

ICAO TRIP

REGIONAL SYMPOSIUM

BUILDING **FUTURE RESILIENCE:**
THE ROLE OF **SEAMLESS**
AND **CONTACTLESS** TRAVEL



EXPERIENCE IN IMPLEMENTING API/PNR IN THE REPUBLIC OF KAZAKHSTAN



**Civil Aviation Committee of the
Ministry of Transport of the
Republic of Kazakhstan**





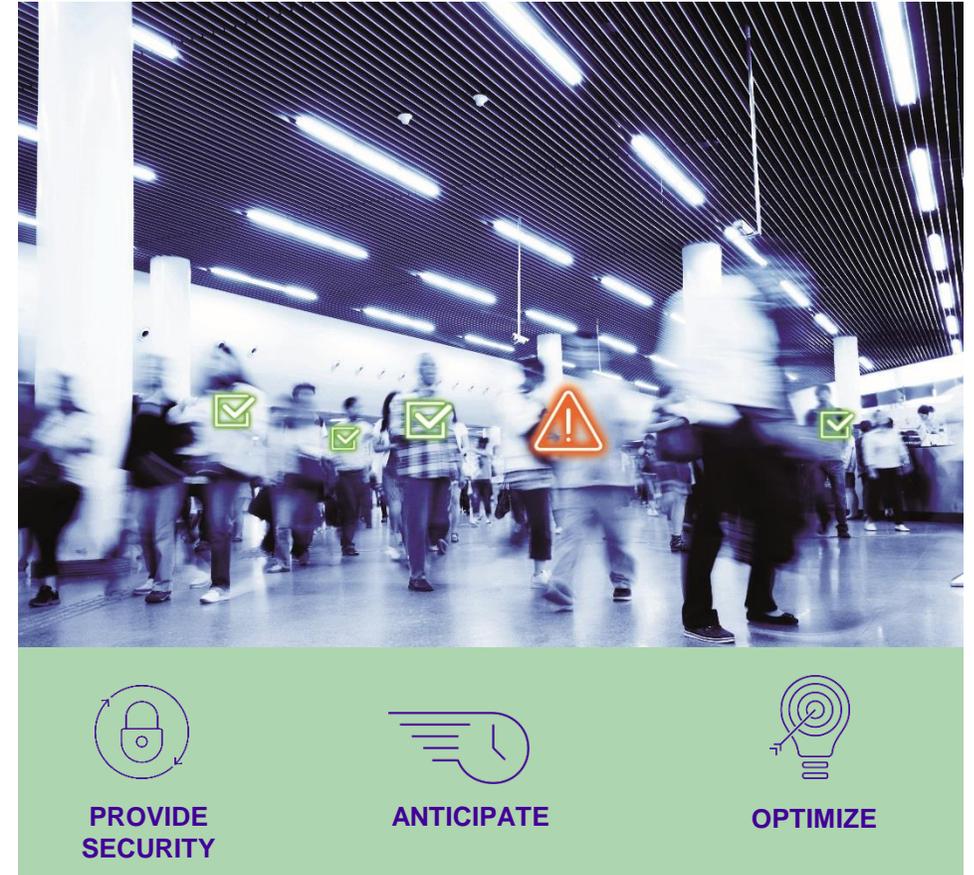
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TRIP REGIONAL SYMPOSIUM 2023

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Kazakhstan
Civil Aviation Committee

Prerequisites

1. UN Security Council resolutions and International Civil Aviation Organization (ICAO) standards and recommended practices on the need to implement API-PNR systems;
2. Law of the Republic of Kazakhstan "On Transport in the Republic of Kazakhstan" (Article 24-2);
3. State Program "Digital Kazakhstan" (p. 60).



