











10 - 13 Aprilie 2023, Timișoara

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Eveniment aflat sub înaltul patronaj al Presedintelui României













EDUverse: Explorarea Ecosistemelor Imersive ca Inovație EdTech

EUt+VERSE Campus VR pentru Universitatea Europeană de Tehnologie

S.L. Dr. Ing. Aurelia Ciupe



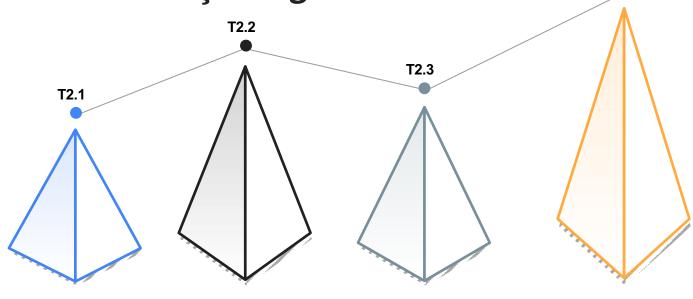




Smart Diaspora univ-tech.eu 2023



EUt+ WP2: Europa pentru toți: Incluziune și integrare



T2.1 Progres multicultural și multilingvistic.

T2.2 Accesibilitate deschisă : o populație a studenților reprezentativă pentru populația generală

T2.3 Un vector al egalității

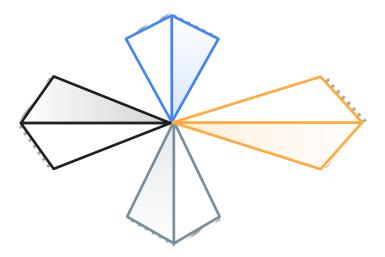
T2.4 Interconectarea teritoriilor și a cetățenilor: Angajament Civic (CE), al Industriei și al Angajatorului (IEE).

T2.4



EUt+verse: Viziune Campus xR pentru EUt+

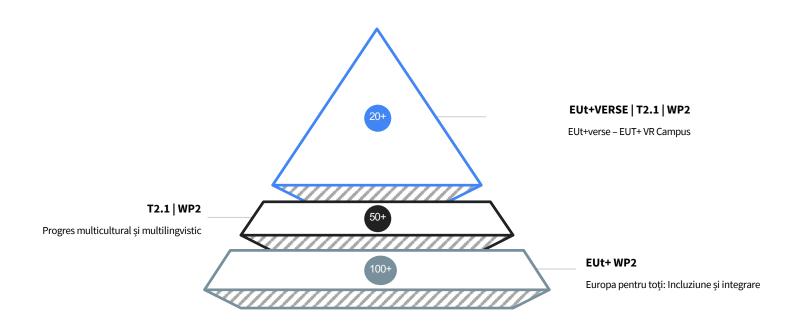
T2.1 Progres multicultural și multilingvistic



oferă o experiență interactivă 3D pentru un campus distribuit elimină barierele interacțiunii fizice prin interacțiune menită să faciliteze mobilități virtuale facilitează interacțiunea în scenarii de învățare și acces interactiv la resurse educaționale promovează comunicare și interacțiune cross/pluriculturală și incluzivă, bazată pe principii EDI și UDL

EUT+verse

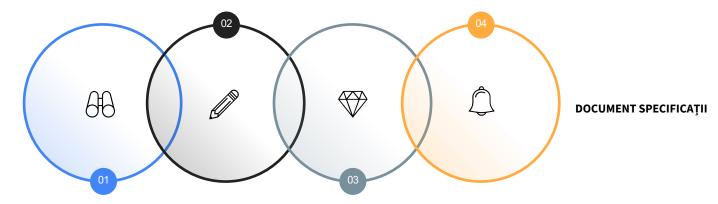
Echipa EUt+verse



Smart Specificaţii EUt+verse 2023 Specificaţii

Scenarii utilizator Colectare, elicitare, estimare, prioritizare

AGILE SCRUM | MoSKoW etc



DOCUMENT DE VIZIUNE

Poziționare produs și problematică | Sumar capabilități | Profilare utilizatori și actori | Arhitectură high-level

RUP

ANALIZA PIEŢEI

Selecția candidaților Discuții posibili furnizori de soluție Mapare furnizori de soluții

EUt+VERSE SPECS

Smart Diaspora 2023

Timeline EUt+verse specs

ianuarie – februarie 2022

septembrie - decembrie 2021

mai - septembrie 2021

Analiza, elicitarea și prioritizarea specificațiilor EUt+verse

Definirea specificațiilor EUt+verse

Analiza pieței: furnizori soluții XR, la nivel EU

aprilie 2021

cultural





EUROPEAN UNIVERSITY OF TECHNOLOGY



EUt+VERSE VR SAMPLE USER STORIES

EUt general world design

US46.8a a student, with a visual disability, I would like to be able to access the virtual campus and have a voice over to guide me, and also to can adapting the volume to my needs and the speed of expression.

