

## APIs: a new way to communicate with the EUIPO

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#### **PROGRAMME**

## 50' Presentation

- APIs: what are they and how can they benefit you?
- API platform tour
- The present and a quick glimpse into the future
- Summary

10' Questions and answers







# APIs: What are they and How can they benefit you?





#### **History**



Back in 1996 the only way to register a trademark was to file a paper application!



Several years later the online services were introduced

- Access through the EUIPO portal
- Designed around the needs of the users



**APIs** are another step forward in terms of innovation and modernising our online services!





#### What is an API?



## **Application programming interface**

a piece of technology that allows two different systems to "talk"/"act" to each other

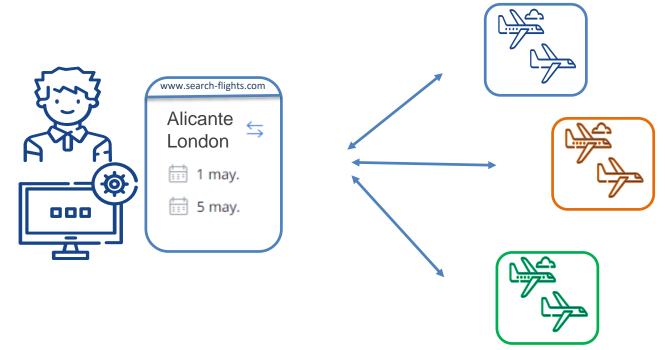








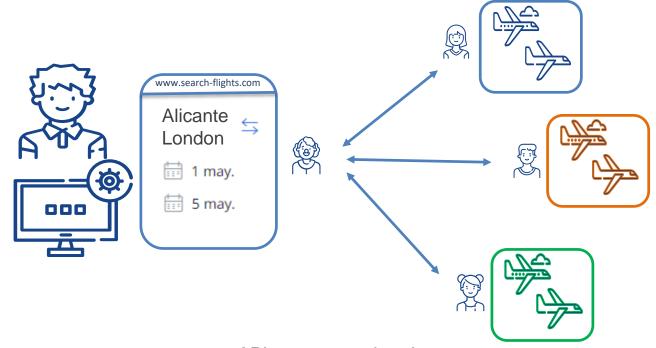








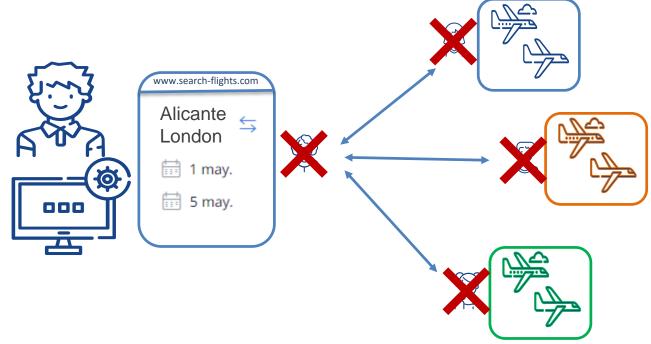




APIs are everywhere!



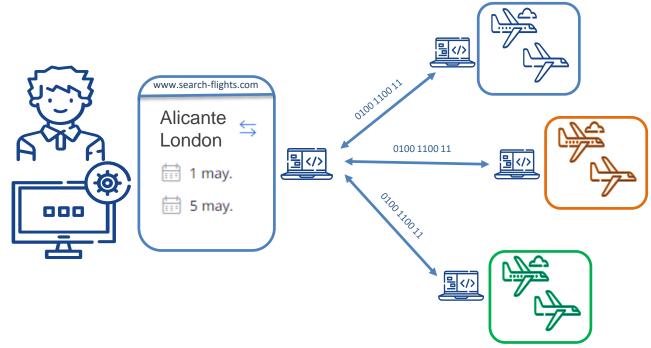




APIs are everywhere!







APIs are everywhere!





## **APIs: examples**

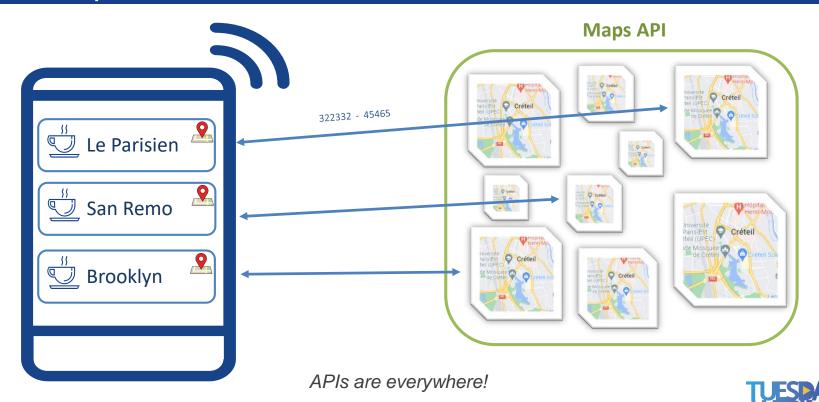


APIs are everywhere!



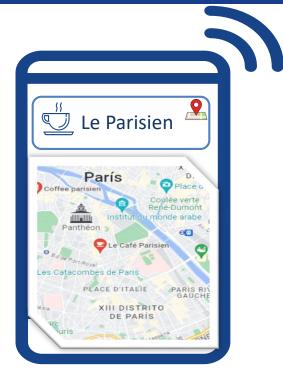


## **APIs: examples**





## **APIs: examples**



APIs are everywhere!





#### Why? - The background



The **online services** were not ready to work with third-party tools.



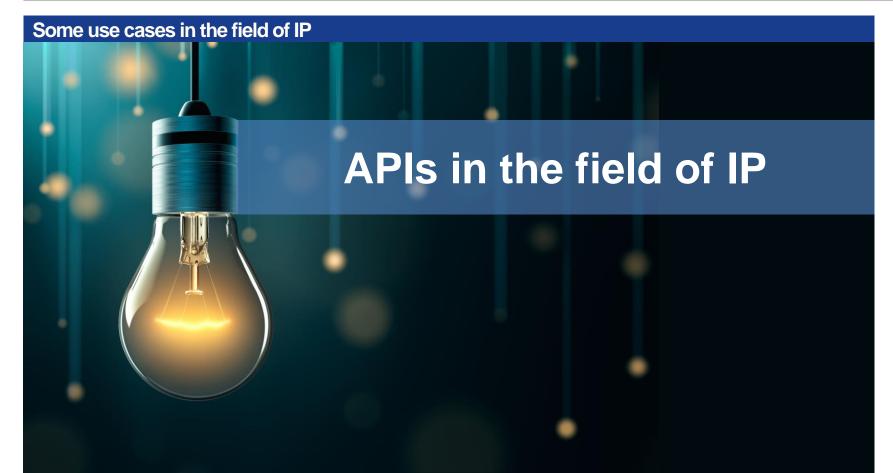
Users found other ways to access the data, causing an **adverse impact** on our infrastructure.