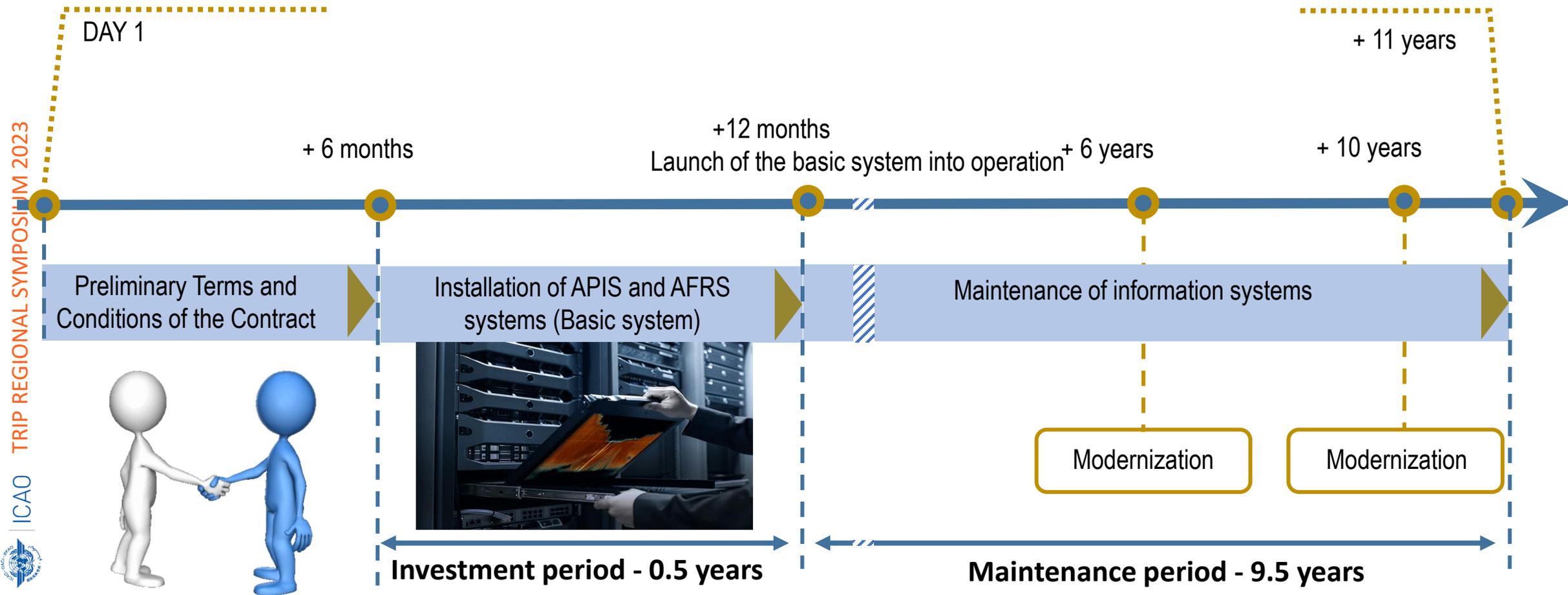
Introduction

- In 2016, a project to create and implement an information system to collect data on airline passengers in Kazakhstan, consisting of several stages, was launched:
 1. Selection of information system supplier.
 2. Examination and approval of the Business Plan of the project within the framework of public-private partnership.
 3. Adoption of relevant regulatory legal acts for the project realization within the framework of public-private partnership.
 4. Deployment of the information system on the test platform.
 5. Deployment of the information system on the combat platform and connection of airlines.

