Intelligent Portable Control System

iBorderCtrl 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.

iBorderCtrl 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

iBorderCtrl modules
Biometrics Module - Palm Vein
Biometrics Module - Fingerprints

Document Authenticity Analytics Tool

Storage/Applications

Risk-Based Assessment Tool

Automatic Exception Detection System and Assert

Hidden Human Detection Tool

Face Matching Tool

iBorderCtrl 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 guard, 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

Traveler and Border Guard Applications

Consortium