

# Manual for virtual HCEU matrix „Professional Care“

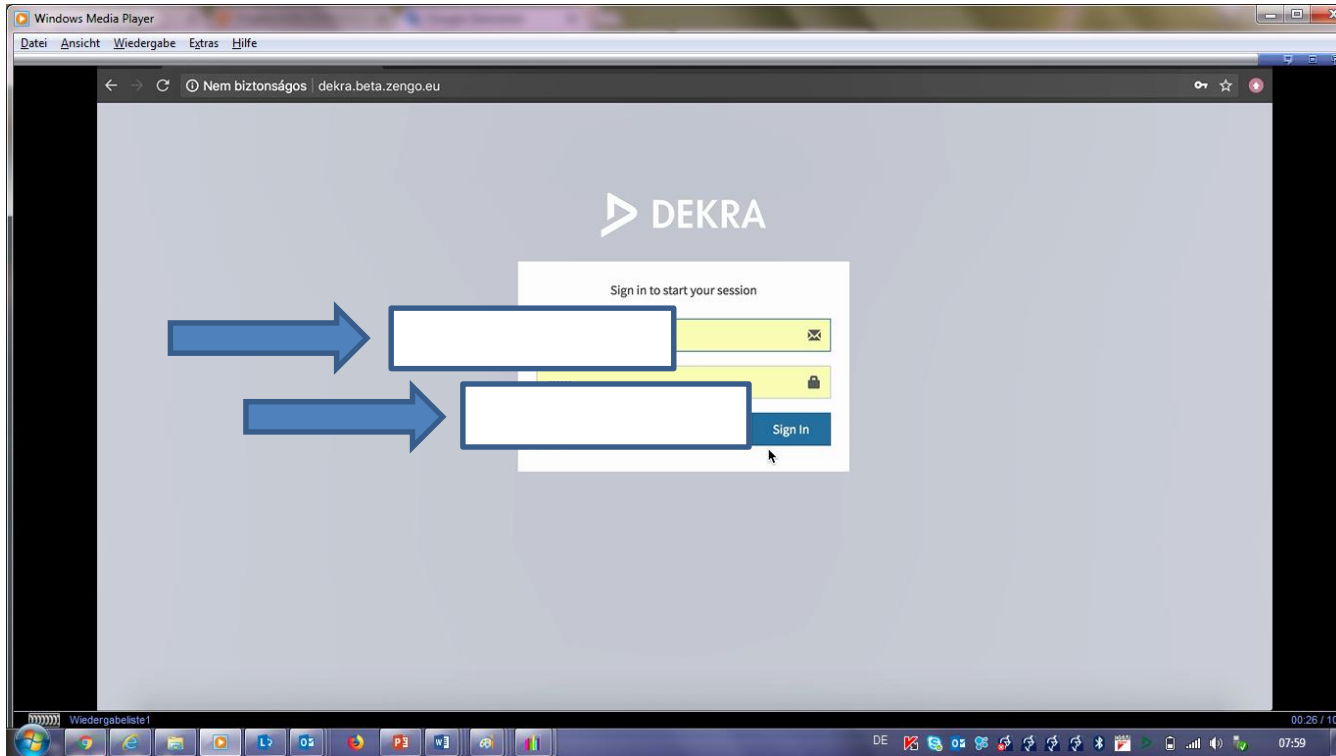


[www.project-hceu.eu](http://www.project-hceu.eu)  
[www.healthcareeurope.eu](http://www.healthcareeurope.eu)

