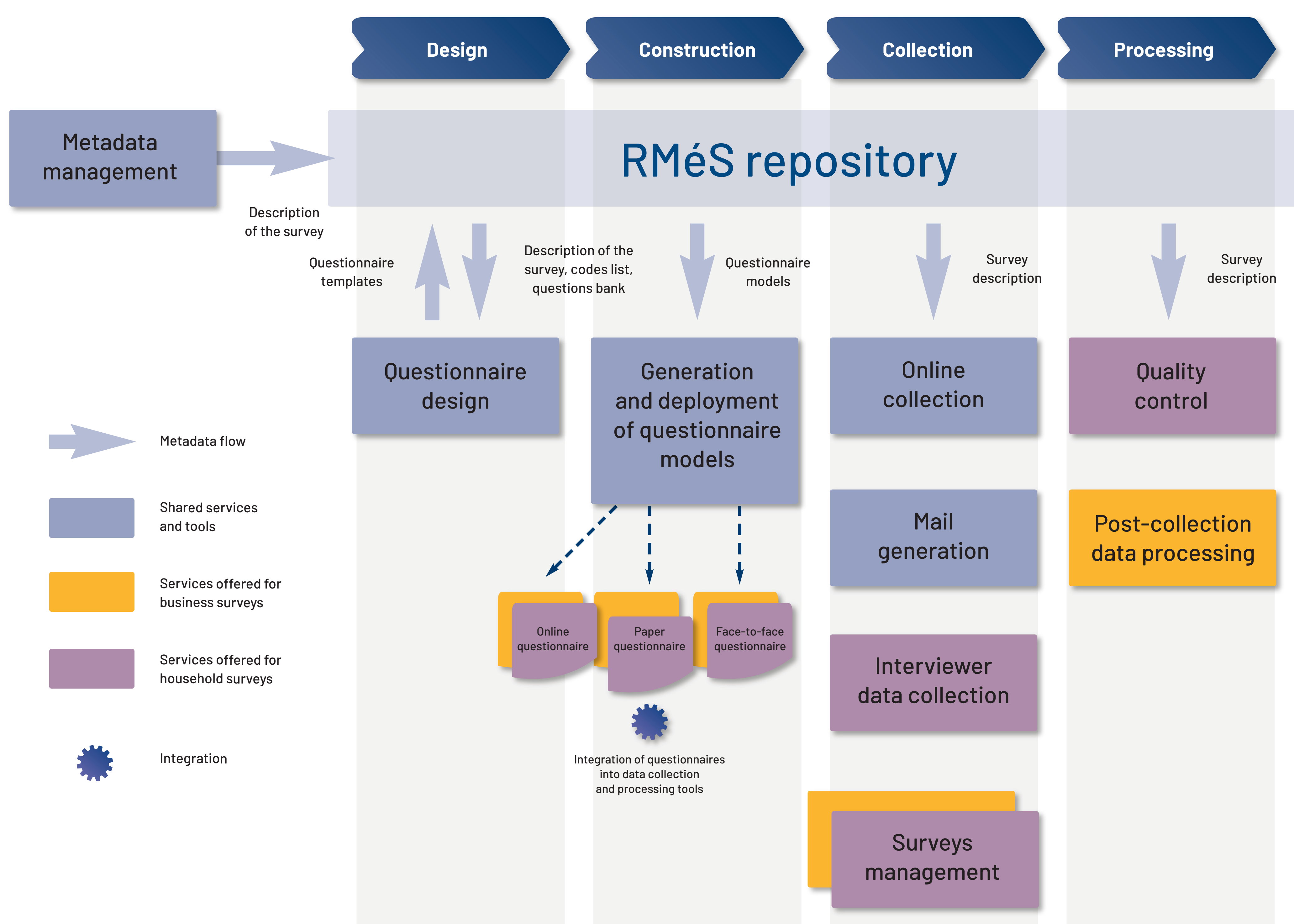


# Active metadata for the data collection system

« The target information system used to collect surveys essentially relies on the concept of active metadata in order to serve the various tools of the system. The uniqueness of the metadata propagated ensures consistency between all the services offered, regardless of collection modes and phases of the statistical process, an opportunity to develop mixed-mode surveys within the SSP (the official statistical system).

Benoît Werquin, IT project manager for the Métallica program



A few figures...

10

number of macro-services offered by the household data collection system (from design to collected data, including assistance, case management and reporting)

8

number of issues of the "Depeche Mode" newsletter, which provides information on the work of the multi-mode development program

250

average number of XML lines used to describe the semantics of a question (label, format, filter, collected variables, etc.) in the DDI metadata standard

3

number of applications using Eno concept for the generation of questionnaires in Lunatic output format (face-to-face collection, prices collection and post-collection data processing of thematic business surveys)

## Pogues, the designer

In addition to the survey description metadata, questionnaire models are specified by survey designers via a graphical interface and supplied to RMÉS repository. This application also makes it possible to use certain metadata from the repository to ensure better consistency between statistical operations (codes list, questions bank, questionnaire from previous operation).

## The RMÉS repository, driving propagation

The metadata repository hosts survey metadata (survey descriptions and questionnaire models) in an interoperable format accessible by all users and offers API-type services for easy access.

## Eno, the engine

The questionnaire generator and deployment tools allow collection instrument to be generated in a range of formats on the basis of questionnaire metadata, and integrated into data collection or post-collection processing platforms. The

generator makes it possible to implement certain standardization principles (formalization, normalization, visual identity) to provide quality questionnaires.

## Consumer services

Online data collection, interviewer data collection, surveys management and control/quality tools are designed to accommodate the questionnaire models output by Eno and to make them operational from the point of view of collection (access to questionnaires, personalization with previous data, extraction of collected data, interactions with reporting and control tools). Furthermore, post-collection data processing tools (data editing, quality control) also benefit from the same principle for an appropriate and consistent display. These tools are as well supplied with metadata describing the surveys (title, objective, documentation, etc.) in RMÉS repository, thereby ensuring the overall consistency of data in the information system.

## « Eno/Lunatic »

During 2019, a new output format has been added to the Eno questionnaire generator, complementing the services that it offers by providing a format designed to be interfaced with a Javascript library developed by the institute. This concept, which is driven by metadata, makes it possible to easily integrate questionnaires created on the basis of metadata into a Javascript application. This format is used in particular during the development of the interviewers' collection workstations used for households surveys.