# MIDAS

## MIGRATION INFORMATION AND DATA ANALYSIS SYSTEM

## A COMPREHENSIVE AND COST-EFFICIENT
## BORDER MANAGEMENT INFORMATION SYSTEM

IOM
UN MIGRATION

## THE INTERNATIONAL ORGANIZATION FOR MIGRATION (IOM)

Established in 1951, the United Nations International Organization for Migration (IOM) is the leading intergovernmental organization in the field of migration management and works closely with governmental, intergovernmental and non-governmental partners.

Developed by the International Organization for Migration (IOM) in 1997, the Migration Information and Data Analysis System (MIDAS) is a high-quality, user-friendly and fully customizable Border Management Information System (BMIS) for States in need of a cost-effective and comprehensive solution. Currently operational in countries across Africa, Asia and the Americas, MIDAS has been designed to be compliant with international standards (ICAO and ISO).

With the capability to collect, process, store, and analyse traveller information in real time and across an entire border network, MIDAS enables States to more effectively monitor those entering and exiting their territory while providing a sound statistical basis for migration policy-related planning. IOM ensures that governments have full and exclusive ownership of any data recorded by MIDAS.

Given IOM's status as a non-profit making international organization, MIDAS is a cost-effective alternative to more expensive commercial options. IOM provides expert guidance throughout the installation process, including the delivery of systems administration training workshops and the provision of post-project support to ensure MIDAS' sustainability.

## MIDAS IN PRACTICE

MIDAS automatically captures and verifies traveller's biographic and biometric data through the use of document readers, webcams and fingerprint readers. This automation of data collection allows for faster and more accurate capture of information - alleviating the workload at borders.

Data captured by MIDAS includes:

- **Biographic data.**
- **Biometric data (photographs, including for facial comparison, and fingerprints).**
- **Travel document images examined under Infrared, Ultraviolet and White Light.**
- **Entry and exit data.**
- **Visa data.**
- **Vehicle/flight/vessel data.**
- **Health information.**

## MIDAS Mobile Solutions.

The **MIDAS Mobile Kit**, consisting of a ruggedized tablet, portable document reader and fingerprint scanner, ensures that immigration officials can continue collecting traveller information in remote, logistically challenging locations, such as on-board vessels, aircraft and coaches. Also, a **MIDAS Truck** can be deployed to remote locations where there is no border management infrastructure available.

## MIDAS INTEROPERABILITY AND ADAPTABILITY

MIDAS is completely customizable and can be tailored to the specific requirements of governments. MIDAS can...

- Extract information from **Advance Passenger Information (API)**'s system messages ('Batch API'), check the data against an Alert List, and import the flight details and passenger list into the MIDAS database before the flight arrives.

- Be linked to the **MIDAS E-Visa platform** or an external E-Visa solution. The MIDAS E-Visa platform is fully integrated with the system.

- Use a **barcode scanner** to easily collect and process traveller data of cross border communities who do not possess a valid machine readable travel document. In addition, MIDAS can print out a personalised barcode to be placed in the travel document.

- Be **interconnected to other BMIS.** If requested by a Government, an automated process transfers traveller data between the two systems to one central database to ease data collection and improve border security.

- Verify national travel documents against **a national passport and ID-card database** to confirm issuance by the relevant Government.

- Collect additional **health information** of travellers at borders to support referrals as well as tracking and tracing travellers for health surveillance purposes using the **MIDAS health module**.

- Facilitate **registration and regularization of non-nationals** using the **MIDAS Foreign Registration Module**.