The need was growing day by day. The EUIPO decided to define an API initiative in the context of **Modernized EUIPO**Online Platform









#### EU trade mark applications

#### Without APIs: current situation

- Customers with a large portfolio usually have their own software.
- They tend to prepare the application in their system.
- They then repeat the process in the Office's online application form.

#### **Customer Form**



Create EUTM

## EUIPO – online EUTM application form



Q EUIPO

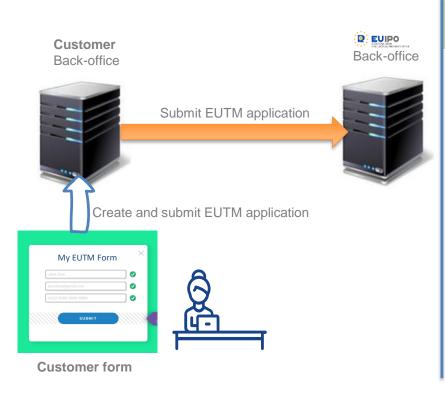
Submit EUTM application







### EU trade mark applications



## **APIs:** potential improvements

 The customer can prepare the application in their own software and then submit it directly to the Office.





#### **Goods and services classification**

## Without APIs: current situation

- Trade mark application may require the use of harmonised terms.
- This information could be provided by the TMclass website or third party tools.
- Context switch: customer's software and classification tool.

**TMclass/other tools** 





Many searches ...

**Customer form** 



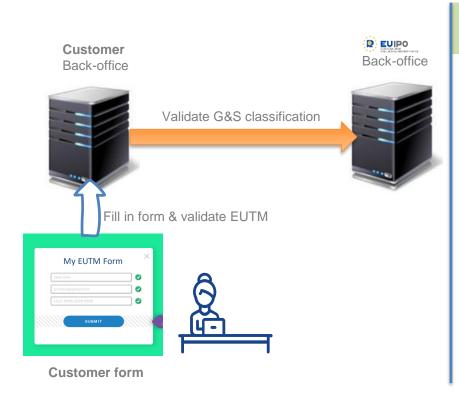
Fill in G&S classification







#### Goods and services classification



## **APIs:** potential improvements

- Customer can validate G&S classification in their own software.
- Search the harmonised database while preparing the application.





#### Registered trade mark analysis

## Without APIs: current situation

- Planning out IP protection requires analysis of previously registered IP rights.
- Representatives may use the Office's eSearch tool available on the website.
- This is a laborious manual task.

**EUIPO** eSearch





Many searches ...

**Customer form** 



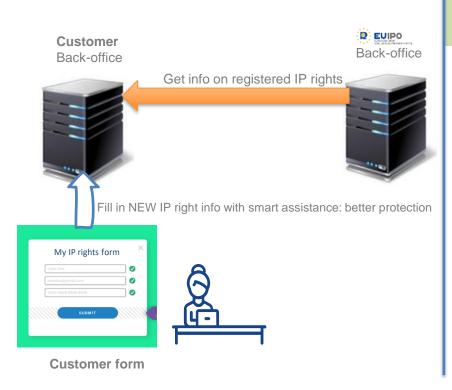
Fill in IP rights information







#### Registered trade mark analysis



## **APIs:** potential improvements

- Customer can retrieve information on registered IP rights automatically in their own software.
- They can receive updates on registered IP rights automatically (cancellations, appeals, etc.).
- They can use this information and enrich it with data from other sources to make decisions on the protection of future IP rights.



#### **Examination deficiencies**

## Without APIs: current situation

- Deficiencies notifications are usually received in User Area.
- A notification is a PDF document with the list of deficiencies.
- Customer answers an electronic form in the User Area.

User Area communications



**Customer form** 

Reply to official communication







Read deficiencies notifications





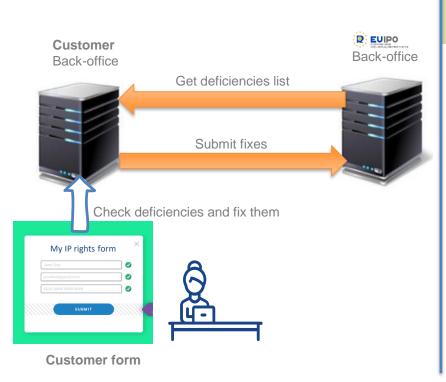








#### **Examination deficiencies**



## **APIs:** potential improvements

- Notifications could be made available in customer's software.
- Deficiencies could be shown as a list in a form in the customer's software.
- Customer can answer and submit the fixes to the Office directly from the form.

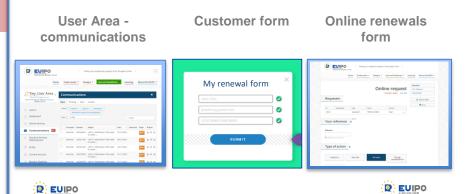




#### Renewals

## Without APIs: current situation

- Notifications on pending renewals are usually received in User Area.
- Notifications are sent 6 months in advance before renewal period starts.
- Customers with large portfolios usually have their own software.
- Renewal application form only available on the EUIPO website.





Update IP rights

Read renewal

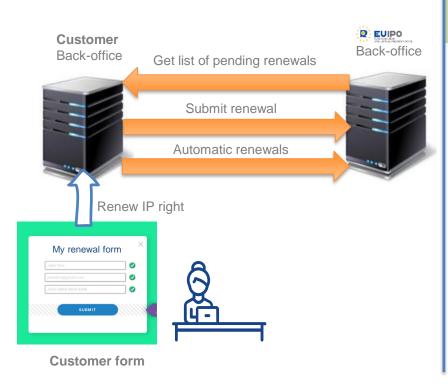
notifications



Submit renewal



#### Renewals



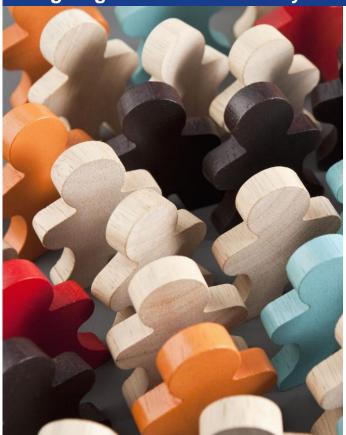
## **APIs:** potential improvements

- List of IP rights pending renewal available in the customer's own software.
- Customer could have a renewal form in their own software and submit the application from there.
- Customer could set specific IP rights to renew automatically.





