Technology Readiness Level (TRL) descriptions[1]. Adapted for Social sciences, and Humanities and Arts

TRL 1 – *basic principles observed*. Identification of and observation of basic properties.

TRL 2 – *concept formulated*. Outcomes of the theoretical research are specified. Theorizing of potential practical applications.

TRL 3 – *experimental proof of concept*. Analytical research or experiments towards potential application(s). Initial testing of proposed solutions. Identification of potential stakeholders.

TRL 4 – *concept validated in R&D environment*. Proof of concept that is based upon the integration of applications and components to demonstrate viability. Concept is validated through pilot testing in to substantiate proposed solution(s). Identification of relevant stakeholders.

TRL 5 – *solutions validated in simulated relevant environment.* Refined integration of components to confirm validity. Proposed solution(s) are validated by relevant stakeholders.

TRL 6 – s*olutions demonstrated in simulated relevant environment.* Demonstration of a near-end state solutions and testing in a relevant environment in co-operation with relevant stakeholders to gain initial feedback. Parts of relevant documentation have been drafted.

TRL 7 – *solutions prototypical demonstration in operational environment*. Refinement of solutions and, if needed, retesting in relevant environment with relevant stakeholders. Drafts of relevant documentation are available.

TRL 8 – *solutions complete and qualified*. Proposed solutions as well as a plan for their application/adaptation are refined through testing, complete and qualified. Relevant documentation is almost completed.

TRL 9 – *actual solutions proven through testing and implementation in operational real-world environment*. Relevant documentation is completed and available for stakeholders. A sustainable set of support measures for the application of the solutions has been worked out.

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[1] [TRL Classification according to the Horizon 2020](#)