Co-funded by the  
Erasmus+ Programme  
of the European Union

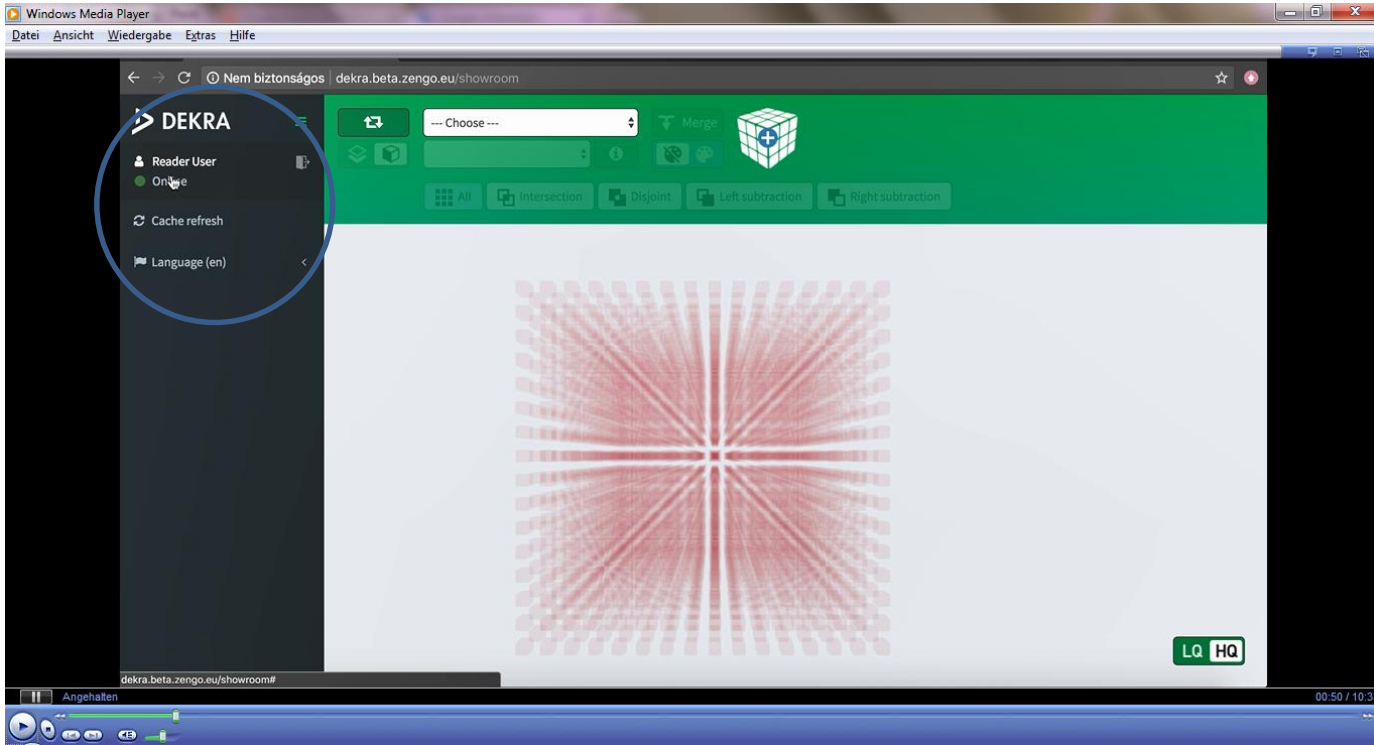


# Login page



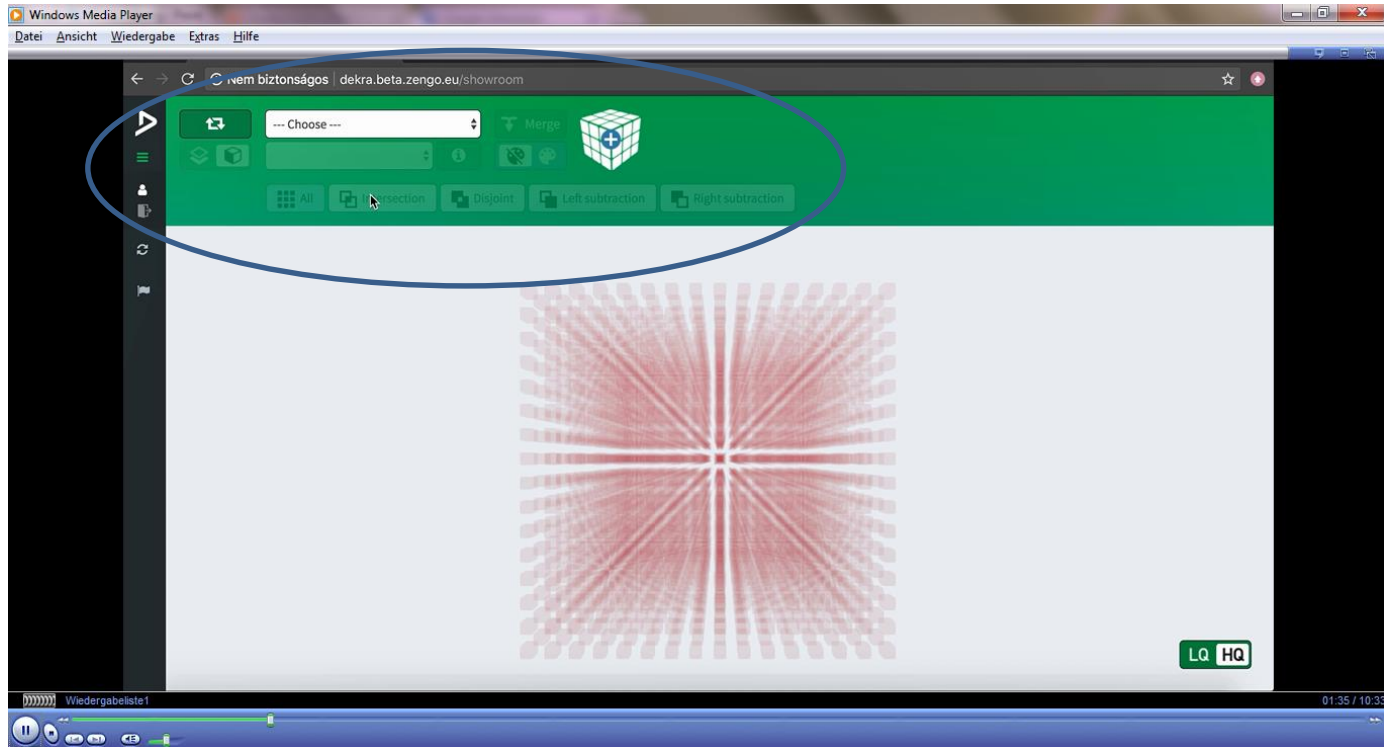
On the first page of the DEKRA HCEU matrix, you must enter the user and password for the login. Please contact DEKRA for login data

# Menu



- first line of the menu bar you can see if the program is "Online"
- by the small door symbol beside the name you can log out again.
- "Cache refresh" deletes the accelerator memory of the browser
- The last menu bar can change the language of the program