#### Design together – API community





Building an API community.



Open dialog between API providers and customers.



Test environment to try out EUIPO APIs.



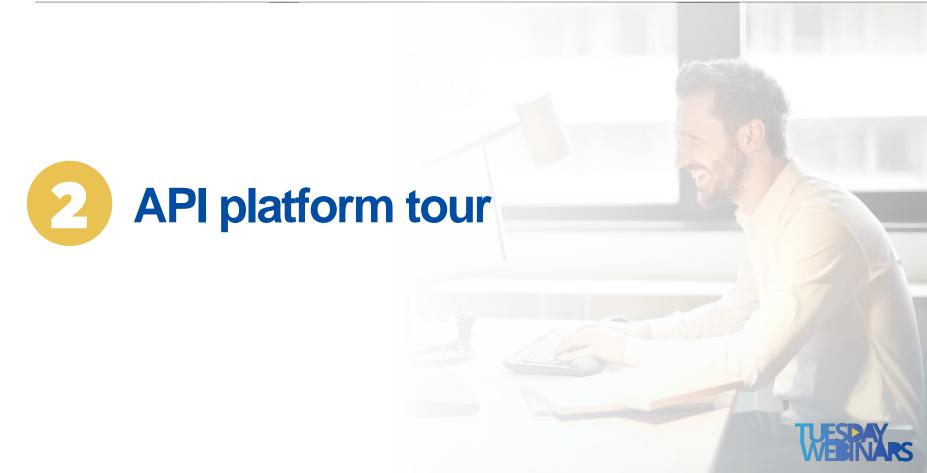
Customer feedback translates into improvements, priorities.



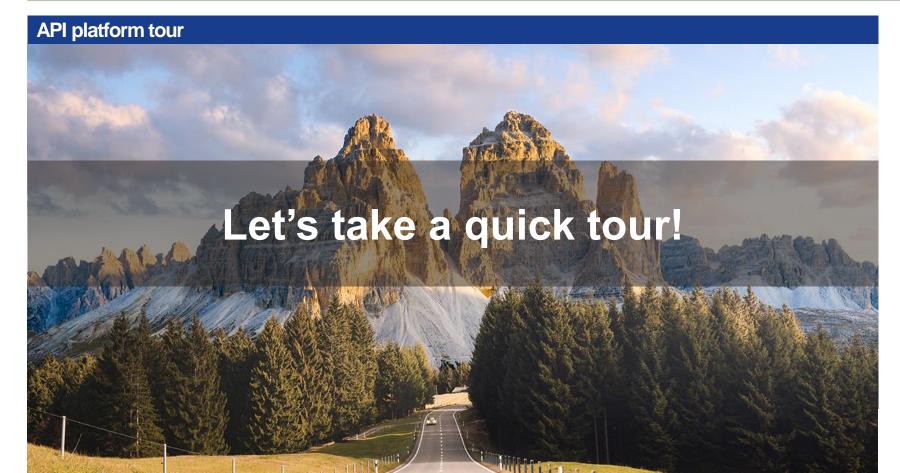
Goal: create services that provide actual value to customers.



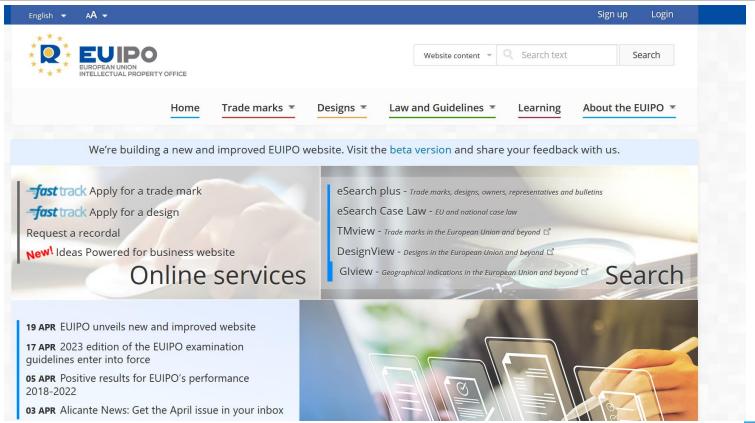








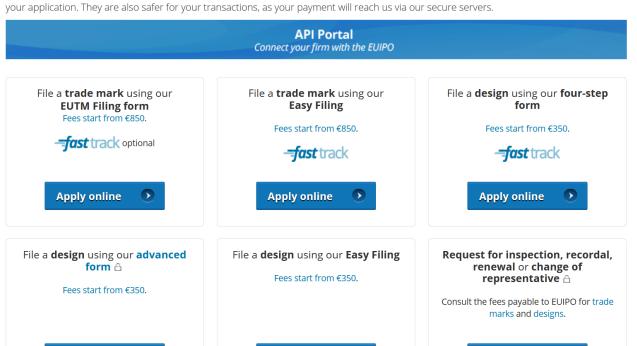








Our online forms will save you time and, in some cases, money. Their built-in help and search options will make it easier for you to complete



Apply online

Apply online

Apply online







**API Portal** 

Develop #IPtech applications with our API Catalog

Home

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**API Products** 

Support

FAQ

Q Sign in

## Connect your firm with the EUIPO

The EUIPO Application Programming Interfaces (APIs) have been developed to let our customers integrate their systems to manage their intellectual property rights.

