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## **The European One-Stop-Shop for Artificial Intelligence and Machine Learning for Official Statistics (AIML4OS): WP9 Use Case focused on imputation**

David Salgado & Sandra Barragán (Statistics Spain, Spain)

[david.salgado.fernandez@ine.es](mailto:david.salgado.fernandez@ine.es)

### ***Abstract***

The European Statistical System has recently launched the innovation project One-Stop-Shop for Artificial Intelligence and Machine Learning for Official Statistics (AIML4OS), with the participation of 14 countries to develop innovative solutions with respect to statistical products and processes using different AI-ML techniques. The project comprises 6 cross-cutting and 7 use-case-oriented work packages, among which editing and imputation constitute two specific focuses of development. In this contribution we summarise the structure of Work Package 9 concentrating on imputation, with a close coordination with Work Package 8, focused on editing (understood as error and outlier detection). We share the structure of the work package seeking for business functions beyond error treatment and a clear orientation towards more timely and granular production of official statistics and the delivery of better responses to user needs. The main challenge is to scale up knowledge and experience from concrete national needs to general solutions to accrete European guidelines. This project shares the vocation to establish strong international collaborations and to push forward the community-building effort in Official Statistics, now especially needed in the new data and AI-ML ecosystem