

D2.3

Virtual Library

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Deliverable 2.3

Virtual Library

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WP 2

LEADER

LOBA

DISSEMINATION LEVEL

Public

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Contributors

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Peer Reviews

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Executive summary

This deliverable provides an overview of Urban Tech Virtual Library of Challenges and respective URL.

To develop the Library, LOBA used HTML5, CSS3, JavaScript, PHP7.4+ and MySQL database.

The library is presented in a responsive model suitable for all devices.

LOBA will use Google Analytics as its web analytics service to track Virtual Library traffic and assess useful statistics that will help to optimise the Library and the communication and dissemination strategy to promote Urban Tech Open Call.



1. Objectives and search functionalities of the Virtual Library

Urban Tech Virtual Library has the objective of providing European SMEs and start-ups applying for Urban Tech Open Call, with an online user-friendly database with filters and search functionalities, facilitating the identification of and navigation through the 300 Challenges collected by the Consortium until M8.

To identify challenges, users can apply the following filters:

Industry sector

- Greentech
- Health tech
- Smart City
- Any

Business sector

- Administrative solutions
- AI & IoT
- Automation, robotics & sensors
- Awareness & training tools
- Cargo handling
- Citizen participation
- Database solutions
- Digital marketplace
- eHealth & telemedicine
- Energy management
- Energy sharing
- EV charging
- eVTOLs & drones
- Forecasting software
- Health care management
- Last mile solutions
- Mobility as a service (MAAS)
- Mobility strategy
- Monitoring solutions
- New hardware product
- Other environmental solutions
- Predictive maintenance
- Real-time & big-data
- Recycling & upcycling

- Smart & sustainable buildings
- Social inclusion solutions
- Solar energy & batteries
- Sustainability strategy
- Sustainable food & farming
- Tracing & tracking solutions
- Urban landscaping
- Urban mobility solutions
- Urban planning
- Virtual & augmented reality
- Water solutions
- Any

Country

- Austria
- Estonia
- Finland
- Germany
- Lithuania
- Poland
- Portugal
- Slovenia
- Sweden
- Any

Type of solution

- Hardware solution
- Software solution
- Finance or business model
- Improvement of an existing process
- New technological approach
- Service development
- Other type of solution
- Any

Who needs this solution?

- Company
- Public body, institution or other non-profit organisation

Additionally, users can search for Challenges also via a search bar based on keywords and Challenges' titles.



2. Virtual Library interfaces

Home page

The Home Page of the Library first displays a descriptive text which in the future will be provided with links to directly access detailed information on Urban Tech Open Call guidelines and Urban Tech programme.

The introductory text may be subject to changes in the future.

The text is the following:

“Are you ready to enter Urban Tech acceleration programme?

Propose your solution to Urban Tech Challenges!

Our Consortium collected 300 Challenges from organisations all over Europe. If you think you can solve at least one of them with a product, a service or even an idea, **don't miss your opportunity to apply and enter into Urban Tech acceleration programme.**

More information on the **Open Call** and **Urban Tech acceleration programme** will be available soon.”