**EXPLORE OUR APIS** 

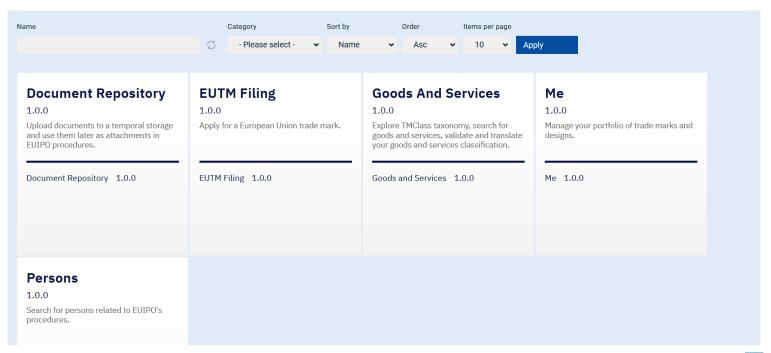






Home Getting started API Products Support FAQ

#### **API Products**



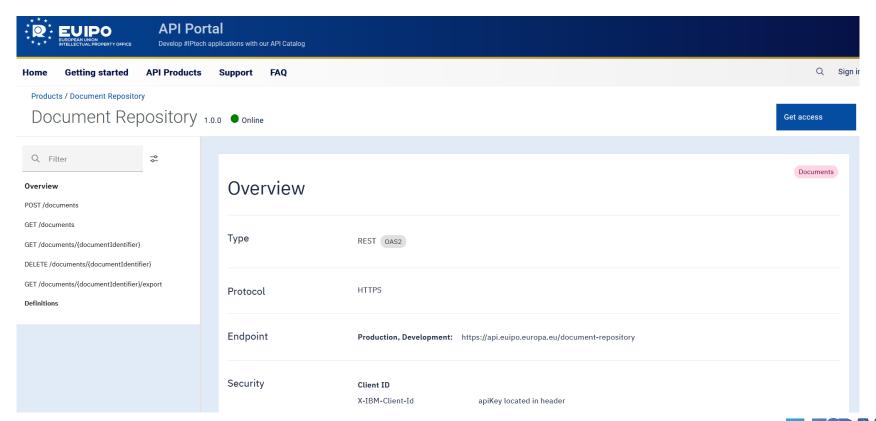




APIs			
Document Repo	sitory		
REST • Online			
Plans In order to subscribe, you must	create an accoui	nt or sign in.	
Default Plan	A		
1000 calls per hour			

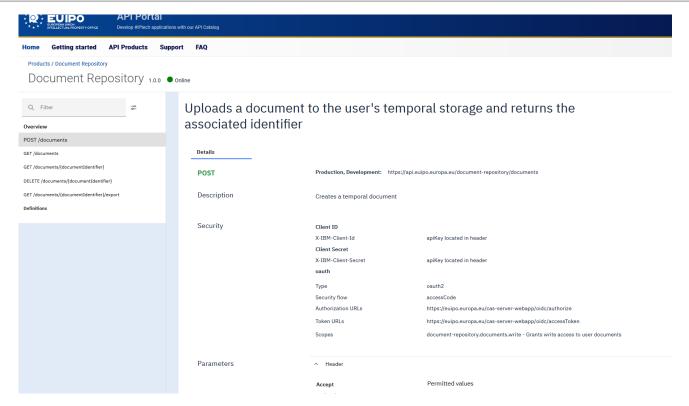






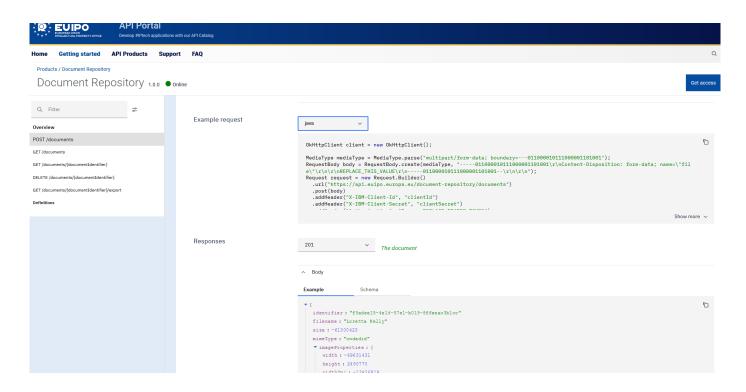


















#### **API Portal**

Develop #IPtech applications with our API Catalog

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Products /

EUTM Filing 1.0.0

#### Description

Apply for a European Union trade mark.

#### Documentation

- Errors
- Add or import a registered trade mark as new claim
- Provide classification in first and second language
- Add or import new Applicants and Representatives
- Add attachments to your application

#### APIs

#### **EUTM Filing**

1.0.0

REST • Online







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API Products

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#### Add or import a registered trade mark as new claim

When we are performing an application of an EUTM we have two different options for providing goods and services classification. In this guide we are going to explore both

#### Providing classification in first language

The most common scenario will be providing goods and services in the first language. In the example down below we can see the request body for this action. Please be aware that for clarity reasons, only the relevant properties are included.

```
"firstLanguage": "en",
"secondLanguage": "es",
"goodsAndServices": [
       "classNumber": 8,
       "terms": [
           "Tableware [knives, forks and spoons]"
       "classNumber": 21,
        "terms": [
            "Aluminium cookware"
```

By default, unless otherwise indicated, the terms are considered to correspond to the language specified in the "firstLanguage" property. So in this case, it is not necessary





Q	EUIPO
****	EUROPEAN UNION INTELLECTUAL PROPERTY OFFICE

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#### FAO

#### What languages can I use to invoke an API?

The APIs exposed by EUIPO API follow open standards and be language and platform agnostic. Any system capable of forming a JSON string and issuing an HTTP request can be used to invoke a RESTful API. It is important to note that EUIPO does not restrict the technology you use to invoke the API.

#### Can I get a client for an API in my language of choice?

Clients usually take the form of generated source code, in the consumers language of choice, and provide a simpler mechanism for invoking the API without the need to build validation and/or data transformation mechanisms. EUIPO API does not provide clients for testing their APIs.

If you would like to use an API client rather than crafting the JSON payload and issuing HTTP requests, the machine-readable nature of EUIPOs OpenAPI descriptors means that a client generator can be used for many programming languages - see the OpenAPI Initiative (openapis.org) project page for examples.

#### How does API Security work?

REST APIs use HTTP and support Transport Layer Security (TLS) encryption. TLS is a standard that keeps an internet connection private and checks that the data sent between two systems (a server and a server, or a server and a client) is encrypted and unmodified.

EUIPO offers its APIs using HTTPS protocol, which is a secure extension of HTTP using a TLS certificate.

In the request processing pipeline, authentication comes first and authorisation comes next. Authorisation only occurs after successful authentication of the request.

- Authentication: Authentication is the process of identifying whether the credentials passed along with the request are valid.
- · Authorisation: Authorisation is the process of identifying whether the received request is allowed to access the requested endpoint or method.







