

Future Classroom Ambassadors

ACTIVITY DIGEST

Issue #20, December 2022

In this last digest for the year 2022 the FCL Lead Ambassadors share with you the highlights of the activities of this period.

We are also happy to share the [2023 FCL Brochure](#) created by the Future Classroom Team at European Schoolnet.

On the picture on the right, you see some of the FCL Lead Ambassadors taking part at the Eminent conference in Dublin. Together with the other participants they discussed the use of data in education and how it can have a positive impact.

Have a nice winter break!



BELGIUM

FCL Open Day 2022

On Monday, 24 October 2022, the Future Classroom Lab of Brussels welcomed principals and ICT coordinators from primary and secondary education. A large number of enthusiastic education professionals attended various workshops and lectures. The organization of the event reflected the principles of FCL's learning zones.

The FCL Open Day started with a presentation on the design of the 6 learning zones in the space. Following that, the participants were free to attend the many workshops, lectures and presentations based on their personal choices. In doing so, participants were not restricted to a time slot, creating an informal atmosphere. The characteristics of each learning zone led to a wide range of activities from which the attendees could choose and enjoy. To fill the various spaces, there was room for best practices, EdTech partners, eTwinning and several workshops by the staff of the Flemish Department of Education and Training. Of course, the participants were also introduced to the technological equipment available at the FCL.

Starting with the primary education in the morning, the directors and ICT coordinators from secondary education followed in the afternoon. The schedule was similar to the first session; the participants explored the various zones and examined inspiring examples specific to the education level of their schools.

During the Open Day, adequate space and time was created for networking, so that participants could inspire each other.

Have a look at this [After video](#) of the Open FCL Day.



CZECH REPUBLIC

Schoolink Conference

In November 2022 the Schoolink conference took place in Ostrava, a city in the North of Czech Republic. The programme focused on the education of pupils aged 3-11. The conference was primarily aimed at teachers, principals and founders of kindergartens and primary schools. However, it was also open to other interested organisations and institutions active in the field of international school cooperation and teacher education. The conference offered a space for sharing information and exchanging experiences. Presentations by keynote speakers were complemented by a series of practical workshops. The conference was organised by the *Czech National Agency for*



DENMARK

Building Innovative Learning Spaces in Denmark

Future Classroom Lab DK has been a beacon for developing views on innovative learning environments for almost 10 years. Schools and University Colleges have come up with their own prototypes on how we can use the physical space as a catalyst for pedagogical change.

FCL DK has provided different views on how makerspaces can be an active maker- and tinkering oriented place for the kids and not just fancy machinery. Currently over 60 schools have access to a makerspace and over half of all municipalities are working actively with makerspace and learning labs in a perspective that involves both technology comprehension and digital citizenship. The *Playful Learning* program has been a key partner in working with innovative learning possibilities and now every university college has a PlayLab for experimenting with playful approaches to teacher training. Furthermore, the project *Play@Heart* which is a part of Playful Learning is working with 12 schools across Denmark in a development project to look at and experiment with what playful ways to technology comprehension mean. For that purpose, these schools have designed different PlayLabs where they experiment with playful approaches technology comprehension.



FINLAND

Something New into Old Buildings

Before Christmas holidays it's good to have a look at the hometown of Santa Claus. At the FCL of the training school of the *University of Lapland* in Rovaniemi the school year has started in a renovated learning landscape. Old facilities were renovated according to the FCL ideology and to serve team teaching and active learning. It is ecological and in line with sustainable development to also think about such models where new spaces are being built into old buildings. However physical facilities alone are not enough. Successful change also requires a common vision and willpower.

The new spaces provide good information and experiences for the future development of the learning environment and the possible step-by-step renovation of the Rovaniemi based school's premises towards an even more communal and learner-oriented environment than before. In addition, the facilities support the school's primary goal as a provincial development laboratory for learning and teaching. Through teaching internships, it is possible to give students even more versatile models of how learning can be guided now and in the future.