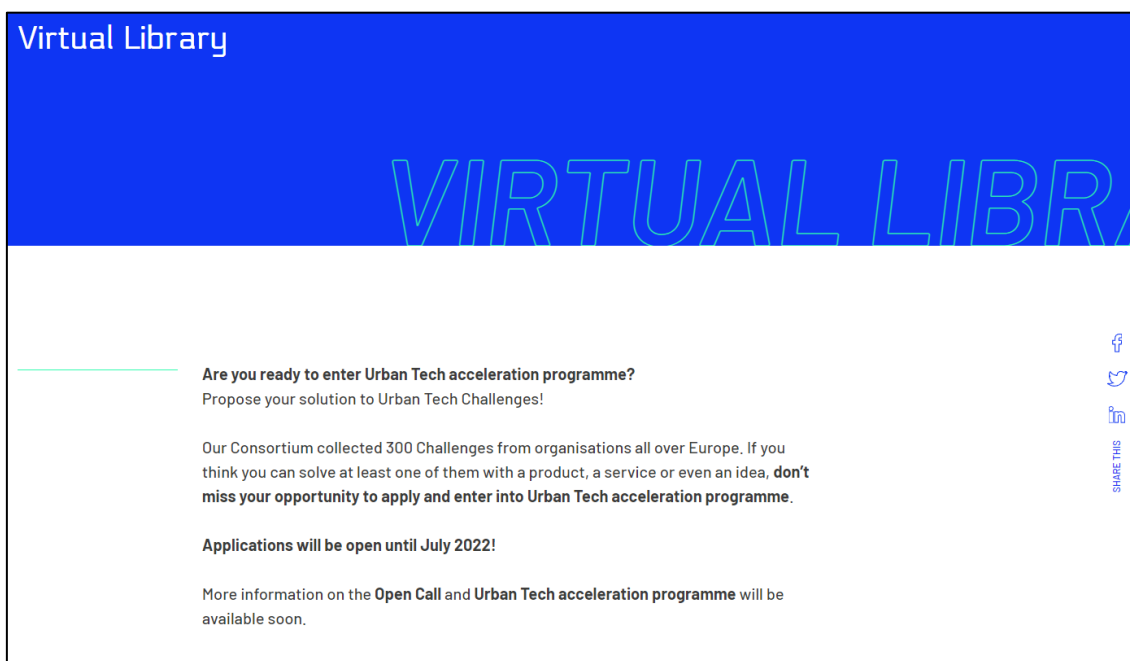


Figure 1 - Urban Tech Virtual Library - Home page

Social media share buttons are provided on the side on the web page as displayed in Figure 1.

The **search box** below the introductory text comprises all filter categories explained in section 1.

Each filter provides dynamic feedback on the selected records, as well as the possibility to select or remove all filters (see Figure 2 and Figure 3).

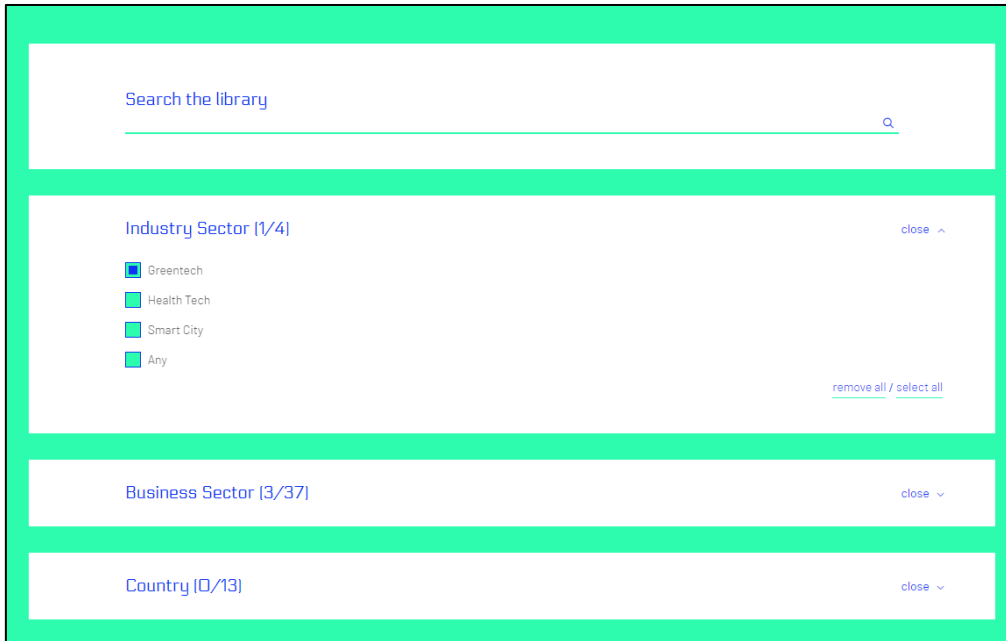


Figure 2 - Urban Tech Virtual Library Search box (1)