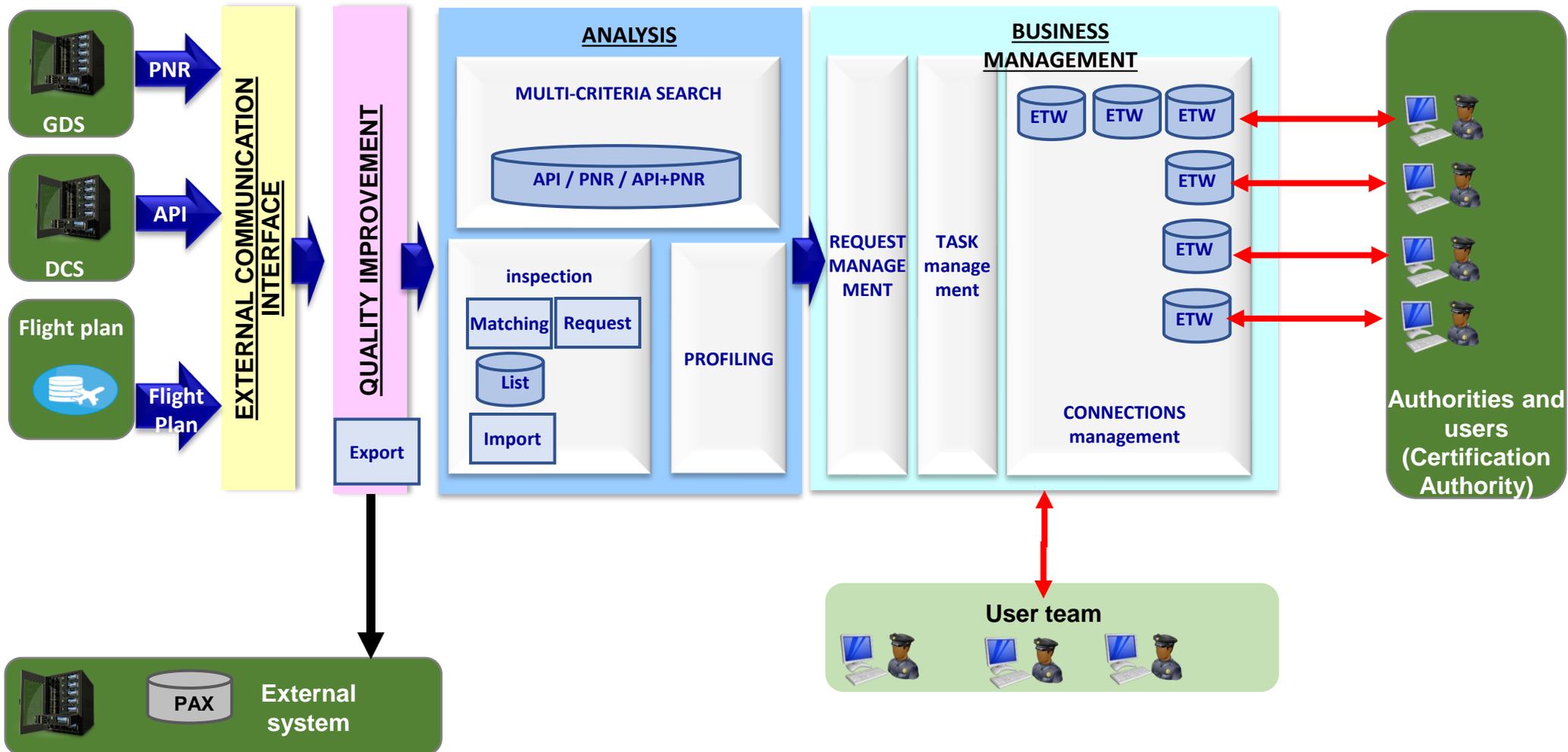
MAIN STAGES OF THE PROJECT

Commercial and financial closure

Investment return



API/PNR ISP ARCHITECTURE



Communication between public authorities, companies and international organizations

- In order to use the information system, the Civil Aviation Committee together with special and law enforcement agencies in cooperation with national air carriers and international institutions (IATA) adopted Rules regulating the process of transferring API/PNR data by air carriers to the information system of Kazakhstan.
- Integration of API/PNR IS with the systems of state authorities was carried out



Difficulties we encountered

- **Pandemic;**
- **EU legislation 2016/679 (General Data Protection Regulation);**
- **Obtaining data on charter flights (scheduled tourist flights);**
- **Geopolitical situation and the impact of sanctions on a number of countries**

Positive impact





Daniyar Kurmanalin

Kazakhstan

JSC «Air Astana»