FRANCE

Ten Years Anniversary of FCL

On Wednesday, November 30, during the *Educattech Exhibition*, the French network celebrated the 10th anniversary of the FCL during a workshop on 21st century skills.

The workshop consisted of three parts: a historical presentation of the FCL and its deployment at the French level, an update on the research with *Elodie Hyppolite*, doctoral student in education sciences, and the workshop itself, during which the participants were invited to reflect on concrete implementations of the 21st century skills. The French network would like to develop a tool for the implementation of these competences, based on the indicators and descriptors produced by the universities, and using levers and tools that are implemented in the classroom.

A joyful moment of exchange and sharing!



HUNGARY

E-sport in the service of higher education in Hungary

Nowadays E-Sports becomes increasingly popular especially among younger generations. The E-Sport Centre of the *University of Debrecen* opened in November 2022 in Hungary, which is the only one of its kind in the country.



This unique e-sport facility is primarily used for educational purposes and supports the training and learning objectives of the Faculties of Informatics, Economics and Engineering of the University. It is the largest in the country with its 330 square meters area and can be used by up to a hundred people at a time. The centre is equipped with the most modern, state-of-the-art technology. These computers with very powerful graphics cards can handle various kinds and of high technological level educational tasks, i.e., working with advanced artificial intelligence-based models.



The *University of Debrecen* is one of the strongholds of Hungarian e-sports, on the one hand because of its DEAC-Hackers division (which is the e-sport division of the Athletics Club in Debrecen), and on the other hand because of its excellent scientific research, which conducts a comprehensive study on e-sports.

The main motivation of the DEAC-Hackers e-sports department is:

- to explore the links between university sports life, competitive sports, interdisciplinary university research and the electronic games and the gaming culture,
- to better understand the social and economic power of electronic games and to push the boundaries of the field,
- to explore, accumulate and systematise the knowledge in this field.

This will require the organisation of gaming communities of different sizes and performance levels in a wide variety of game types, the creation and maintenance of competitive e-sports teams, the knowledge-oriented support and reflective analysis of their performance, talent scouting and talent management in the region, and globally “brain-tracking” to DEAC-Hackers at the university.

ISRAEL

The Immersive Learning Experience - Beta

Searching for ways to adapt and update the learning experience for an unknown future we started exploring the field of the immersive learning experience about a year ago. Since then, we are involved in 2 models of immersive learning experience: one in partnership with *Intel* called XR Dome based on a geodesic dome and the other is a 3-wall space – an immersive interactive space. Both models are fully immersive experiences – room-based type as defined in the review Exploring immersive learning experiences (Kuhail, M.A.; ElSayary, A.; Farooq, S.; Alghamdi, A. Informatics, 2022).



Immersive technologies have been shown to significantly improve learning as they can simplify and simulate complicated concepts in various fields. The XR Dome Experience is an Intel global pilot programme, a technological community project in collaboration with the *Petah Tikva Municipality* and the *Ministry of Education* and *Beta School*. Intel is sponsoring the 2024 Olympics and with the aim of promoting the values of the Olympic spirit the pilot was launched. The dome illustrates how advanced technologies are made accessible and create a new learning and creative experience. The imagine Box is an interactive discovery space for building life skills for the future. The room (3 walls) include 4 advanced technologies and aim to provide students with a more active, relevant and engage learning experience.

The Imagine Box is in *Brener Middle School* in Petah Tikva and the teaching staff is already undergoing professional development to integrate the new platform into their teaching. The immersive learning experience power lies in its ability to visualize abstract concepts and engage them with a realistic experience, and to help students develop special skills that are much harder to attain with traditional pedagogical resource not only in the content areas, but also in the emotional and social areas.

