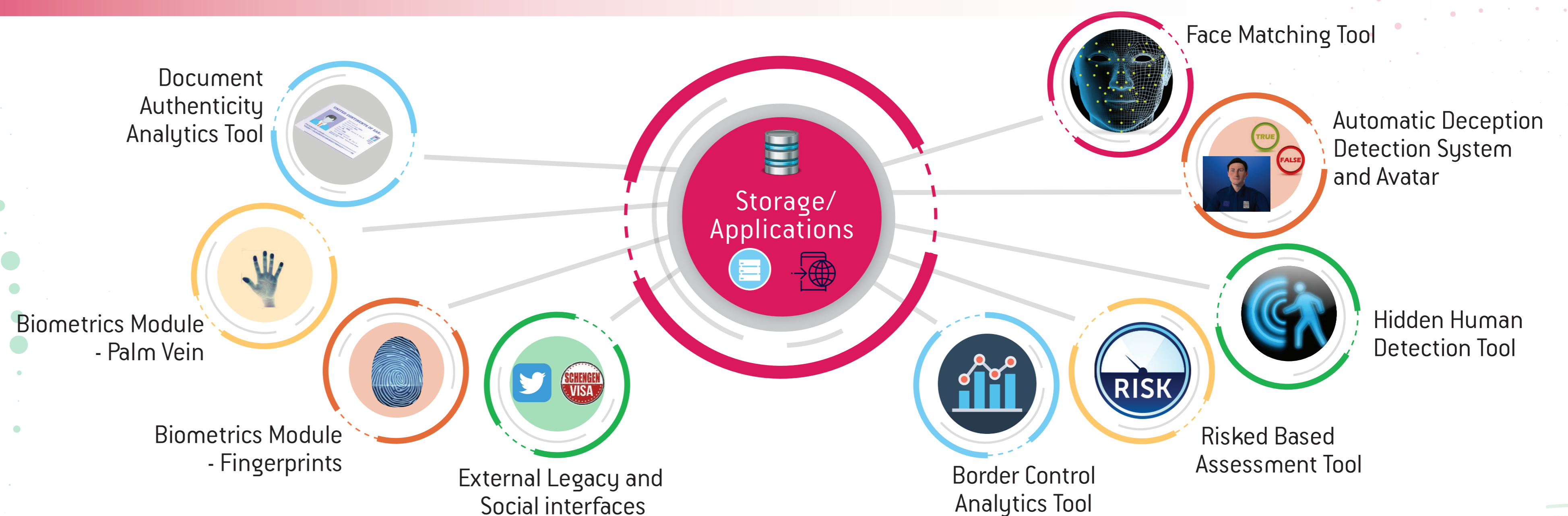# Intelligent Portable Control System

i BorderCtrl mission

To provide a **unified solution** in a **two-stage-procedure** with aim to **speed up the land border crossings** and at the same time **enhance security** by bringing together many **state of the art technologies.**
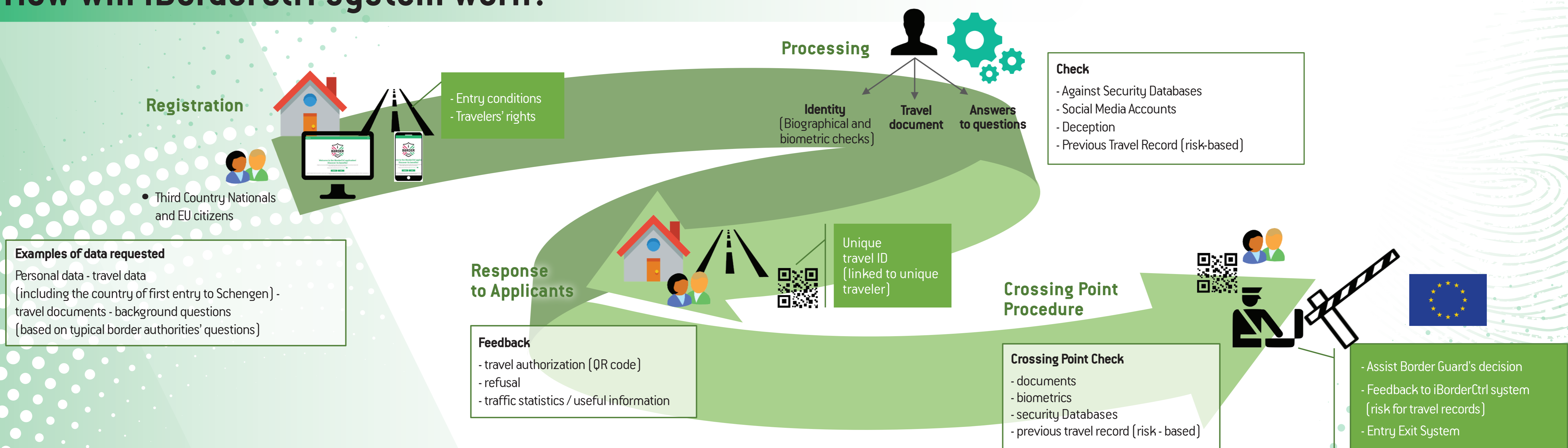
i BorderCtrl system