Audio communication

(Audio) communication

And to promote professional networking

(Audio) communication

US47.As a user (student, teacher, admin) I would like to be able to express myself incl. voice2. writing through a local chat3. writing in a private chat with another individual user or group4. writing on objects in the environment

(Audio) communication

US48.As a user (student, teacher, admin) I would like to be able to communicate in voice with others in a private group voice chat.(anonymous)

(Audio) communication

US49. As a student, with a visual disability, I would like to be able to access the virtual campus and have a voice over to guide me, and also to can adapting the volume to my needs and the speed of expression.

EUT+ 3D Campus representation

University 3D campus representation

USSO.As a student I want to access the Campus floor plan, so that I can navigate to a particular room

Multi-user synchronization and network communication

Multi-user synchronization and network communication

USSLAs a user I would like to be able to join a group and receive/send private msgs from/to group participants.

User profile information

User profile information

USS2. As a user, I want the platform to adhere to the GDPR rules and have the platform Privacy Policy clearly accessible.

User profile information

US53.As a user, I don't want my personal details to be retained by the platform.

EUt & Campus reception - information about the university, leaflets

EUt & Campus reception - information about the university, leaflets

Information classified by themes, such as courses, languages, leisure, subjects, chats, etc.

Requires rescriting - AURELIA CIUPE

Proposed rescriting: USS4.As a user I want easy access to courses and activities offered in the platform, either via a dedicated url or in the platform itself. — SUSANNA NOCCH

EUt & Campus reception - information about the university, leaflets

Accessibility (helping users transitioning into and out of VR. Having a waiting room type of system to prepare them going into VR and getting out of it)

US22. As a person with visual disability I want to be able to get audio cues and directions while using the XR platform

seems very similar to card in "Integration with the general EUt database / administration system"

Accessibility (helping users transitioning into and out of VR. Having a waiting room type of system to prepare them going into VR and getting out of it)

US24.As a service worker, or a professor in the university community, I would like to be more inclusive and be able to serve anyone who needs it, thus providing me with the necessary tools to provide the appropriate service to those people.

Accessibility (helping users transitioning into and out of VR. Having a waiting room type of system to prepare them going into VR and getting out of it)

US25.As a person with hearing disability I want to have transcription of what people are saying in a meeting

Meeting rooms - created by teachers

Meeting rooms - created by teachers

US26.As a teacher I want to be able to customise the 'room' I'm using depending on my needs (for meetings, classes, experiences)

Meeting rooms - created by teachers

US27.As a teacher I want to have a room to discuss issues such as students courses or pedagogy with other teachers from other campus'

Meeting rooms - created by teachers

US28.As a student I want to have access a meeting room, so that I can have a private talk with another colleague

Meeting rooms - created by students

US29. As a student I want to have access a meeting room, so that I can have a private talk with another colleague

Meeting rooms - created by students

US30.As a user (student/teacher) I can book a meeting room.

Meeting rooms - created by students

US31. As a student society, we would like to propose an event to our EUt+ fellow students and therefore have some control over the settings of the room we need for our event

Movement

MOVEMENT

US32. As a user (teach, stud, admin) I want to be able to teleport to other spaces within the environment.

MOVEMENT

US33. As a user (teacher, student, admin) I want to have easy movement around the environment, whether I am accessing it via desktop/portable device or via HMD. The learning curve should not be steep.