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Getting started

**API Products** 

Support

## **Getting started**

Do you have an EUIPO account?

To access our APIs you need an EUIPO account. Once you have logged in, using your account credentials there are two types of portals, Sandbox and Production, that you can access.

Sandbox or Production?

The Sandbox and Production portals have the same APIs. If you are new to EUIPO APIs or using a new version of an API, you should start with the Sandbox portal which gives you read/write access to test versions of our APIs using realistic sample data.

Register an app

After login, register your application in the 'My Apps' section. When you register an application, it is assigned a unique Client ID and Client Secret, which is used later when integrating with one of our APIs.

Subscribe to APIs

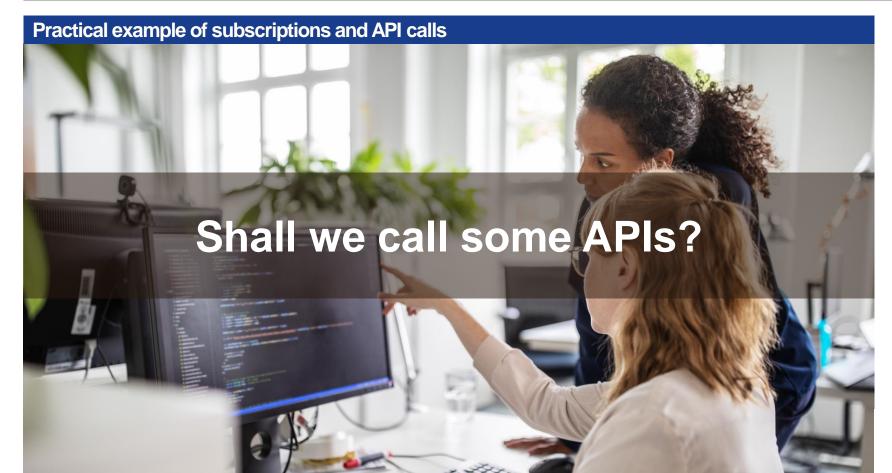
After registering your application, look through our API catalogue and find the one to suit your business needs, then request a subscription to an available plan.

Each plan determines the number of calls that your application can make within in a specific period. You can now integrate the API(s) with your app(s), website or business system.

Most subscription requests are subject to approval. Subscription requests for the Sandbox environment, can take up to a week; where requests for the production environment may take longer.









## Sandbox Portal login – Step 1



Sandbox environment

Test your application using our data

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Sign in

## Connect your firm with the EUIPO

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**EXPLORE OUR APIS** 



## 1 Explore

Start by having a look at our APIs. You will find what the we offer you, with all the information about the features and

## 2 Register, build & test

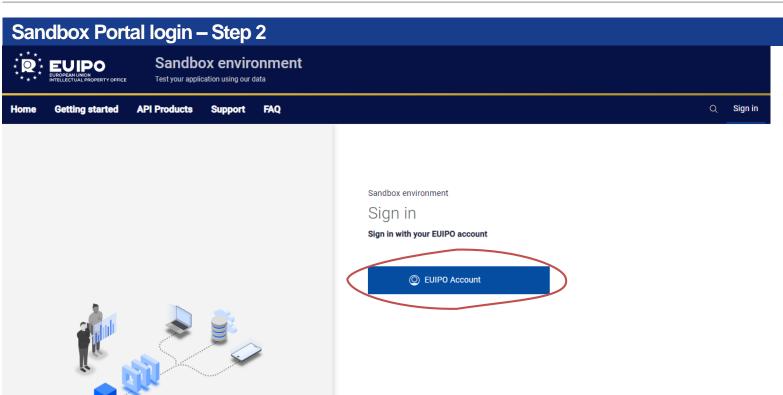
Once you have decided which APIs you want to include in your application, you will need to register for an account and

## 3 Apply

When your applications have successfully been tested, you will need to apply for access to production by





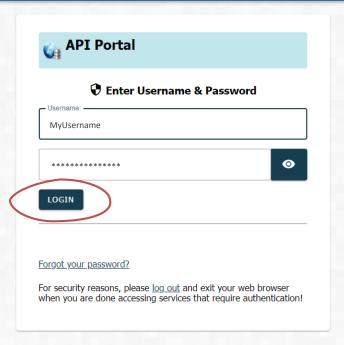






## Sandbox Portal login – Step 3













Start by having a look at our APIs. You will find what the we offer you, with all



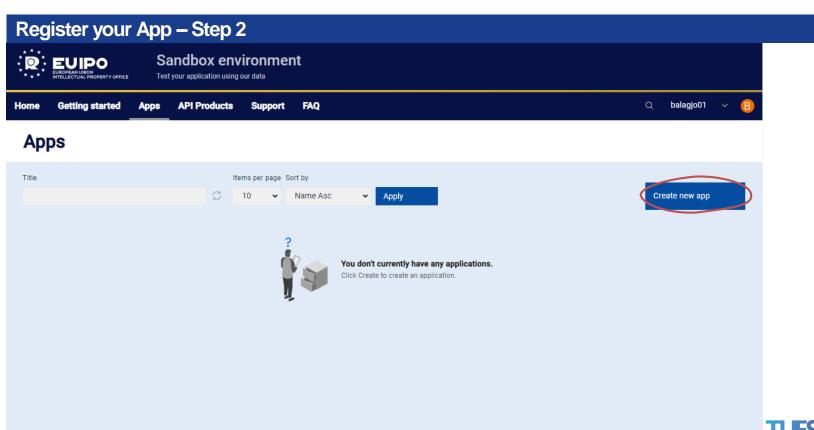
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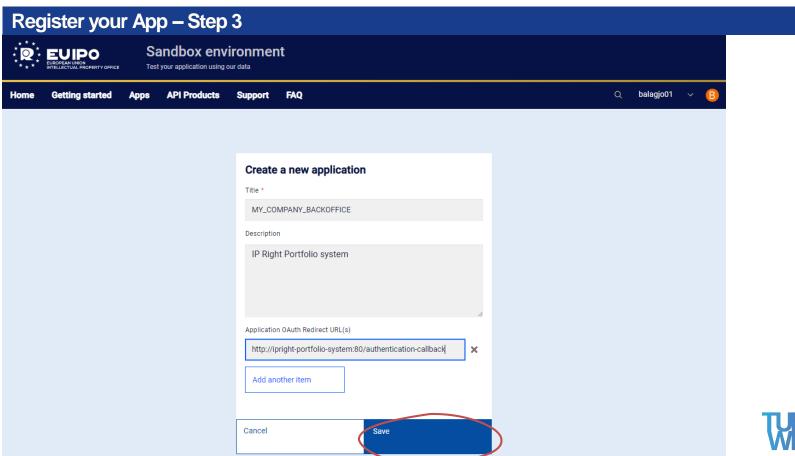