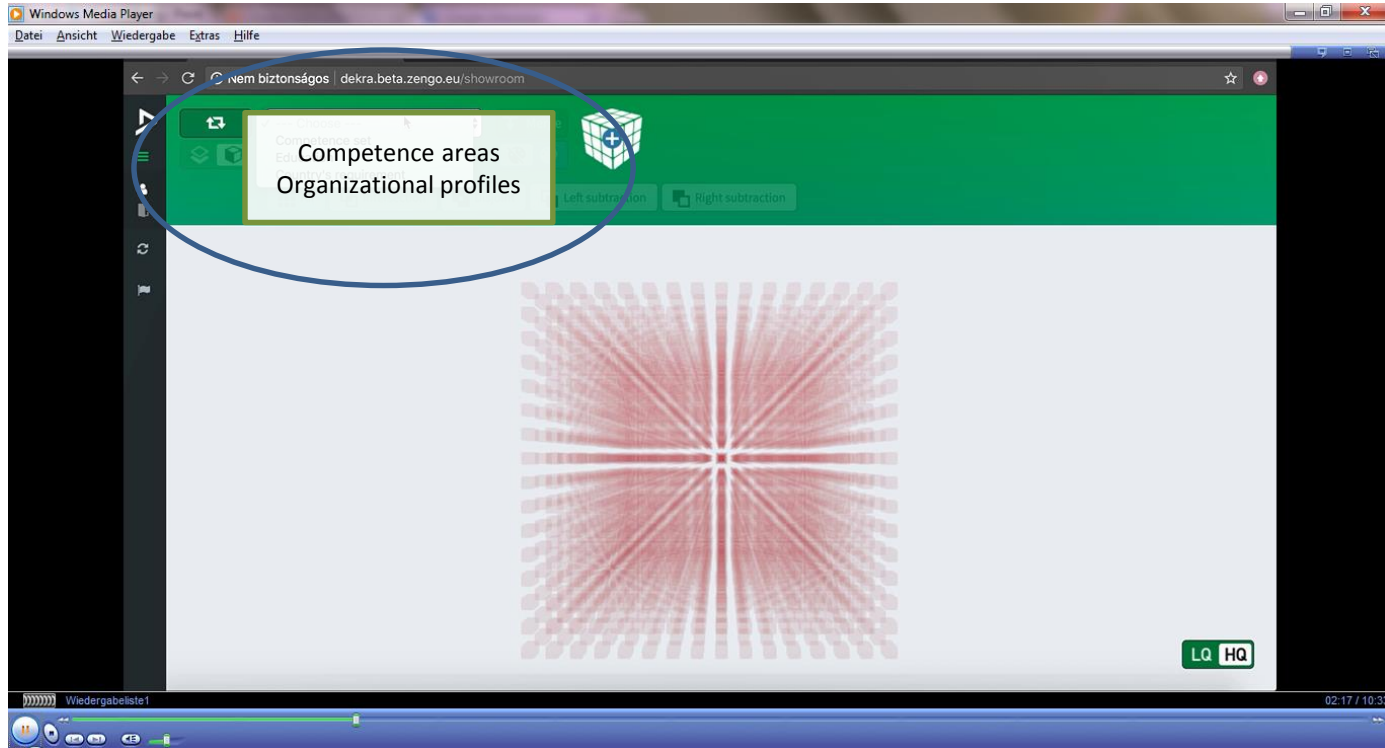
# Menu



The green bars in the right workspace are buttons and drop-down menus that allow you to work with the 3D cube.

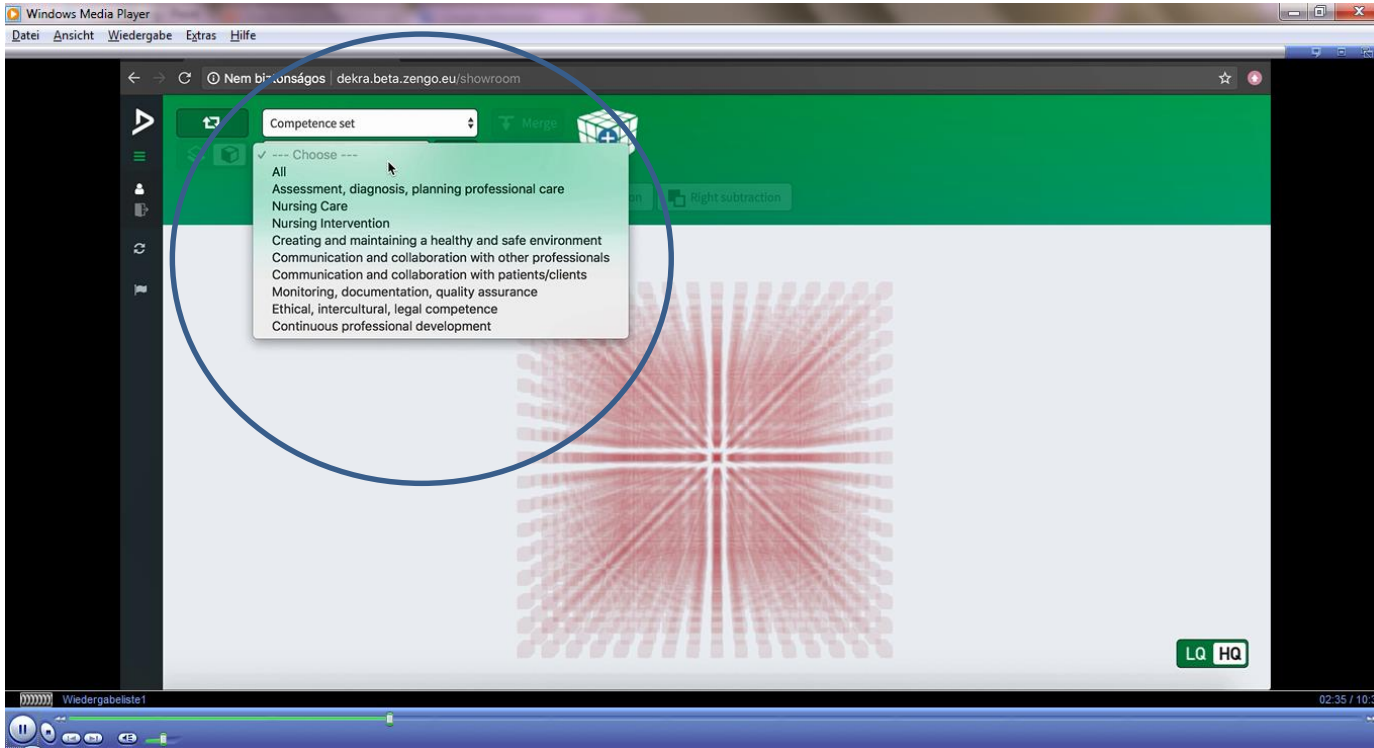
You can restore the initial and reverse views of the 3D cube in the upper left corner of the green bar - which can be useful when you rotate, zoom in and zoom out the cube.