NEW - Feedback on learning/cultural experience (anonymous)













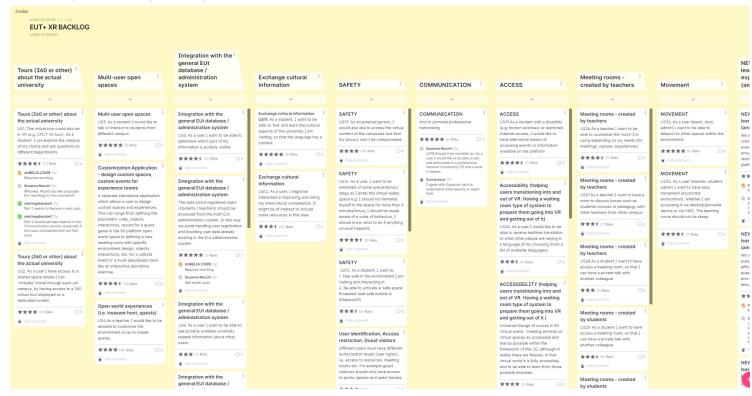




Specificații EUt+verse

4 Teme | 30+ subteme | 100 + User Stories | 20 User Stories prioritizate

COMUNICARE | ACCESIBILITARE | VR WORLD | EDUCATION SPACE



Mapare furnizor soluții xR



Potențiali furnizori

Selecție a 33 posibili furnizori xR din 100+ furnizori candidați, în baza portofoliilor VR/xR/MR



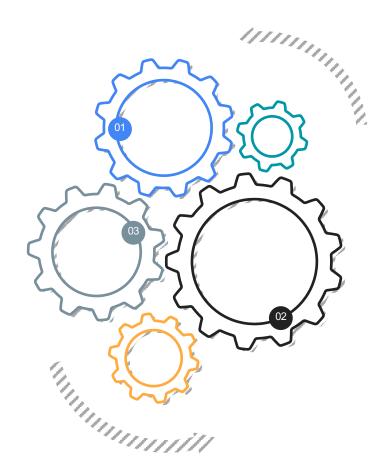
Discuții furnizori (Discovery calls)

13 posibili furnizori de soluție cu HQ în 9 state UE

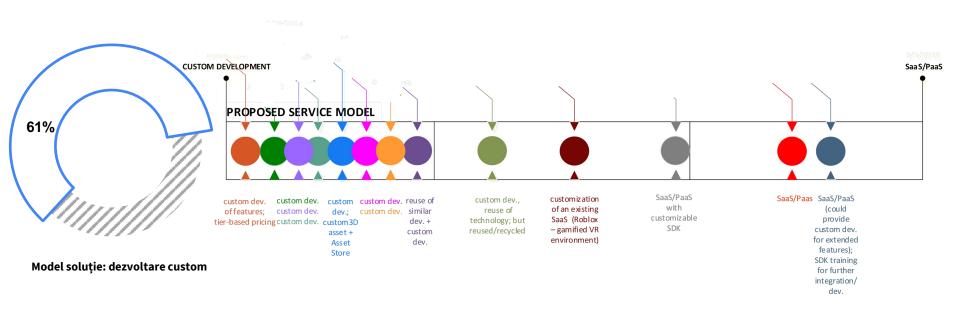


Mapare furnizori soluții

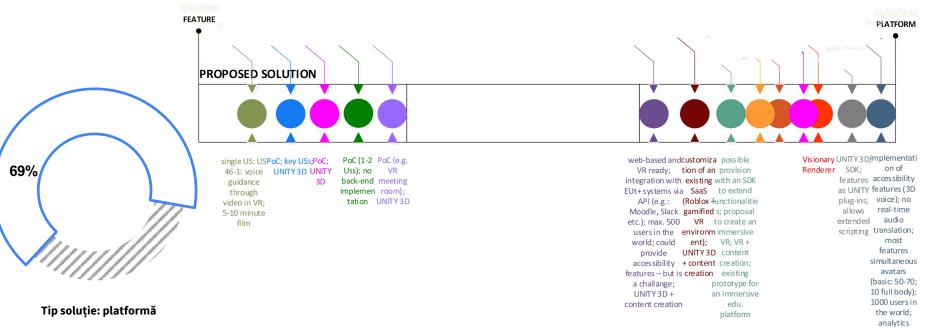
5 criterii: model serviciu | soluție propusă | maturitate pe piață | inovație | estimări cost



