



enhAnced Mobile BiomEtRics

A Marie Skłodowska-Curie Innovative Training Network



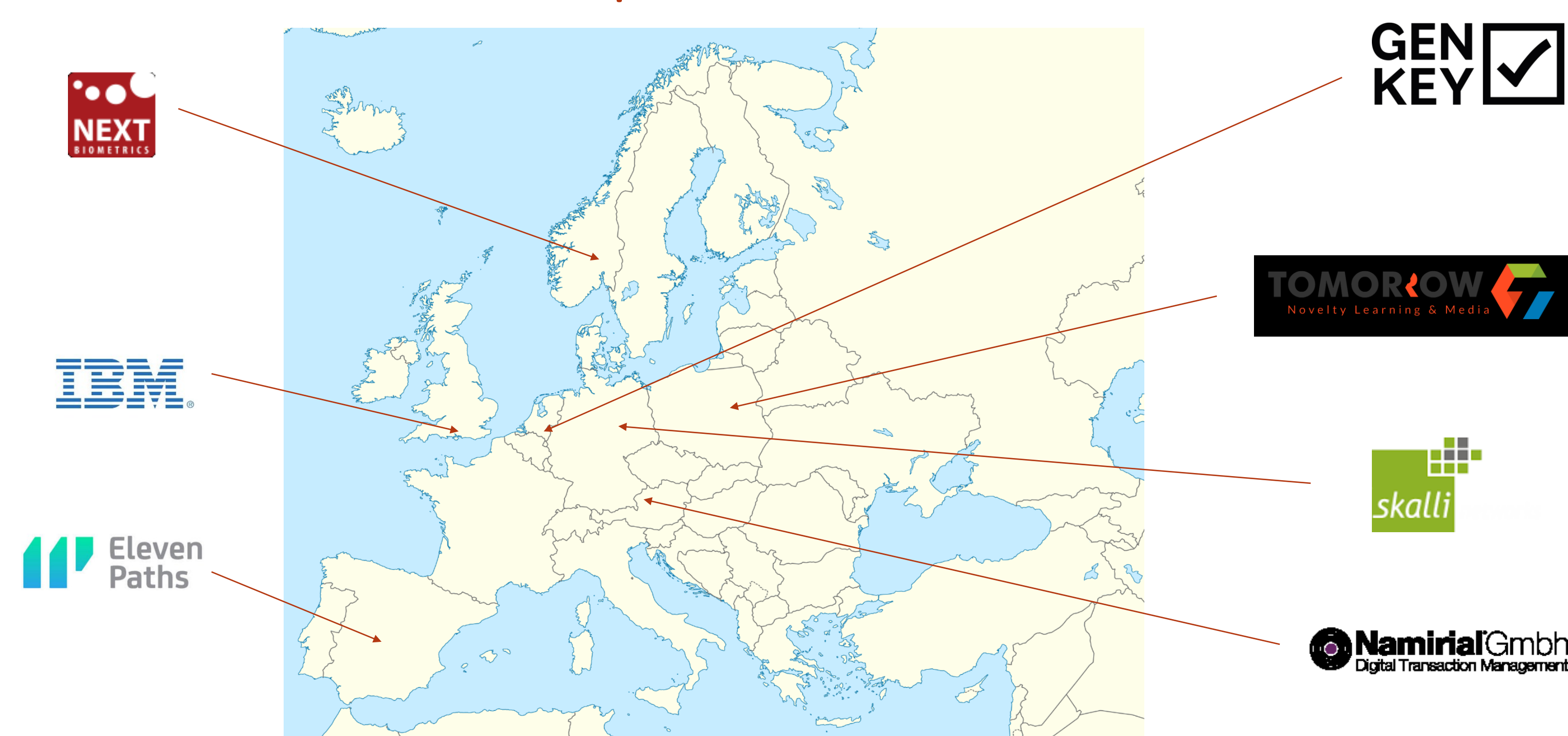
AMBER is a four year (2017-2020) EU-funded ITN focused on research and development in mobile biometric solutions. AMBER comprises ten complementary projects across three themes: mobile platform usability, novel solutions and privacy, and security and confidence. AMBER aims to:

- address a range of current issues facing biometric solutions on mobile devices.
- collate Europe-wide complementary academic and industrial expertise.
- train and equip the next generation of researchers to define, investigate and implement solutions.
- develop solutions and theory to ensure secure, ubiquitous and efficient authentication whilst protecting privacy.

Academic Participants



Industrial Participants



The AMBER Projects:

Novel solutions for mobile: to advance the state-of-the-art and understanding concerning how to reliably implement biometric systems on mobile platforms.

- Mobile touch-screen behavioural biometrics (UNIKENT)
- Continuous and instantaneous authentication using swipe interaction (UNIKENT)
- Multibiometric architectures and privacy in a mobile environment (UNIROMA3)
- Countermeasure algorithms against subterfuge in mobile biometric systems (WUT)

Privacy, security and confidence in mobile biometric interaction: protection of data and the management privacy of personal information within mobile biometric systems, hence enhancing confidence in use.

- Template protection in biometric-based mobile scenarios (UNIROMA3)
- Privacy in nomadic cross-system mobile biometrics (OVGU)
- User-centric and self-determined privacy management in mobile biometrics (OVGU)
- Vulnerability assessment in the use of biometrics in unsupervised environments (UC3M)

Accessibility: assessing the development of mobile biometric solutions given the specifics of device design, and the range of usage environments.

- Making mobile biometrics more reliable (WUT)
- Traceable and comparable evaluation methodology for the usability of biometric systems (UC3M)

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