# Menu



In the drop-down menu "Choose" you can choose between two menu items. "Competence areas" contains all competences that are recorded in the system. "Organizational Profiles" shows the competencies that a country or organization associates with specific qualifications or job requirements.

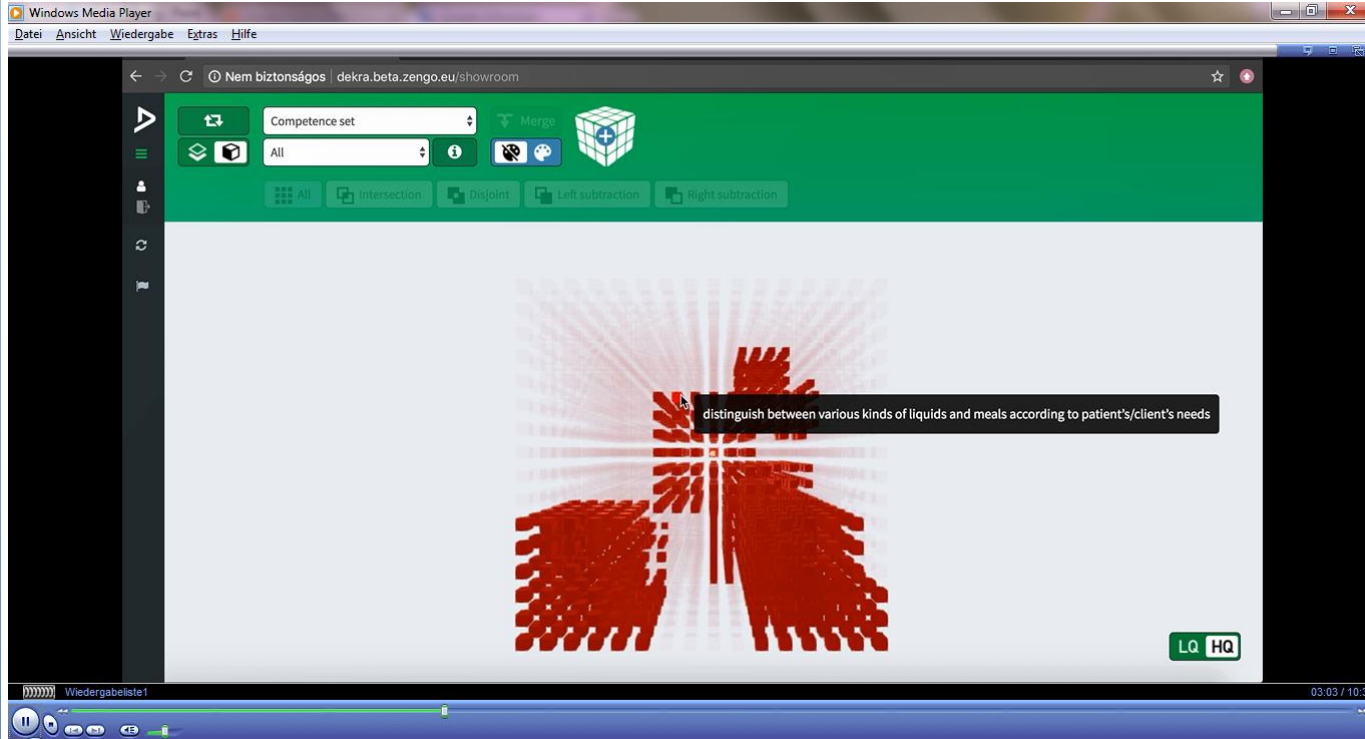
# Menu



After selection, the second drop-down menu appears and you can select between all "competence areas" or one of them