MALTA

Creative Learning Spaces project at St Margaret College Senglea Primary School

St Margaret College Senglea, primary school in Malta launched a new and innovative *Digital Learning Spaces* classroom programme for the school. The rationale behind the Creative Learning Spaces project is for students to take an active role in their own learning journey and become digital publishers by availing themselves of the tools available in our school. The tools available in the Creative Learning Spaces within the school focus on computational thinking, coding, green screen and 3D printing. The school endeavours to provide a holistic learning journey to their students where they can experiment, research, apply, evaluate, and modify their projects. This project encompasses the school vision to foster a growth mindset among educators while focusing on sustainable education as outlined in the school development plans.



NORWAY

Conferences in Tromsø and Trondheim

The Norwegian FCL took part in the Conference in Tromsø (23-25 November) on how to use commercial computer games in teaching and education.

The upcoming months, the Norwegian FCL team will be also involved in the [National Conference](#) on the use of ICT in teaching and education that will take place in Trondheim (10-12 May 2023).

Additionally, FCL Norway is planning the next meeting for the European FCL-ambassadors in the coming spring of 2023. The FCL advisory committee in Norway will make an announcement early 2023 where the event will take place.



PORTUGAL

Promoting Active Learning

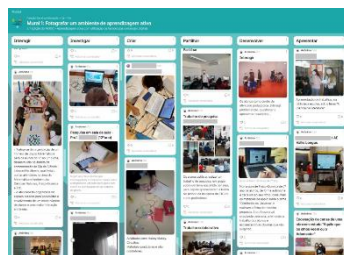
Always committed to the promotion of pedagogical innovation, the FCL Ambassadors proceed with their efforts in the expansion of active methodologies through the use of digital technologies. In order to carry out this goal a variety of teacher training initiatives have been implemented in various categories: a MOOC, workshops, sharing and dissemination sessions, and many more.

Strengthening of Local Support Networks and Collaboration with the Digital Ambassadors

At the same time, FCL ambassadors have been contributing to the strengthening of local support networks for schools, working with teachers and collaborating with the Digital Ambassadors allocated to the School Association Training Centres throughout the country.

Over the last three years the initiatives carried out by the FCL Ambassadors have been supporting the expansion of the Digital Coursebooks Pilot Project which in the current school year (2022/2023) has engaged 68 schools, 575 classes, in a total of 11,443 students and 2,254 teachers.

This dynamic has been assisted by the implementation of the Schools' Digitalisation Action Plan, which has provided equipment and connectivity to students and teachers, and whose main goal is to make full use of the educational value of digital technology to foster more and better learning.



SLOVAKIA

Participation in the Conference Učíme pre život (We teach for life)

From 4 to 6 November 2022, the 13th year of the nationwide conference “We teach for life” was held. It is primarily intended for teachers and school leaders. However, it is also open to representatives of the professional public or students of pedagogical fields. The conference offered a number of valuable contributions and topics. Future Classroom Lab BESST contributed with several lectures and workshops. One of them was the workshop "How to create your own Future Classroom Lab and teach differently".



SPAIN

New FCL in the Spanish FCL Network for Teacher Training

On the 11th of October, the *Spanish Ministry of Education*, along with the regional *Educational Administration* in La Rioja and the *Industry Partners* launched the new *Aula del Futuro* for teacher training that the educational community in La Rioja will benefit from now on. New similar spaces are in progress and will be launched in the coming weeks in other regions.



Promotion and dissemination events

The *International Exhibition of Educational Technology and Innovation, SIMO Educación 2022*, was organized by IFEMA in Madrid last November. On the 22nd of November, a presentation of the FCL project in Spain was offered to a large audience.

Also in November, a workshop about the project was included in #EduDigIB Conference in Palma de Mallorca on the 5th of November. More than 50 teachers attended and showed interest in the methodological and practical approach of the project. Similarly, the blended courses *Aula del Futuro 2022*, that have included a face-to-face phase in INTEF and the implementation with students of FCL learning activities, finished last November. All in all 267 out of 274 teachers have completed their training and practiced with their students.