- Print temporary machine readable **ID cards**.
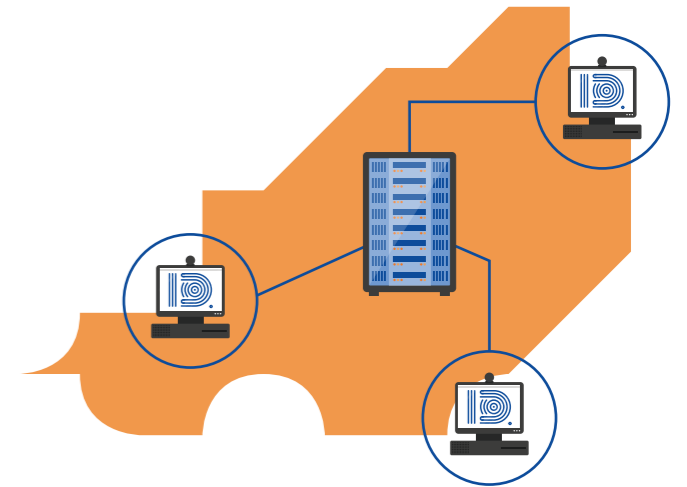
## MIDAS AND

### Border Security

MIDAS automatically checks all recorded entry and exit data against national and INTERPOL Alert Lists. This feature contributes towards ensuring that those attempting to cross the border do not pose a threat to national or international security and, additionally, are not using stolen or lost travel documents.

### Managing Migration

MIDAS can also be used to assist with managing in-country immigration and migration functions such as the recording and management of cases and the issuance of residence, employment and other types of permits.

### Exchanging Data

MIDAS-equipped border crossing points can be connected to a central server to ensure that the collected traveller data is shared between all border crossing points in real time. The system is powered and connected according to specific local conditions, making it possible for the system to be installed in areas with poor or intermittent connectivity.

### Analysing Data

MIDAS allows the user to create different reports according to the types of traveller data needed, such as country of origin, age, gender, travel purpose or whether the person has been detected in an Alert List. Processing and analysing the collected data will contribute towards a more complete understanding of a country's migration dynamics and mobility patterns. Data extracted from MIDAS can thus serve as the basis for the development of well-founded evidence-based migration policies.

**Data Protection.** Robust data protection is paramount for the safe exchange, secure storage and confidential management of personal data. Although IOM has no access to any of the data collected by MIDAS, we advise governments on how to implement the necessary institutional, technical and physical safeguards to strengthen current data protection practices in line with international standards.

## MIDAS OPERATIONS AT THE BORDER CROSSING POINT

● MIDAS FRONT-END PROCESS  ● MIDAS BACK-END PROCESS

**BEFORE ARRIVAL AT BORDER CROSSING POINT (BCP)**

TRAVELER ENTRY / EXIT

Before the traveler arrives at a border crossing point, MIDAS is able to check incoming Advanced Passenger Information (API) data against national and/or international Alert lists.

In case of a match: SECONDARY INSPECTION

- CHECK AGAINST NATIONAL ALERT LIST
- CHECK AGAINST INTERPOL ALERT LIST

**MIDAS BCP AIR / LAND / PORT**
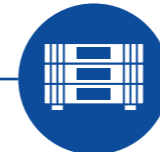
- SCAN TRAVEL DOCUMENT
- RECORD AND/OR CHECK VISA DATA + PRINT VISA STICKER
- CHECK DATA AND AUTHENTICATE TRAVEL DOCUMENT
- RECORD VEHICLE / FLIGHT / VESSEL DATA
- TAKE PHOTO (BIOMETRIC DATA)
- CAPTURE FINGERPRINT (BIOMETRIC DATA)

