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## **The Uranium Sourcing Database Project: Practical Insights Into the Establishment and Application of a National Nuclear Forensics Library**

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The Uranium Sourcing Database is a working nuclear forensics database containing data on thousands of samples of uranium ore concentrate (UOC) and related products. The database is part of a broader effort to characterize and document distinguishing properties of UOC for use in assessing the probable source of sample of material absent any packaging or identifying marks. While this project has focused on UOC, the lessons learned are equally relevant to a wide range of nuclear and radiological materials. We will present a number of practical insights, including nuclear forensics database development and population, user interface requirements, analytical laboratory to database interface, and database utilization.

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