Introduction

Key Stakeholders

Challenges in API Collaboration

Importance of API Projects

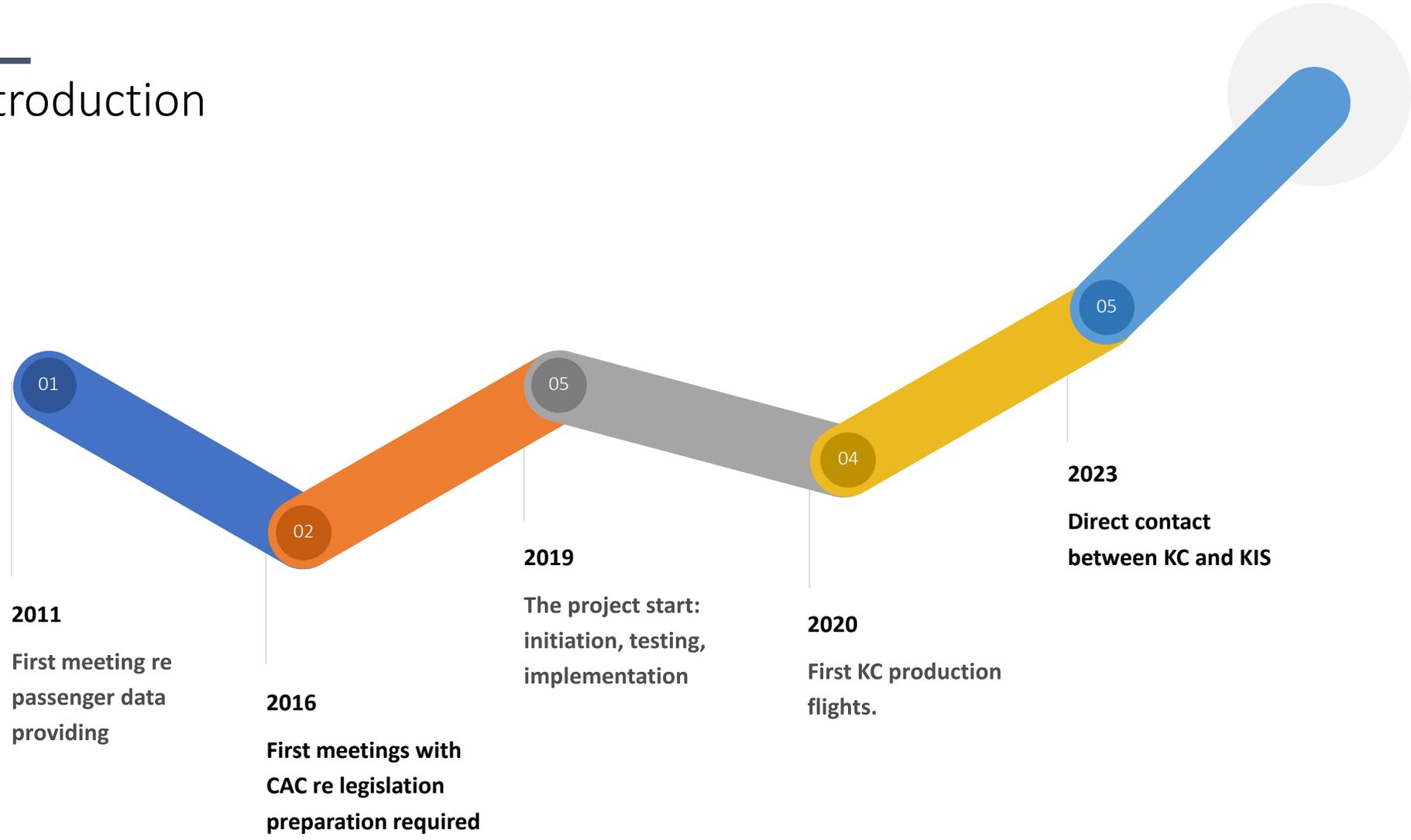
Benefits of Collaboration

Future Trends

Introduction



Introduction



02 Importance of API projects for airline



Importance of API projects for airline



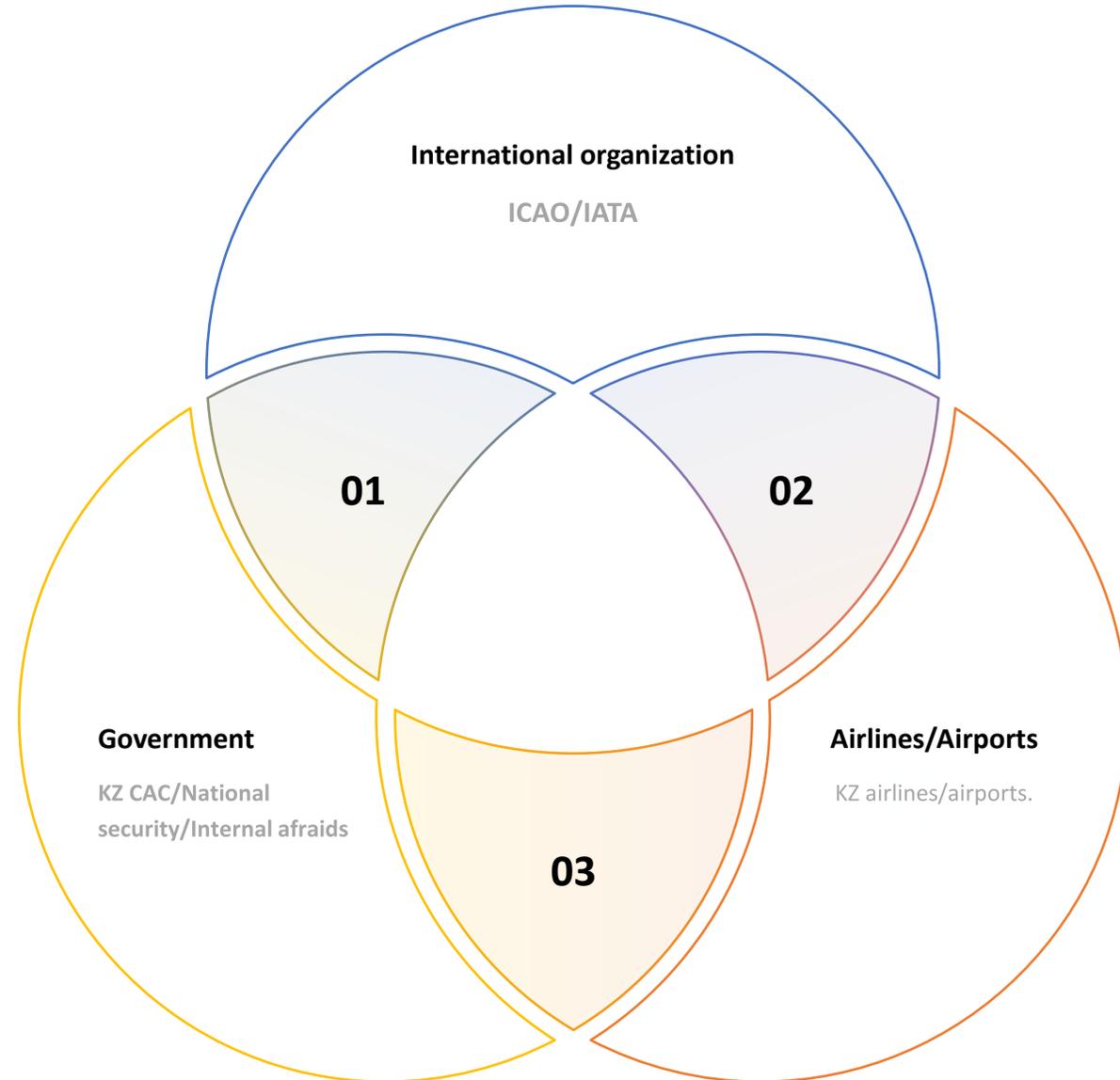
03

Key Stakeholders



Key Stakeholders

- Airlines and government agencies are the primary stakeholders in API projects.
- Airlines are responsible for collecting and transmitting passenger data to government authorities.
- Government agencies, such as customs and border protection, are tasked with analyzing this information.
- International organizations like the ICAO play a role in standardizing API procedures.



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Benefits of Collaboration



Benefits of Collaboration

Collaboration encourages the adoption of global standards for API data, making it easier for airlines and governments to work together across borders.



Enhanced Security: Governments can identify and intercept potential threats before they board a flight, reducing the risk of in-flight incidents.



Streamlined Customs Procedures: API data enables customs and border protection agencies to process passengers more efficiently, reducing waiting times for travelers.



Seamless Travel Experience: Passengers benefit from a smoother travel experience as the collaboration facilitates quicker clearance at border control.



Data Accuracy: Governments receive accurate passenger information directly from airlines, reducing the chances of errors or omissions.

05 Challenges in API Collaboration



Challenges in API Collaboration



Data Privacy & Quality: The collection and sharing of passenger data raise concerns about privacy and data security. Striking a balance between security and privacy is essential. Ensuring the accuracy and consistency of passenger data can be challenging, as it relies on airlines' data collection processes.