**LOCAL SERVER AT BCP**

AUTOMATED DATA EXCHANGE

- LOCAL DEPOSITORY OF ALL TRAVELER DATA
- CREATE REPORTS BASED ON STATISTICAL DATA
- QUERY AGAINST MIDAS DATABASE

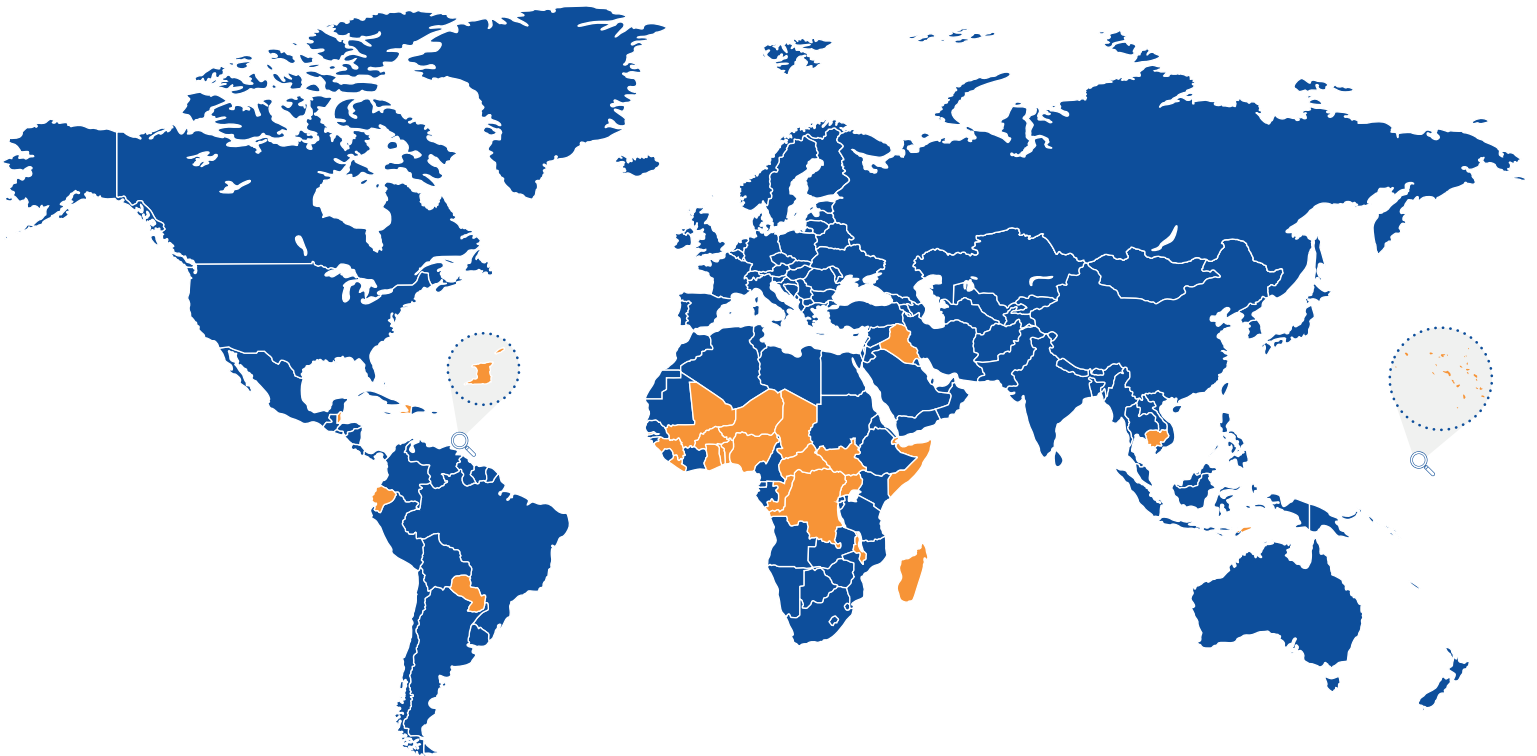**CENTRAL SERVER AT HQ**

- CENTRAL DEPOSITORY OF ALL TRAVELER DATA
- CREATE REPORTS BASED ON STATISTICAL DATA
- STANDARD AND CUSTOM REPORTING TEMPLATES
- QUERY AGAINST MIDAS DATABASE

# COUNTRIES CURRENTLY USING MIDAS.



1. Belize
2. Benin
3. Burkina Faso
4. Cambodia
5. Central African Republic
6. Chad
7. the Congo
8. Djibouti
9. The Democratic Republic of Congo
10. Ecuador*
11. The Gambia
12. Guinea
13. Ghana
14. Haiti
15. Iraq
16. Liberia
17. Madagascar
18. Malawi
19. Mali
20. The Marshall Island
21. Niger
22. Nigeria
23. Paraguay
24. Somalia
25. South Sudan
26. Timor Leste
27. Togo
28. Trinidad and Tobago*
29. Uganda

*MIDAS Foreigner Registration module

## MIDAS

Find out more about the benefits of MIDAS by contacting IOM:

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