❞ follows the principles of the Entry/ Exit (EES) and the European Travel Information and Authorisation (ETIAS) Systems

❞ paves the way towards the Interoperability of EU systems for security, border and migration management
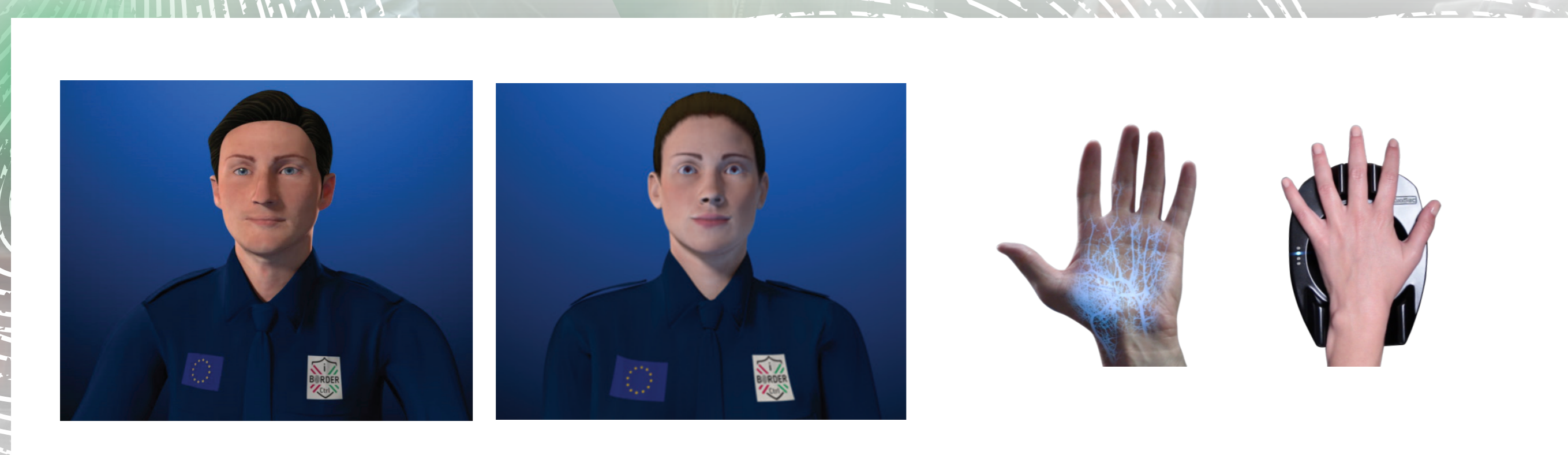
i BorderCtrl modules

- Document Authenticity Analytics Tool
- Face Matching Tool
- Automatic Deception Detection System and Avatar
- Storage/ Applications
- Biometrics Module - Palm Vein
- Biometrics Module - Fingerprints
- External Legacy and Social interfaces
- Border Control Analytics Tool
- Risked Based Assessment Tool
- Hidden Human Detection Tool

How will iBorderCtrl system work?