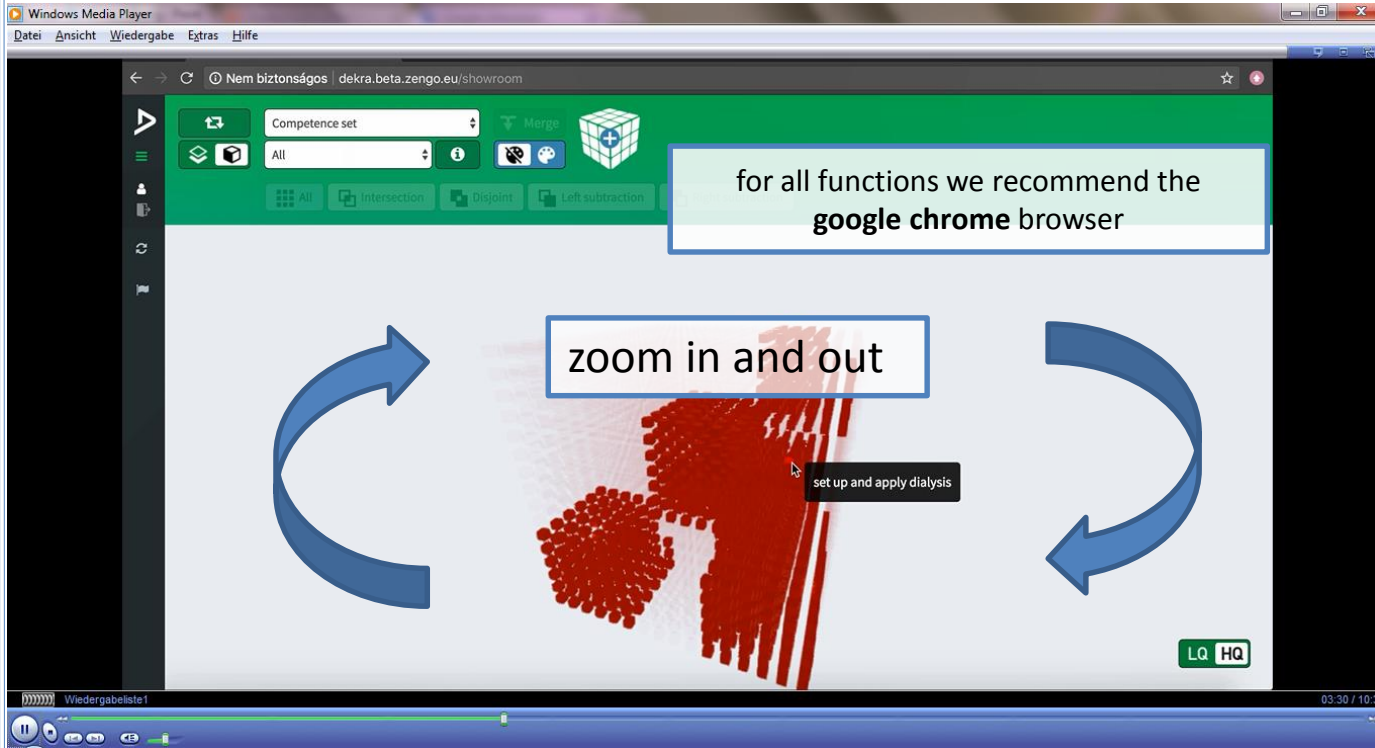
In the "Organisational profiles" you can choose from countries or institutional expectations in the system.

# workspace



After selection, the 3D matrix cube display loads the competences belonging to the selected area. These are first indicated by the color change of the respective competence belonging to the indicated field and the program is displayed in red.

