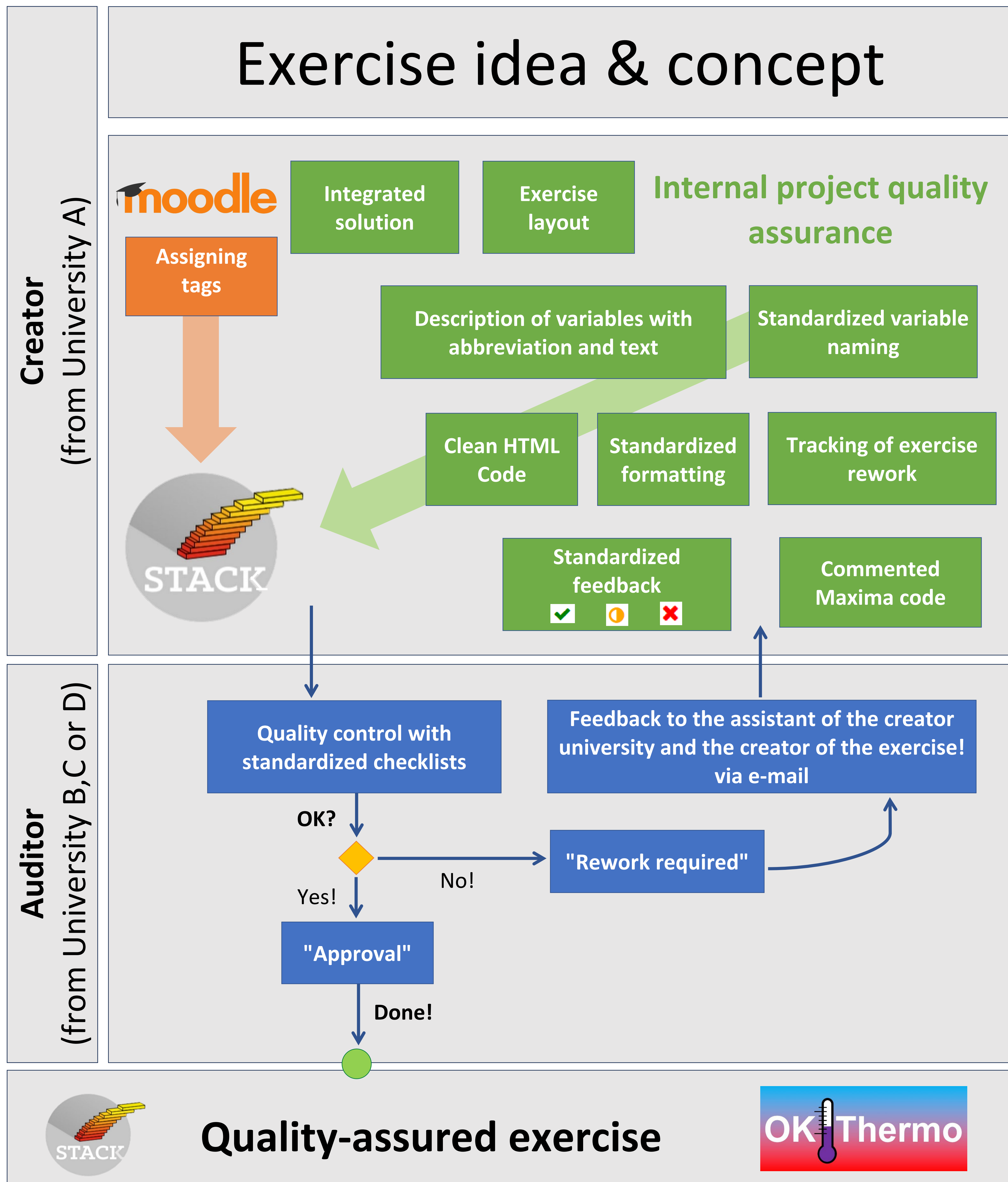


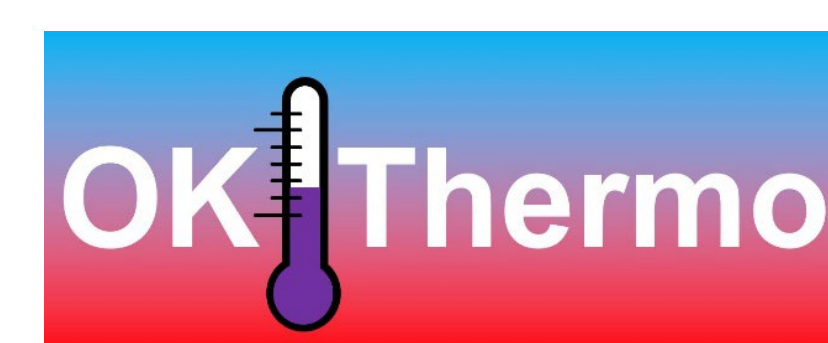
# OK!Thermo

## Collaborative Quality Control of Exercises from the OK!Thermo Exercise Pool



### The Project

Collaborative work on an exercise pool with four universities, six professors and several assistants needs quality control.



### Current status

| Category                  | Exercises  |
|---------------------------|------------|
| In progress               | 59         |
| Ready for quality control | 84         |
| Rework required           | 20         |
| Quality-assured exercises | 86         |
| <b>Total</b>              | <b>249</b> |

### Contact

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### Excerpt from our checklist

| Checklist for Quality Assurance |  |   | Auditor (not from University of Creator) |                      |  |
|---------------------------------|--|---|--|----------------------|--|
| Sector                          | Aspect   | Explanation   | Responsibility                           | Externally audited?  | Action required  |
| Appearance                      | Display of the units                                     | see file: ...\\sciebo\\...\\Dos-and-Donts.docx  | primary                                  | OK                   | No   |
| Content                         | Complete values for calculation                          |   | primary                                  | OK                   | No   |
| Integrated solution             | Available in "General feedback"                          | see file: ...\\sciebo\\...\\Dos-and-Donts.docx  | primary                                  | Changed by auditor   | No   |
| Integrated solution             | Comprehensible   |   | primary                                  | OK                   | No   |
| Integrated solution             | Input inaccuracies (tolerance) estimated/calculated      | see file: ...\\sciebo\\...\\Dos-and-Donts.docx  | secondary                                | OK                   | No   |
| Implementation                  | Comprehensibly documented code                           | - Comments in the code<br>- HTML code lean<br>- Variable naming and unit (conversion)   | optional                                 | Changed by auditor   | No   |
| Implementation                  | Feedback tree tested with various inputs                 | Also test if subsequent errors occur!   | primary                                  | Rework required      | Feedback to creator!   |
| Implementation                  | Randomization lies within a sensible value range         |   | secondary                                | Not checked/existing | No   |
| Documentation                   | All required tags are assigned                           | Origin, creator, date of creation, content (max. 3), Bloom's ability, difficulty (level 1-3), processing time (in min.), solution input, required aids, closeness to application, parameterized | primary                                  | OK                   | No   |
| ...                             | ...  | ...   | ...                                      | please choose        |  |
| Approval                        |  |   | primary                                  | please choose        | Check not yet completed!<br>At least all "primary" points must be completed. |
| Approval                        | "Checked" tag assigned & exercise moved in moodle-course |   | primary                                  | please choose        |  |

