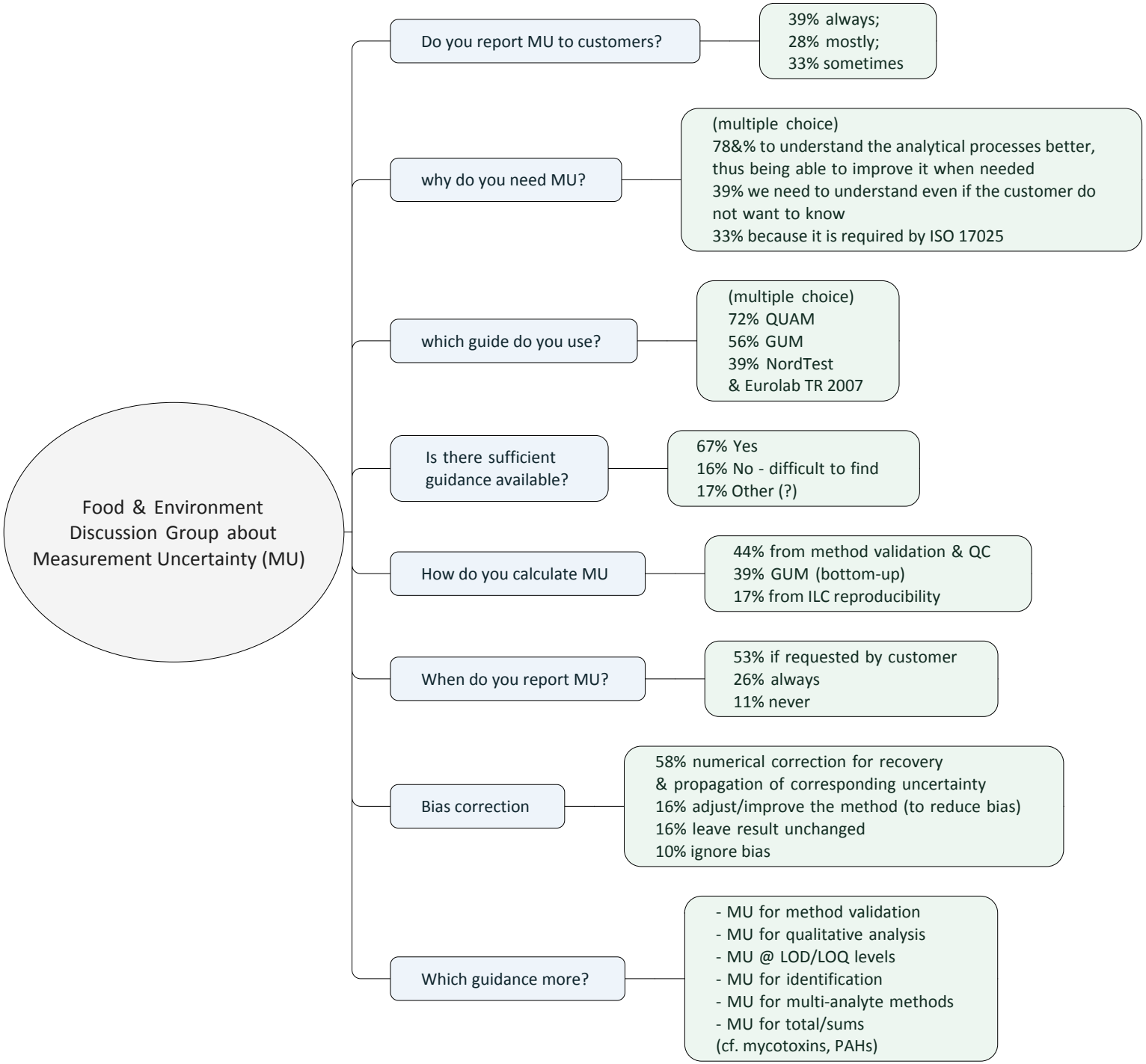
Food & Environment Discussion Group about Measurement Uncertainty (MU)
Do you report MU to customers?
39% always;
28% mostly;
33% sometimes
why do you need MU?
(multiple choice)
78&% to understand the analytical processes better, thus being able to improve it when needed
39% we need to understand even if the customer do not want to know
33% because it is required by ISO 17025
which guide do you use?
(multiple choice)
72% QUAM
56% GUM
39% NordTest
& Eurolab TR 2007
Is there sufficient guidance available?
67% Yes
16% No - difficult to find
17% Other (?)
How do you calculate MU
44% from method validation & QC
39% GUM (bottom-up)
17% from ILC reproducibility
When do you report MU?
53% if requested by customer
26% always
11% never
Bias correction
58% numerical correction for recovery & propagation of corresponding uncertainty
16% adjust/improve the method (to reduce bias)
16% leave result unchanged
10% ignore bias
Which guidance more?
- MU for method validation
- MU for qualitative analysis
- MU @ LOD/LOQ levels
- MU for identification
- MU for multi-analyte methods
- MU for total/sums
(cf. mycotoxins, PAHs)