# workspace

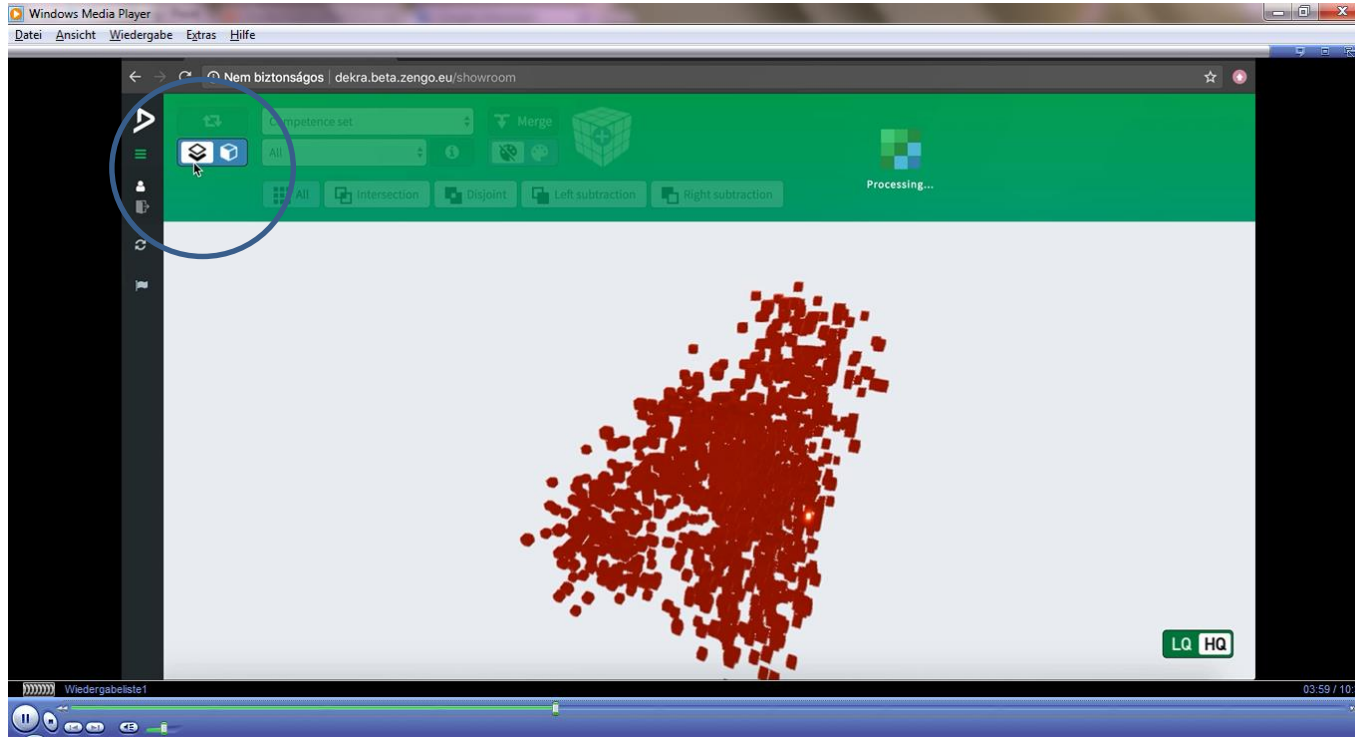


After the display, various operations can be carried out with the 3D matrix:

It can be zoomed in and out with the mouse scroll button or the touch pad with two-finger scrolling. A cursor, which was dragged over the small cubes, shows a description of this competence box in a small window. Use the left mouse button and move the mouse to rotate the 3D matrix.



# workspace



After selecting the competence sets, two new actions are displayed in the green menu bar, which are displayed by switching the corresponding buttons to full contrast. Use the button on the left edge of the second line to switch between two- and three-dimensional views.

# workspace

The screenshot shows a web browser window displaying a learning outcomes matrix. The browser address bar shows "Nem biztonságos | dekra.beta.zengo.eu/showroom". The interface has a green header with a search bar and navigation icons. Below the header is a grid of learning outcomes. A blue arrow points to a cell in the grid.

name of wounds	Wound management: To be able to assess	Wound management: To	Stoma Management: To be able to assist in	Stoma Management: To be able to assess and take care															
remove sutures and control	empty and change	explain legal regulation	describe possible complications	implement latest scientific techniques	explain name regarding	assist in choosing the performer	assist in the preparation	classify materials	explain special conditions to	explain technique	perform irrigation into	apply methods of	react adequate to	explain diseases that can	explain preoperative care for				
describe treatment of	explain the removal	manage clean wounds	perform care for all	describe in the wound	name special bandages	identify gaps in knowledge	explain the assessor regarding	name association the patient/client	involve the performer	assist in the care for	collaborate with other	describe the treatment and	administer nutrition care for	apply tracheostomy care	react adequate to the anatomy	explain the anatomy	describe always suction	define proper location	
name various wound	describe risks within	apply diverse types of	apply special wound	recognise changes in	name factors that	describe wound healing	motivate others to proper	explain strategies of	explain different coaching/	accept stomata and	assist in administering	assist in the applying	assist in the stoma	explain the appearance	perform care of a stoma	carry out a legal document	explain regulation for	explain the need for	describe types of stomata
describe one's own	explain the psycholog	assess diverse parameter	apply different technique	develop trusting the profession	describe anatomy	describe different wound	reflect and analyse	discuss ethical principles	describe methods to	be aware of conditions	assist in the performer	assist in the performer	assist in the care for	name different stomata	choose to prepare	perform care for patient's/stoma care	apply consistent of faeces	describe explain postoperative care for	

In a two-dimensional view, clicking on a specific field displays a detailed description and the learning outcomes for the box in a pop-up window.



# workspace

The screenshot shows a web browser window with the URL [dekra.beta.zengo.eu/showroom](http://dekra.beta.zengo.eu/showroom). The application interface has a green header bar with a search bar containing 'Competence set' and a 'Merge' button. Below the header, there are several buttons: 'All', 'Intersection', 'Disjoint', 'Left subtraction', and 'Right subtraction'. A blue circle highlights the 'Disjoint' button. The main workspace area displays a complex visualization of overlapping colored shapes (blue, red, green, purple) on a grid. In the bottom-left corner, there is a legend box with a list of items, each preceded by a colored square corresponding to the visualization. The legend items are: Assessment, diagnosis, planning professional care (blue), Nursing Care (red), Nursing Intervention (green), Creating and maintaining a healthy and safe environment (purple), Communication and collaboration with other professionals (yellow), Communication and collaboration with patients/clients (black), Monitoring, documentation, quality assurance (pink), Ethical, intercultural, legal competence (light green), and Continuous professional development (orange). In the bottom-right corner of the workspace, there are 'LQ' and 'HQ' buttons.

By switching the color scale, the drop-down legend is displayed in the lower left corner of the work screen.