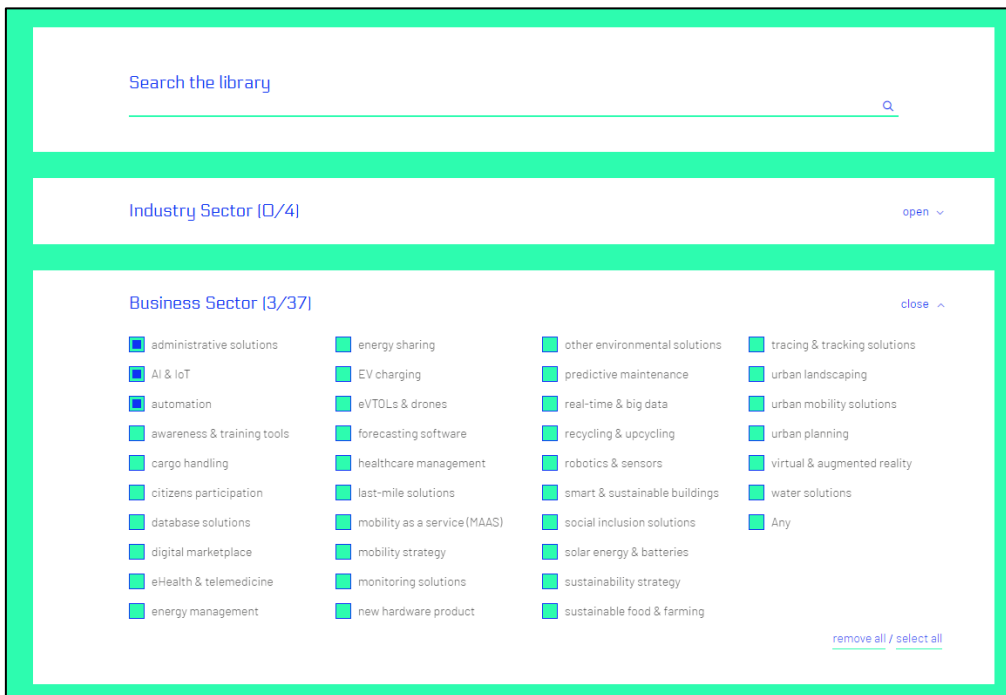


Figure 3 - Urban Tech Virtual Library Search box (2)

Below the search box, a preview of Challenges is provided, ordered by latest entries.

TITLE	TYPE OF	COUNTRY	INDUSTRY SECTOR	FOR WHO
Workplace of the future - mitigating musculoskeletal system disorders	Hardware solution, Improvement of an existing process, New technological approach, Other type of solution, Service development, Software solution,	Slovenia	Health Tech	Public body, institution or other non-profit organisation
When/where shall/can I go or be found in a health facility?	Hardware solution, Improvement of an existing process, Service development, Software solution,	Hungary	Health Tech	Public body, institution or other non-profit organisation

Figure 4 - Urban Tech Virtual Library: latest entries

Challenge detail web page

Once an individual Challenge is selected, users are redirected to the respective Challenge detail web page which provides the following information:

- Title of the Challenge
- Short description
- Market potential
- Timing
- Desired results
- Type of Solution
- Country
- Industry sector
- Who needs the solution

Each Challenge detail page is provided with the “Apply Now” widget which redirects users to the Open Call application form, developed on F6S platform.

← BACK

Workplace of the future – mitigating musculoskeletal system disorders

LIBRARY OF CHALLENGES

LIBRAR

Short description: Working in a sedentary position is typical for office workers and after long periods of time can cause serious problems with the musculoskeletal system. The COVID-19 pandemic has accelerated the trend of working from home, which is often associated with even worse ergonomic working conditions.

Market potential: Potential buyers: MSPs, start-ups, scale-ups, education institutions, public sector. Cost and risks: Depends on the end product

Timing: As soon as possible we can expect a sharp increase in the number of cases related to musculoskeletal system diseases.

Desired result: Improving the overall health of employees; Decrease in the amount of sick leave; Increase in employee productivity.

Information on challenge owner: Public financial fund.

Keywords: Healthy work environment; Work from home; Office environment; Musculoskeletal system; Ergonomic solutions

TYPE OF	COUNTRY	INDUSTRY SECTOR	FOR WHO
Hardware solution, Improvement of an existing process, New technological approach, Other type of solution, Service development, Software solution,	Slovenia	Health Tech	Public body, institution or other non-profit organisation

Tackle this challenge
APPLY NOW

Figure 5 - Challenge detail web page

Users are able to go back to search results via “Back” widget on the top left of the web page.

3. Virtual Library URL

Urban Tech Virtual Library is available at the following URL: <https://www.urbantech-project.eu/virtual-library/>.



urban tech

ACCELERATING INNOVATION IN
HEALTH TECH, SMART CITY
AND GREENTECH

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