Online Training

INTEF has developed the [fourth edition of the online course Aula del Futuro](#), to help teachers explore and learn about the FCL Toolkit. More than 400 teachers have participated in the course for 2 months. Along with this tutored course, *INTEF* has also developed the second edition of the NOOC "[Diseña situaciones de aprendizaje para el aula del futuro \(Design FCL Learning Scenarios\)](#)" from 5-14 October and the NOOC "[Crea actividades para el Aula del Futuro \(Design FCL learning activities\)](#)" from 2-11 November. Both second editions of these NOOCs had been a great success of participation and results.

Regional FCL Training

Castilla y Leon has launched the training "[Design the Future Classroom Lab](#)". The main objective behind this training is to provide educators the main tools offered by the Toolkit as well as the main trends in methodology, technology and how to manage different spaces so those are used for learning to happen. Along with the process they will learn about other schools' experiences and expand their knowledge.

Comunidad de Madrid launched the blended training "[New learning scenarios: Future Classroom Lab](#)" which took place from 7-23 November. Five different face to face sessions combined with online training in which a general view and practice was offered about the project, toolkit besides learning and practice scenarios were offered.

Andalucia in its training "[Design the Future Classroom Lab and join the challenge](#)" offered a blended training divided in four different learning blocks. Within the first



block a wide point of view about the project, its beginnings and main objectives are offered. Along the second block, different opportunities to explore and experience the various learning zones were offered to the participants. By the end of the two last blocks of training, educators were able to design and present their own future classroom lab and school implementation project. This course is the first of a series of training actions.

Extremadura as part of a number of actions planned in order to offer an extended program based on the Future Classroom Lab project within this course year, started “Training for new FCL coordinators” on the 3rd of November, a blended training course that will be held in the upcoming months, on the 24th of May. More training actions: “FCL: Design and planning of learning scenarios”.

La Rioja “Future Classroom Lab: Active learning methodologies and innovative learning spaces” blended training course started on the 25th of November and will be extended up to the 20th of December and involves a complete guide for the FCL implementation and the use of different methodologies as essential part of the project. “A quick introduction to Augmented Reality in the FCL” offered an immersive experience in which a vast range of activities, experiences and main considerations were presented as a stepping-stone for introducing these experiences in the classroom.

Castilla la Mancha organized the Aula del Futuro Conference (11 November) at *Cuenca University* premises as an opportunity to offer a theoretical and legislative framework for the project and also different hands-on activities to explore and experience different learning and teaching scenarios. Moreover, this region has recently published a call in order to enable the [selection of schools](#) to take part in the training and innovation project of Castilla La-Mancha.



TÜRKIYE

Workshops

Future Classroom Lab in Türkiye supported *Ministry of National Education's* national initiatives to implement technology-enhanced practices in math education. In September 2022, a three-day workshop was held in Ankara with the participation of 100 teachers. The same workshop was organized in Bursa (7-9 November) with 100 teachers, and it is going to be organized in 12-14 December in Gaziantep. In total, 220 teachers attended these three-day theoretical training and practical workshop sessions. During the workshop, the teachers attended sessions on designing innovative learning environments, using technology with active learning practices and developing learning scenarios for effective math education.



Math Education in Innovative Learning Environments

Three guidebooks were prepared for teachers on learning Mathematics in flexible classrooms with interdisciplinary and active learning pedagogies and technology integration.

Online Course for Teachers

Lastly, *Design FILS* online teacher training course was rerun during October and November 2022. This was a six-week online professional development course for teachers who would like to develop their knowledge and competences on building innovative learning spaces in their schools and transforming their teaching practice with more technology integration, innovative pedagogies and learning scenarios. In total, approximately 1800 teachers registered in the course. The online asynchronous activities were supported with online or face-to-face live sessions for teachers by the trainers from different provinces of Turkey, who provided guidance and pedagogical support throughout the course.