# Country comparison

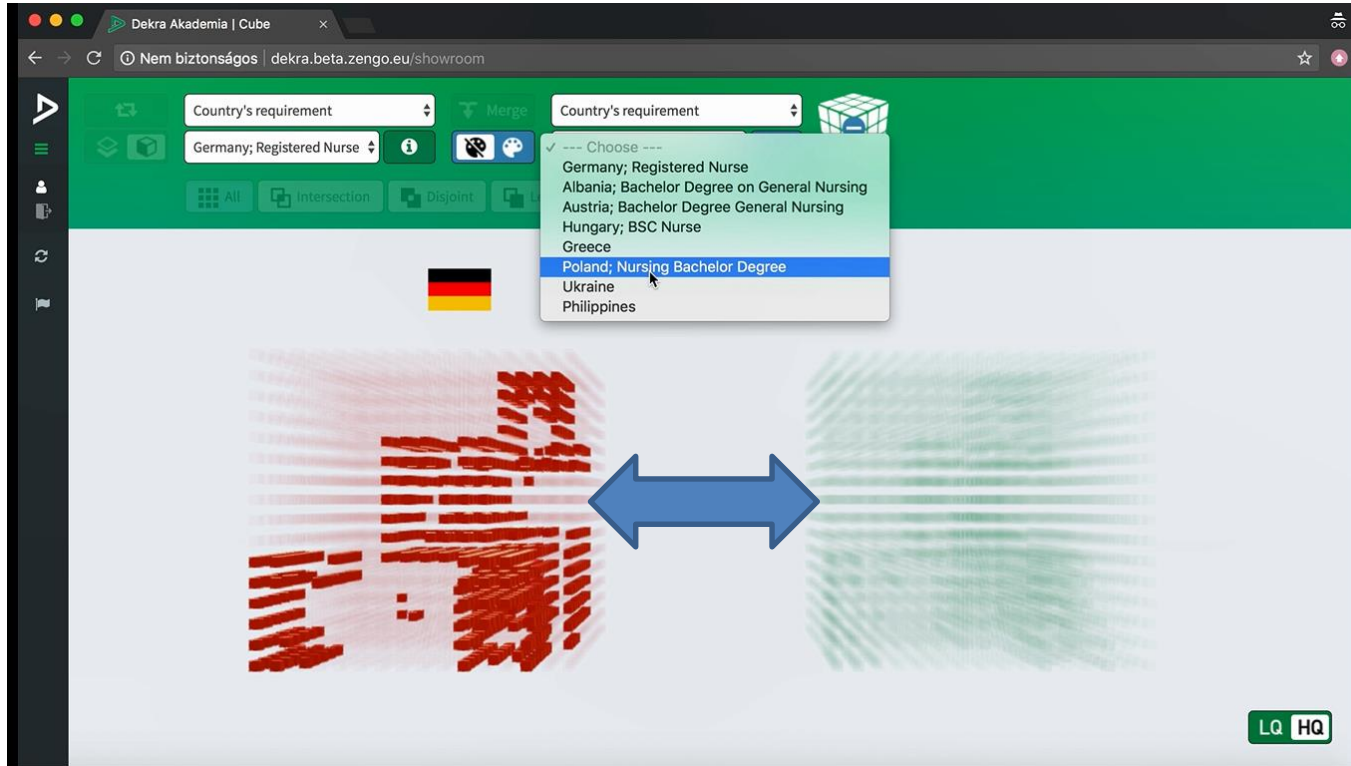
The screenshot shows a web browser window displaying a web application. The browser's address bar shows the URL [dekra.beta.zengo.eu/showroom](http://dekra.beta.zengo.eu/showroom). The application interface has a green header bar containing a 'Merge' button and a 3D cube icon, which is circled in blue. Below the header, there is a large 3D matrix visualization with colored clusters (blue, red, green, purple) and a legend on the left listing various competence areas. The legend includes:

- Assessment, diagnosis, planning professional care
- Nursing Care
- Nursing Intervention
- Creating and maintaining a healthy and safe environment
- Communication and collaboration with other professionals
- Communication and collaboration with patients/clients
- Monitoring, documentation, quality assurance
- Ethical, intercultural, legal competence
- Continuous professional development

Clicking the 3D cube icon in the center of the green + checkbox adds an additional 3D matrix to the existing one to create comparisons between different competence groups.

In this case, the number of drop-down menus is doubled, the left side is left and the right side is left.

# country comparison



In the "Organisational Profiles" menu you can call up a visual comparison of the requirements of the two countries in each of the two cubes.

# Country comparison

The screenshot shows a web browser window with the URL `dekra.beta.zengo.eu/showroom`. The interface features a green header with two dropdown menus for 'Country's requirement', currently set to 'Germany; Registered Nurse' and 'Poland; Nursing Bachelor Degree'. A 'Merge' button is located between the dropdowns. Below the header, there are five buttons: 'All', 'Intersection', 'Disjoint', 'Left subtraction', and 'Right subtraction'. The main content area displays two 3D bar charts. The left chart, associated with the German flag, shows bars colored red and yellow. The right chart, associated with the Polish flag, shows bars colored green and yellow. A legend in the bottom-left corner identifies the colors: red for 'Germany; Registered Nurse only', yellow for 'Shared competences', and green for 'Poland; Nursing Bachelor Degree only'. A 'LQ HQ' button is visible in the bottom-right corner of the application area.

Matching competencies are yellow, those in the left cube are red, while those in the right cube are green.

