BARCELONA CHALLENGE

The Single Digital Gateway is a **single access point** for **citizens and businesses** who want to **live or do business in another EU country**, which aims to support **Europe's Single Market** through **clear**, **clever** and **targeted information**, **procedures** and **assistance services**

Building and shaping this **all-in-one gateway** is a complex and exciting challenge, so the **European Commission** is calling on the hacker community in different countries for their ideas and solutions

#SingleDigitalGateway #GatewayHackathon

Join the **Facebook group**

The Barcelona teams' challenge is…

To develop an **automated** way of providing product manufacturers with the **EU as well as the Member States' rules** applying to their products

What is the problem?

There are two types of rules for products:

1. **EU rules** (e.g. on toy safety, labelling and recycling, safety of medical devices, …); and
2. **National rules** on product-related issues.

Manufacturers need to be aware of and respect both sets of rules (EU + national) for their products.

➔ How can they find out about all EU and national rules applying to their products, in an easy way?

The existing solutions

The existing online solution only covers well the EU rules: The European Commission publishes an online database, the **EU Trade Helpdesk**, which lists the EU rules **according to a product code and corresponding product name ("combined nomenclature" structure)**. A built-in **search engine** in English helps product manufacturers find the product code according to the product name. They can thus find the EU rules applying to their products, but not the national rules. Some Member States publish their national rules on their "Product Contact Points", others via other means.

The challenge

How can business users easily find out about all the rules that affect their products?

What is the best way of presenting the results to the user?

What is the best way of organising the rules to serve usability? Can a mechanism be devised that would automatically feed the national rules into the existing database of the European Commission?

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Why is this challenging?

The product names that are included in the database structure exist in **all EU languages**, but for linguistic reasons there may be **semantic difficulties**, e.g. the database may use the word "cloth", and the national law uses "garment".

The **national laws** may cover **one, several or even a very large number of products**. **National laws may be included in databases**.

The **product code structure** of the combined nomenclature consists of **14,000 product entries**, but still does not cover all existing products.

➔ Businesses want quick and easy but still **reliable data access solutions**.

Resources you will get

✓ An extract of the [combined nomenclature][i] in all EU languages

✓ An off-line copy of examples of national product rules:

▪ A set of (draft) product regulations from Spain, France and the UK

▪ National websites that publishes national product rules, in a testing environment in [France][ii] and [UK][iii]

➔ *Hackers are free to choose any EU Member State data set(s)*

✓ The [EU TRADE HELPDESK][iv] database in a testing environment that can be used to display the results to the users

➔ *This is one option, hackers are free to pursue other solutions*

Participants should keep in mind the following principles

✓ The accuracy of the solution: the solution has the ability to provide **user confidence in the result data**

✓ **Data is accessible**: The way information is accessed and displayed must be sufficiently adaptable to meet a wide range of enterprise users and their **corresponding methods of access**

✓ Technology independence: The solution is independent of specific technology choices and therefore can operate on a **variety of technology platforms**

✓ **Ease-of-use**: Training is kept to a minimum, and the risk of using a system improperly is low

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Reminder of the hackathon's context and aim

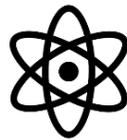|	
Whom	These hackathon events are designed for creative, versatile IT and design communities – people who feel passionate about single market and who want to help the EU citizens and businesses in exercising their internal market rights and make living, working, doing business and travelling across EU easier by sharing their ideas & creative thinking on the common IT tools which need to be developed under the SDGR (Single digital gateway Regulation).
What	The participants will be faced with 5 different challenges through 4 different events that all derive from EU legislation (Single digital gateway Regulation), but in reality their input will have a chance to help EU citizens to dispose of a searchable products' database of EU Member States and corresponding EU codes and rules
Why	The 'why' is perhaps the most important element in this equation. The internal market is one of the Union's most tangible achievements. By allowing people, goods, services and capital to move freely it offers new opportunities for citizens and businesses. The Single digital gateway Regulation is a key element of the Single Market Strategy (from 2015). That strategy has the objective of unlocking the full potential of the internal market by making it easier for citizens and businesses to move within the Union and to trade, establish themselves and expand their businesses across borders. All the participants will contribute through the challenges presented to them, to this broader cause.
Where	The events will take place in 4 countries: ▪ 30-31/03 Brussels, Belgium ▪ 26-27/04 Tallinn, Estonia ▪ 18-19/05 Bucharest, Romania ▪ 31/05-01/06 Barcelona, Spain
When	The regulation has entered into force in December 2018 and will become applicable from December 2020, meaning all the implementing activities (incl. developing IT tools for instance) have to be finished and IT solutions operational by December 2020.
How	All parties (like the Member States, national authorities, competent authorities, the Commission) need to prepare themselves for obligations relevant for them to meet the 2020 deadline. The Commission is in charge of developing a set of common IT tools by 2020 December and has decided to involve (in addition to the national coordinators and authorities) also creative IT communities from all over the EU to diversify the pool of possible IT solutions. The different ideas and solutions generated via such events will eventually form part of the basis for the IT tools to be developed from July 2019 to mid 2020, and made fully operational by end of 2020.
How much	One nifty idea, one clever solution could be all that is needed to provide a better service.

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How will your hack will be evaluated?

The jury will choose among the 3 final teams the winner based on the criteria mentioned here bellow.