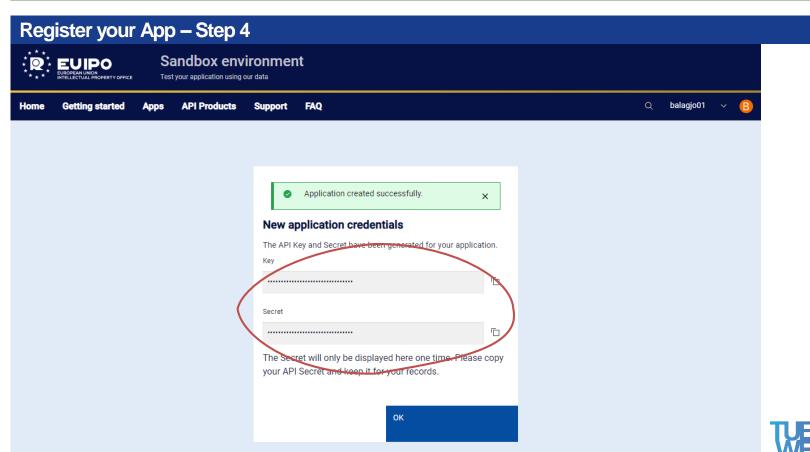




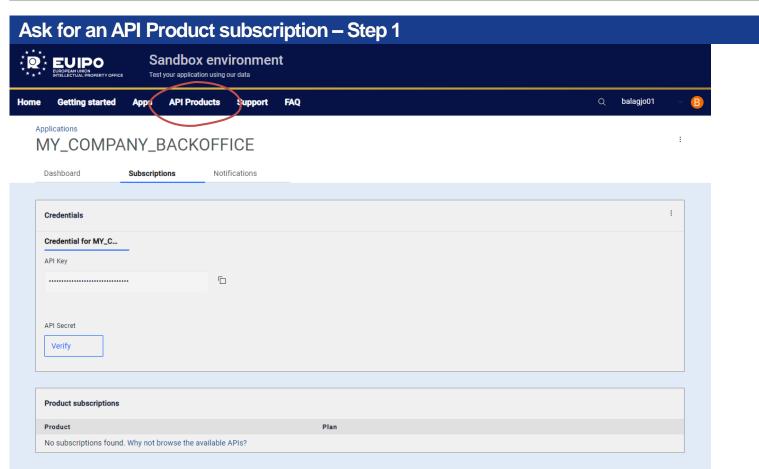










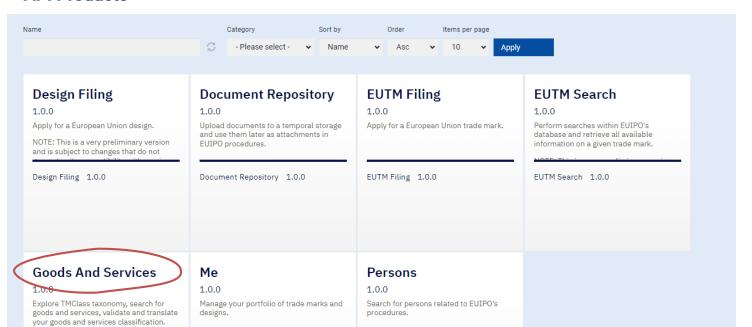






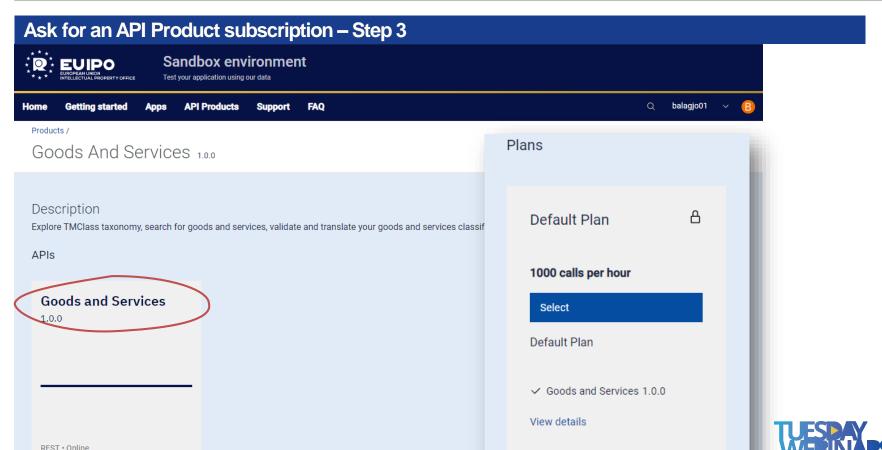
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## **API Products**

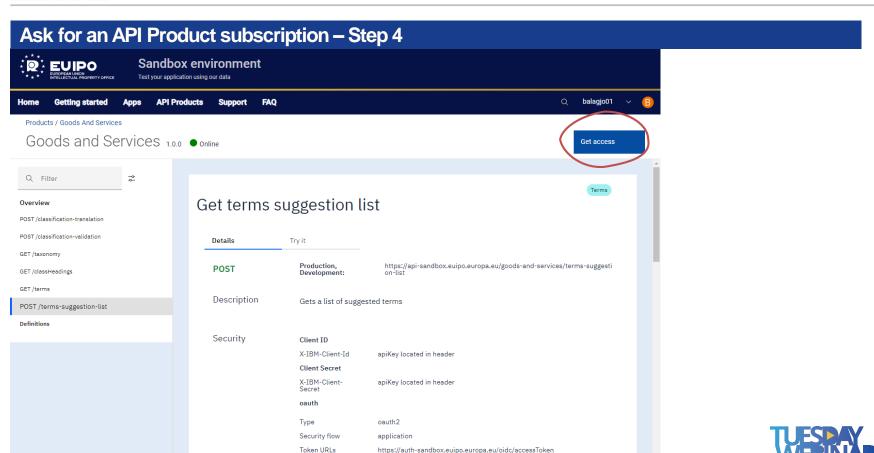












uid - Access is not restricted

Scopes



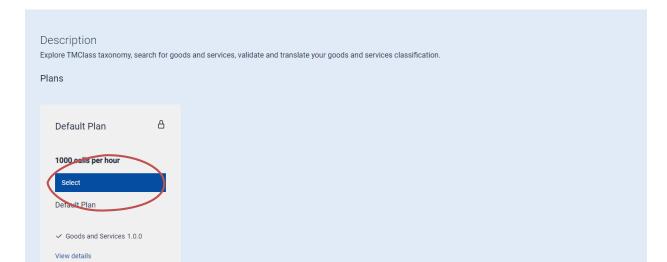
## Ask for an API Product subscription – Step 5