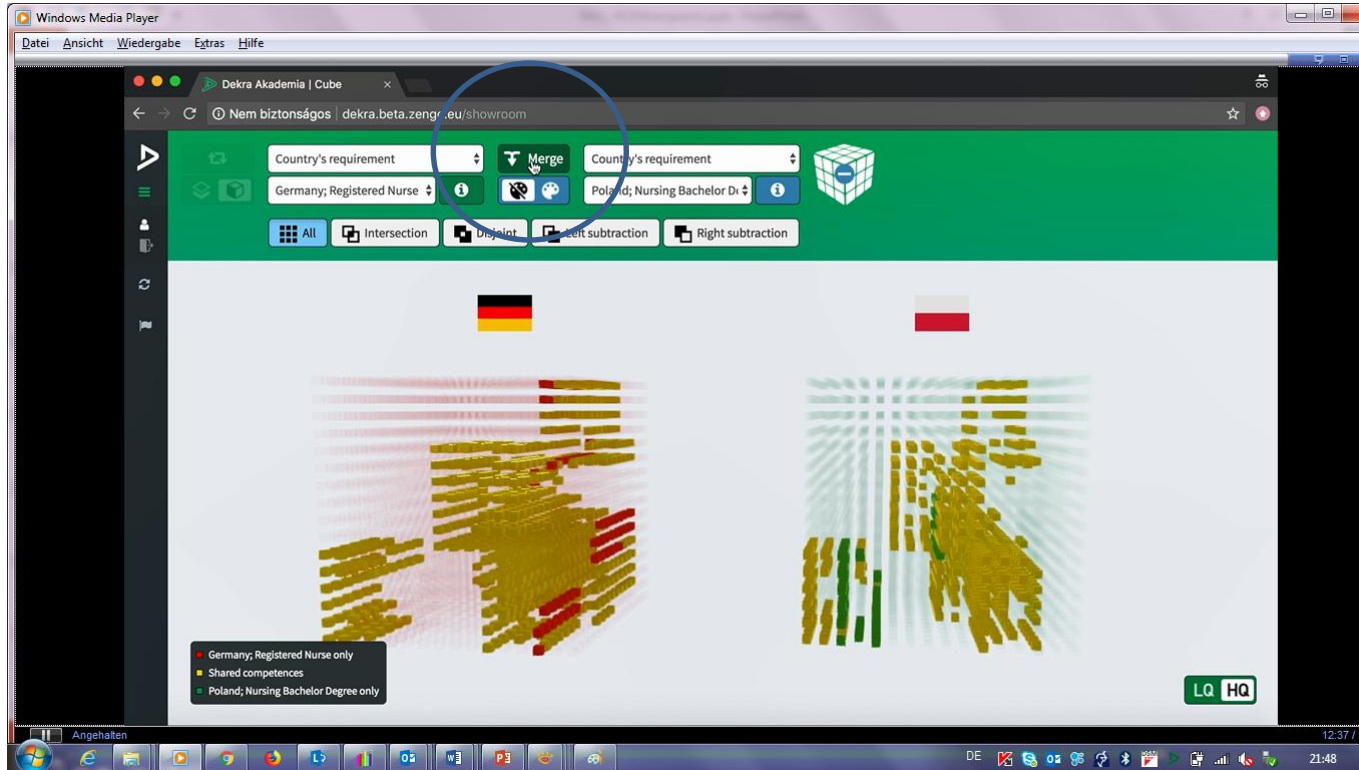
# Country comparison

The screenshot shows the Dekra Akademie | Cube web application. The browser address bar displays "Nem biztonságos | dekra.beta.zengo.eu/showroom". The interface features a green header with a search bar containing "Country's requirement" and a "Merge" button. Below the header, there are two 3D bar charts representing the comparison of competences between Germany (left) and Poland (right). A blue oval highlights the set operation buttons: "All", "Intersection", "Disjoint", "Left subtraction", and "Right subtraction". A legend at the bottom left identifies the colors: red for "Germany; Registered Nurse only", yellow for "Shared competences", and green for "Poland; Nursing Bachelor Degree only". The system tray at the bottom shows the time as 12:37 / 14:00 and the date as 21:48.

- "All", shows all competences
- "Intersection" calls the disjunctions
  - "Disjoint".
- "Left subtraction" is the only competence in the right set of competences,
- "right subtraction" is the opposite of it, the only competences in the left group



# Country comparison



With the "Merge" button in the middle of the upper menu bar you can combine the two cubes. This may be necessary if one of the missing competence areas is to be examined in two dimensions. After the fusion you can switch back to the three-dimensional view with "Split". In comparison mode you can switch between colour scale and category.



# LQ/HQ

The screenshot shows a web browser window displaying a comparison tool. The browser address bar shows "Nem biztonságos | dekra.beta.zengo.eu/showroom". The page has a green header with a "Merge" button and dropdown menus for "Country's requirement", "Germany; Registered Nurse", and "Poland; Nursing Bachelor D...". Below the header are buttons for "All", "Intersection", "Disjoint", "Left subtraction", and "Right subtraction". The main content area features two sets of horizontal bars representing requirements, with a German flag on the left and a Polish flag on the right. A legend in the bottom left corner lists: "Germany; Registered Nurse only" (red), "Shared competences" (yellow), and "Poland; Nursing Bachelor Degree only" (green). A legend key in the bottom right corner shows "LQ" and "HQ" in a green box, which is circled in blue.

LQ / HQ key in the lower right corner of the screen.



# THANK YOU!

**[www.project-hceu.eu](http://www.project-hceu.eu)**

Fostering transparency and recognition of prior learning within geographical mobility of professionals in the healthcare sector



*The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein.*