All #GatewayHackathon entries will be judged by the #GatewayHackathon Competition Judging Panel against the following criteria:

Practicality of the idea	Innovative approach	Consistency with competition purposes	Quality, design & usability	Pitch
5 points	**5 points**	**5 points**	**5 points**	**Bonus points**
✓ Does the **hack work**? ✓ Is the hack **testable**? Can the team show the **minimum viable product**? The hack does not have to be perfect, but: ✓ Does the idea come to life with the **demo**?	✓ Does the team come up with a **good, innovative and out-of-the-box solution** to the initial problem or challenge? ✓ Does the team use an **innovative approach** or do they follow existing patterns and solutions? ✓ **Does the new code/idea make something work that the old code/system failed to?** ✓ Does the new **project tackle a problem that has been**	✓ Does the team **understand** the problem? ✓ Does the hack **solve the problem**? ✓ Or **is it hard to implement or scale**? ✓ Does the team have a clear plan to **move the project forward**? ✓ Does the hack utilise a well-established **open source**	✓ Does the group think about the **user interface (UI)** and **user experience (UX)**? ✓ How well **designed is the demo**? ✓ How are the **graphics**, or how is the **human-computer interaction**? ✓ Is there a **wow effect**? ✓ Does the hack seem to really **amaze and excite the audience**?	✓ **How well the solution is pitched to the jury**? ✓ Is the hack and/or the demo **clearly presented**? ✓ **How does the team answer to the jury's questions**? ✓ **Were they convincing** enough, is the pitch **short and to the point**?

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overlooked/ ignored in the past?

✓ **Does the new project tackle a problem under a new angle / on a bigger broader scale / on a higher level**?

community supported framework or **does it use a proprietary tool**?

✓ Does the hack have a **multi-platform support**?

✓ How **user-friendly** is their solution? Is the hack **easy to use** or does it require a lot of training to master the demo?

✓ Is it **easy to use at first glance**, professional/ fun or sloppy and not really intuitive?

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What is the Single Digital Gateway Exactly?
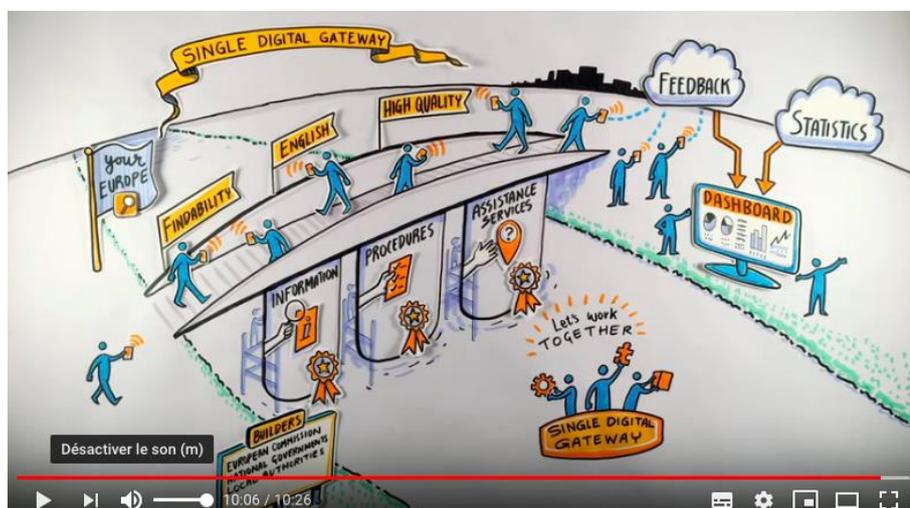
A helpful video explaining the EU's Single Digital Gateway, an "*single access point for citizens and businesses who want to live or do business in another EU country*". Building and shaping this **all-in-one gateway** -- which supports Europe's Single Market through clear, clever and targeted information, procedures and assistance services -- is a very complex challenge. So the European Commission is calling on the hacker community (developers, designers, marketers, inventors, start-uppers, tech enthusiasts…) in different countries for their ideas and solutions. #SingleDigitalGateway #GatewayHackathon – https://www.youtube.com/watch?v=Znkoz0-P3sc

Areas of information covered by the regulation related to citizens and businesses	Relevant assistance and problem-solving services
1) Travel within the Union 2) Work and retirement within the Union 3) Vehicles in the Union 4) Residence in another Member State 5) Education or traineeship in another Member State 6) Healthcare 7) Citizens' and family rights 8) Consumer rights 9) Protection of personal data 10) Starting, running and closing a business 11) Employees 12) Taxes 13) Goods 14) Services 15) Funding a business 16) Public contracts 17) Health and safety at work	1) Points of single contact 2) Product Contact Points 3) Product Contact Points for Construction 4) National assistance centres for professional qualifications 5) National contact points for cross-border healthcare 6) European network of employment services (EURES) 7) Online dispute resolution (ODR)

INFORMATION SOURCES AND BUILDING BLOCKS

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ⁱ Extract of the combined nomenclature in all EU languages:
https://ec.europa.eu/eurostat/ramon/nomenclatures/index.cfm?TargetUrl=LST_NOM_DTL&StrNom=CN_2019&StrLanguageCode=EN&IntPcKey=&StrLayoutCode=HIERARCHIC

ⁱⁱ French national website that publishes national product rules:
https://www.entreprises.gouv.fr/libre-circulation-marchandises/free-movement-of-goods-in-europe?language=en-gb

ⁱⁱⁱ UK national website that publishes national product rules:
https://www.gov.uk/guidance/mutual-recognition-regulation-across-the-eea

ⁱᵛ EU TRADE HELPDESK database in a testing environment:
https://trade.ec.europa.eu/tradehelp/