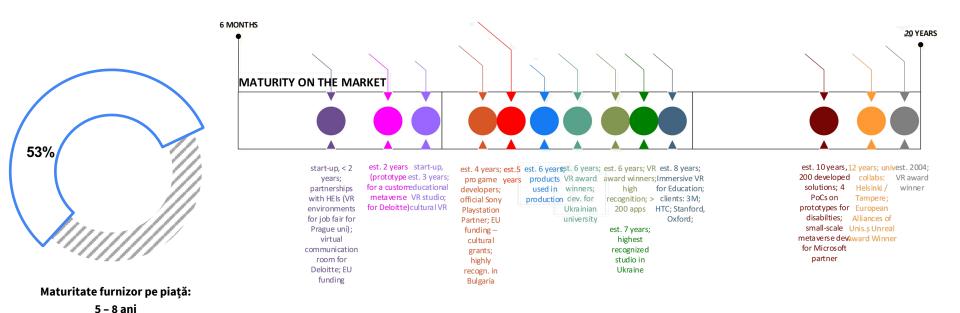
Mapare furnizori xR: Model serviciu



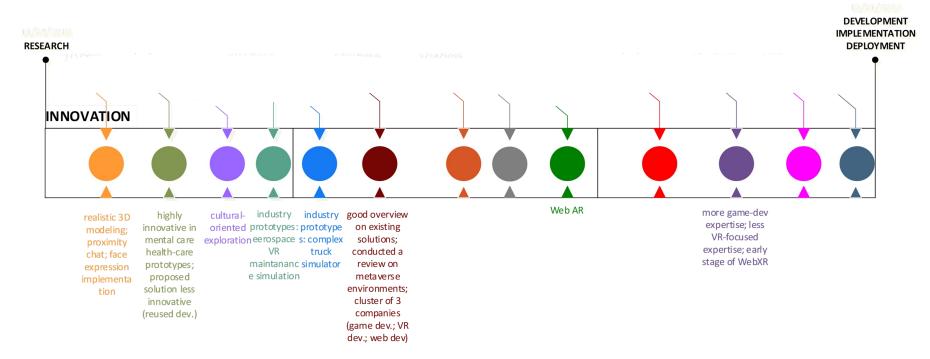
Mapare furnizori xR: Tip de soluţie



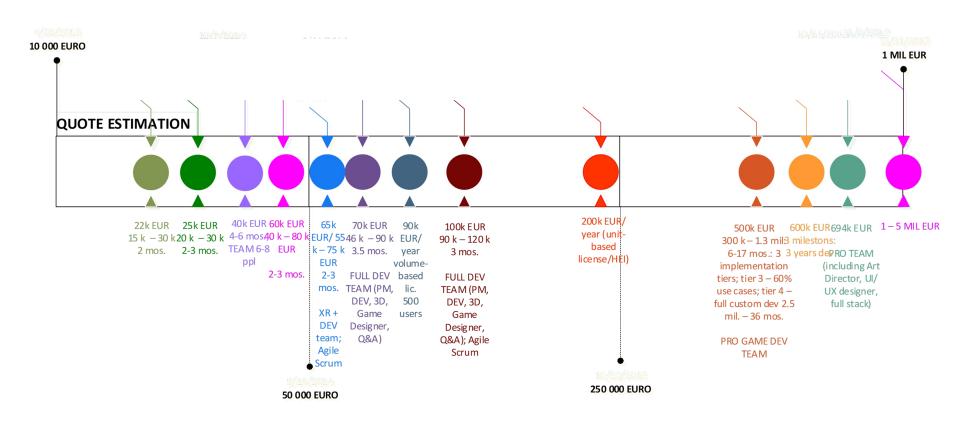
Mapare furnizori xR: Maturitatea pe piață



Mapare furnizori xR: Inovație



Mapare furnizori xR: Quota



Activități și diseminare

- EUt+ verse: Reinforcing a pan-European immersive EdTech ecosystem for innovation and digital breakthroughs (DIGITAL-2022-SKILLS-02-INNOVATE-EDU)
- Immersive Learning Research Network 2022:
 EUt+verse Demo Huddle
- A. Ciupe, S. Munteanu, A. Parmaxi, A. Nicolaou, O. Gabaudan, S. Nocchi, A. Schalk, B. Orza, C. Campian, C. Maraciuc, "From Speaking Skills to Virtual Mobilities: Challenges of VR Technologies in Communication, From the European University of Technology", 2023 IEEE Global Engineering Education Conference
- VR pilots in education in each HEI: mobilități virtuale, acces resurse educaționale, EFL, comunicare în medii VR













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