Compliance with Regulations: Airlines must comply with various national and international regulations, which can be complex and costly to implement.



Resource Allocation: Implementing API projects requires a significant investment of time and resources, which may not be feasible for some airlines.

06 Future Trends

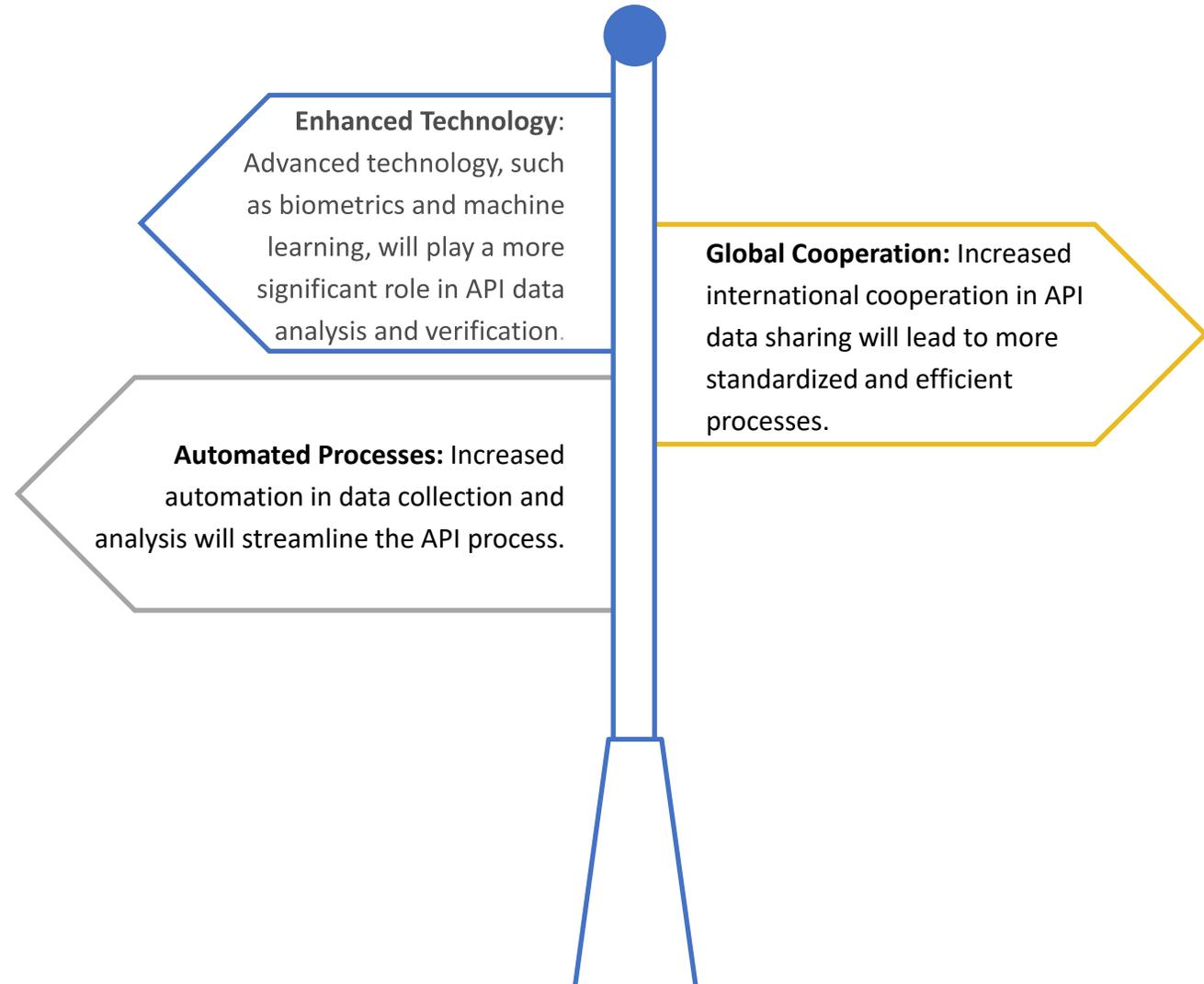


Future Trends

More simple...

More effective...

More quick...



Thank You