#### Subscribe to Goods And Services 1.0.0

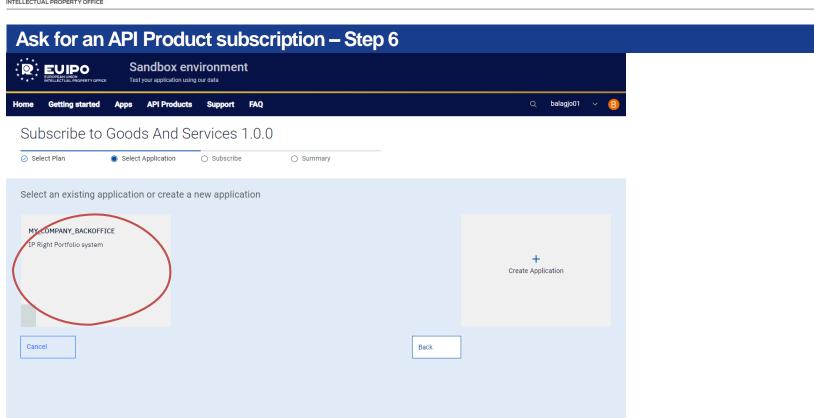
<ul><li>Select Plan</li></ul>	<ul> <li>Select Application</li> </ul>	○ Subscribe	Summary

#### Goods And Services 1.0.0







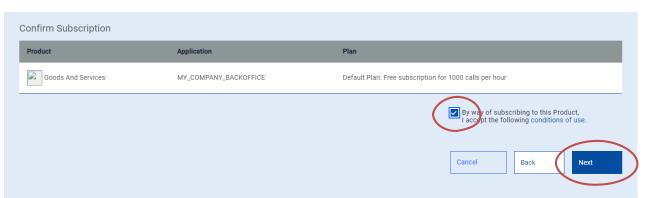






# Ask for an API Product subscription – Step 7 | Recommendation | Sandbox environment | Test your application using our data | Home | Getting started | Apps | API Products | Support | FAQ

## Subscribe to Goods And Services 1.0.0 Select Plan Select Application Subscribe Summary



Q balagjo01





Select Plan

## Ask for an API Product subscription – Step 8

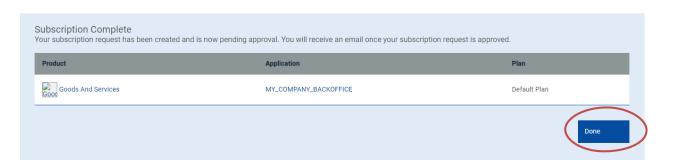
Subscribe



Summary

## Subscribe to Goods And Services 1.0.0

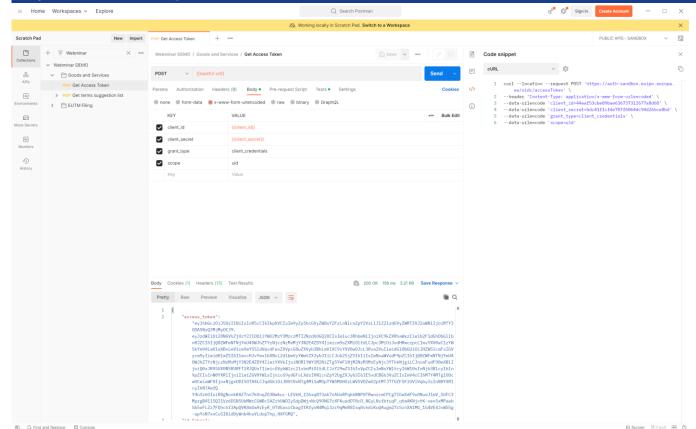
Select Application







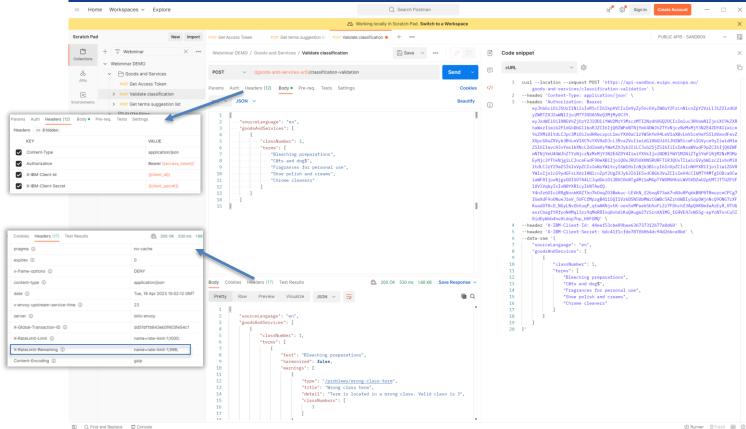
## Try G&S API – Step 1: Get Access Token







## Try G&S API – Step 2: Call "Classification validation" operation

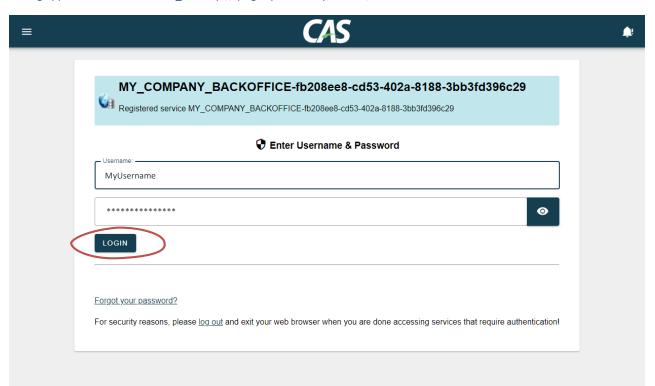






## Try EUTM Filing API – Step 1: Authorize application

https://auth-sandbox.euipo.europa.eu/oidc/authorize?response\_type=code&client\_id=553876bda0c0864dfde2bba91c086201&scope=uid%20eutm-filing.application.write&redirect\_uri=http://ipright-portfolio-system:80/authentication-callback





