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
- Biometrics Module - Palm Vein
- Biometrics Module - Fingertips
- External Legacy and Social Interfaces
- Border Control Analytics Tool
- Storage/Applications
- Face Matching Tool
- Automatic Deception Detection System and Avator
- Hidden Human Detection Tool
- Risked Based Assessment Tool

How will iBorderCtrl system work?
- Registration: Travellers complete the form online or on cell phones, submit the travel documents and participate in an interview by a virtual border agent.
- Empowering border guards at Border Crossing: Key technologies are provided to the 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 classes travelers in terms of risk, supporting the decision-making of the border guards.
- Introducing Analytics in the Border Control context: Analyze data to identify new patterns and knowledge in order to increase the accuracy at the individual crossing level.

i BorderCtrl innovations
- Introducing a Pre-Registration Phase: Travellers arrive at border control, submit their travel documents and participate in an interview by a virtual border agent.
- 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 from biometers 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 checkers) and Border Manager User Application for the superiors responsible for resources management.

Consortium

Traveller and Border Guard Applications