Registration

- Third Country Nationals and EU citizens

Entry conditions
Travelers' rights

Examples of data requested
Personal data - travel data (including the country of first entry to Schengen) - travel documents - background questions (based on typical border authorities' questions)

Processing

Identity (Biographical and biometric checks)
Travel document
Answers to questions

Check
- Against Security Databases
- Social Media Accounts
- Deception
- Previous Travel Record (risk-based)

Response to Applicants

Unique travel ID (linked to unique traveler)

Feedback
- travel authorization (QR code)
- refusal
- traffic statistics / useful information

Crossing Point Procedure

Crossing Point Check
- documents
- biometrics
- security Databases
- previous travel record (risk - based)

- Assist Border Guard's decision
- Feedback to iBorderCtrl system (risk for travel records)
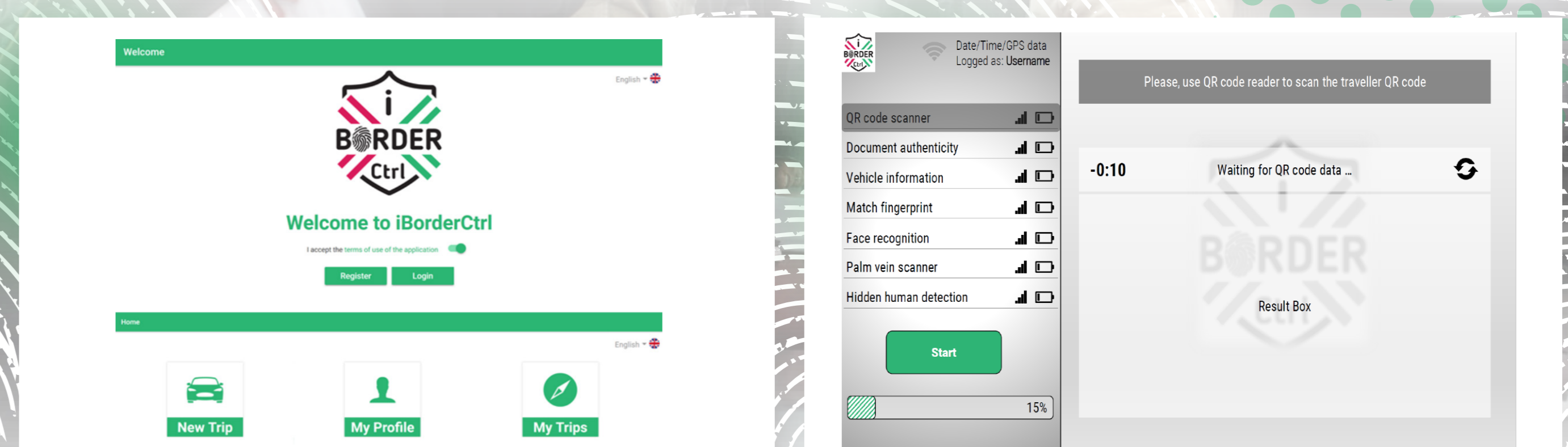- Entry Exit System

i BorderCtrl innovations

- **Introducing a Pre-Registration Phase:** Travellers -before arriving at the borders- register through their mobile phone, tablet or computer, submit their travel documents and participate in an interview by a virtual border agent.
- **Empowering border guards at Border Crossing:** Key technologies are provided to the border guards, both integrated to existing static installations as well as in a portable hardware unit.
- **Conducting a Risk Based Assessment:** Takes advantage of the checks outcomes and classifies travelers in terms of risk, supporting the decision-making of the border guard.
- **Introducing Analytics in the Border Control context:** Analysis of data to identify new patterns and knowledge in order to increase the accuracy at the individual crossing level.

- **Speeding up the border crossing** for valid and bona-fide travelers while highlighting those that must be further checked by agents.
- **Going beyond Biometrics:** Collects data onto biomarkers stemming from the virtual border agent interview, indicating the probability of deceit.
- **Cross-checking traveler's information from legacy systems and social media,** such as VIS, SIS II and Twitter providing the necessary interoperability interfaces.
- **Enhancing the User Experience through three Applications/Interfaces:** Traveler User Application, Border Guard User Application for the border checks and Border Manager User Application for the superiors responsible for resources management.

iBorderCtrl technologies

Traveller and Border Guard Applications