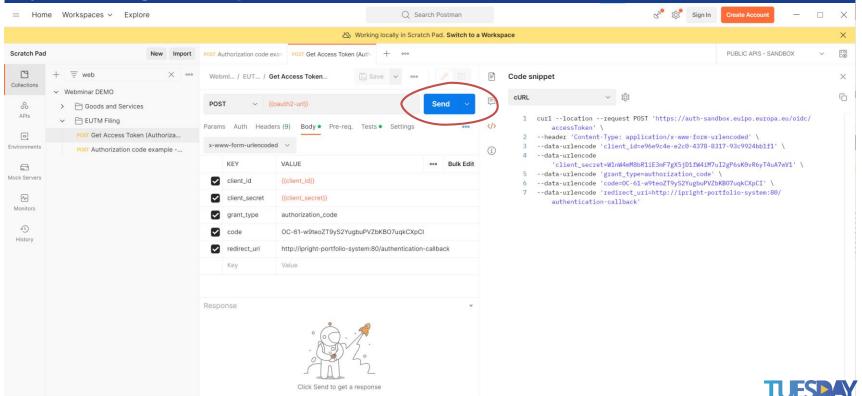


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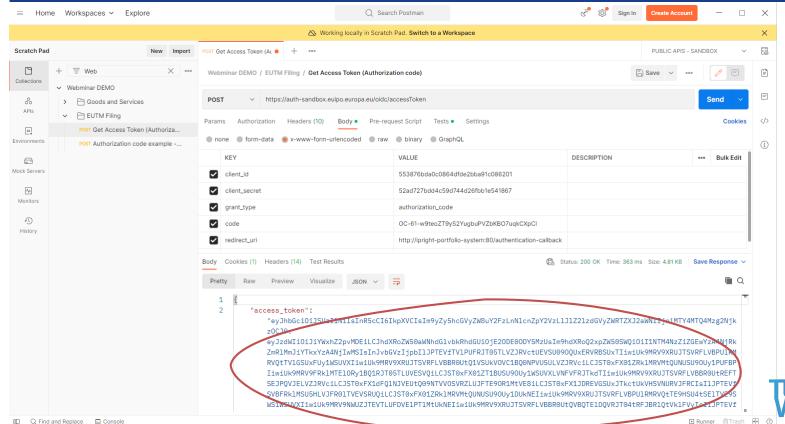


## Try EUTM Filing API – Step 3: Get Access Token





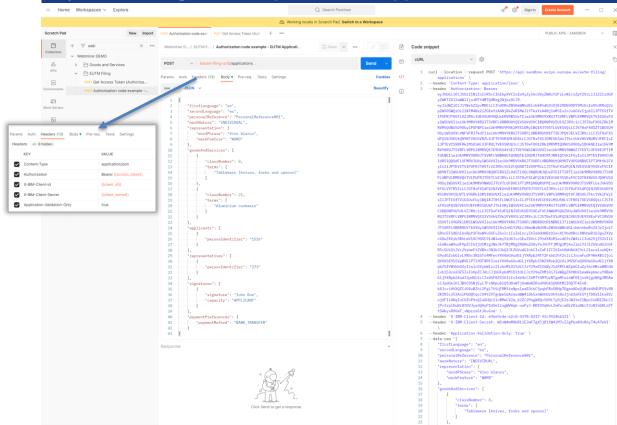
## Try EUTM Filing API – Step 3: Get Access Token





□ Q. Find and Replace □ Console

## Try EUTM Filing API – Step 3: Validate application







# The present and a quick glimpse into the future





## The present and a quick glimpse into the future



API platform adoption keeps growing!



Official support channels



**New** APIs are coming:

- Filing APIs: RCD filing
- Dissemination APIs: search for trade marks, designs, oppositions, appeals...

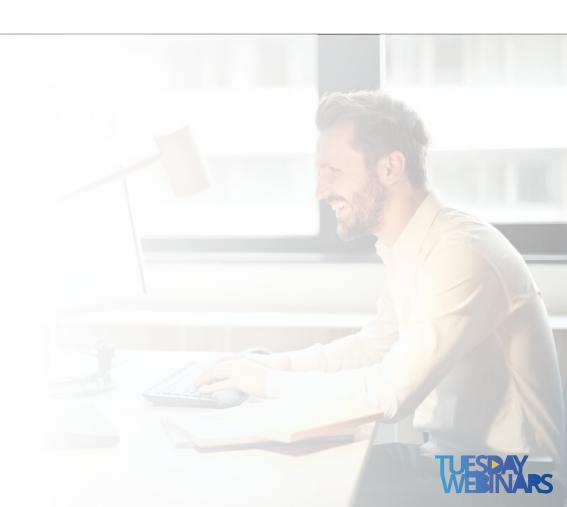


And more are yet to come!











## **Summary**



Available services were not designed for B2B purposes



API will reduce your costs and improve consistency



You are part of our journey! We design together!



We are the first consumers!



We will continue adding products to our catalogue!



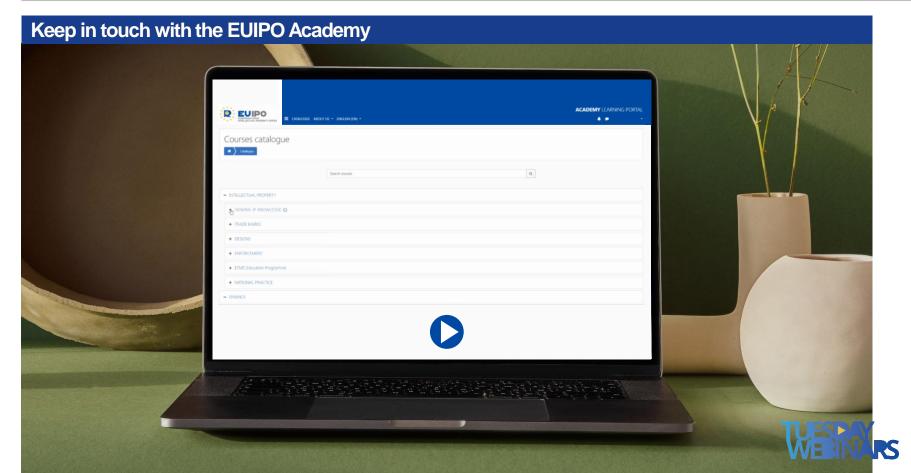












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**THANK YOU** 

