

## **European DNA Data Exchange – New Standards**

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Forensic DNA-typing is intensively used for law enforcement purposes all over Europe. Because of different “historical” structures national policies and database-management are highly heterogeneous among states. Basing on the European Standard Set of Loci (ESS) and carefully designed communication tools, a network of international DNA data exchange has been established. The “Prüm-Treaty” is the ancestor of an EU-wide data exchange, showing the feasibility of connecting a conglomeration of national databases and matching tools. In light of the huge amount of data to be exchanged among 27 European countries additional requirements concerning the ESS arise. In a concerted action the European Network of Forensic Science Institutes (ENFSI) assessed additional markers that increase both power of exclusion and quality of stain typing results. STR-Multiplex manufacturers are challenged by adopting these markers and customizing existing kits for the European market.