ESSnet Smart Surveys

Grant Agreement Number: 899365 - 2019-DE-SmartStat

Link to our CROS website

Workpackage 2
Smart Survey Pilots

Deliverable 2.8: : Functional and technical descriptions of tools – reading guide

Version 1.0, 20-12-2021

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SUMMARY: This WP2 deliverable is an update and expansion of deliverables 2.9 (WP2.1 – consumption), 2.10 (WP2.2 – time use) and an extension towards the smart survey case studies on physical activity (WP2.3 – health) and indoor climate (WP2.4 – living conditions). For consumption, it includes descriptions and elaborations that were made based on phase 3 field tests. For time use, it is supplemented by findings from the extended phase 2/2' functional tests. For physical activity and indoor climate, descriptions follow from phase 1 exploratory tests and first phase 2/2' functional tests. The latter have a preliminary nature as tests were conducted without a complete backend.

Deliverable 2.8 is intended to assist WP3 in creating proof-of-concept descriptions of architecture-metadata, privacy preservation, machine learning approaches, and gamification-incentives.

Detailed empirical motivations and discussion for choices and recommendations made in WP 2.8 can be found in deliverable 2.1.

READING GUIDE TO DELIVERABLE 2.8

Deliverable 2.8, functional and technical specifications, consists of four parts, one part per pilot. Each part is reported in a separate document. In all cases, reporting is structured along the lines of deliverable 2.7, which is the reporting template of WP2 to WP3. Deliverable 2.7 proposes four levels of description of smart survey pilots as well as mappings to the WP3 proof-of-concept's and to the six smart survey features. The four levels are:
1. CSPA conceptual, logical and physical levels
2. Methodology level
3. Logistics level
4. Legal-ethical-policy level.

The levels relate to the various WP3 PoC areas. Level CSPA contains relevant info for architecture and metadata. Information for machine learning approaches can be found in the methodology level (what models and techniques are used and how are they implemented and automated) and the logistics level (what human-in-the-loop elements exist and what active learning can be expected). The methodology level also applies to gamification-incentives, or , more generally, how respondents are engaged and involved. Privacy preservation is part of the CSPA and legal-ethical-policy levels.

Furthermore, the levels are crossed against frontend and backend. Generic specifications and country-specific features are sketched as well, but provided in detail in deliverable 2.5 on the shareability of tools.

Since analyses for the subpilots are not completed at the time of writing, final updates of WP3 specifications will be provided in the end report, deliverable 2.12, of WP2.