

EASIER Project presentation

European Knowledge Alliance for innovative education of
Surgical and Interventional skills

588404-EPP-1-2017-1-ES-EPPKA2-KA



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of the European Union

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➤ Nontechnical skills

➤ MISTELA Pedagogical Model

➤ *Setting and assessing learning outcomes*

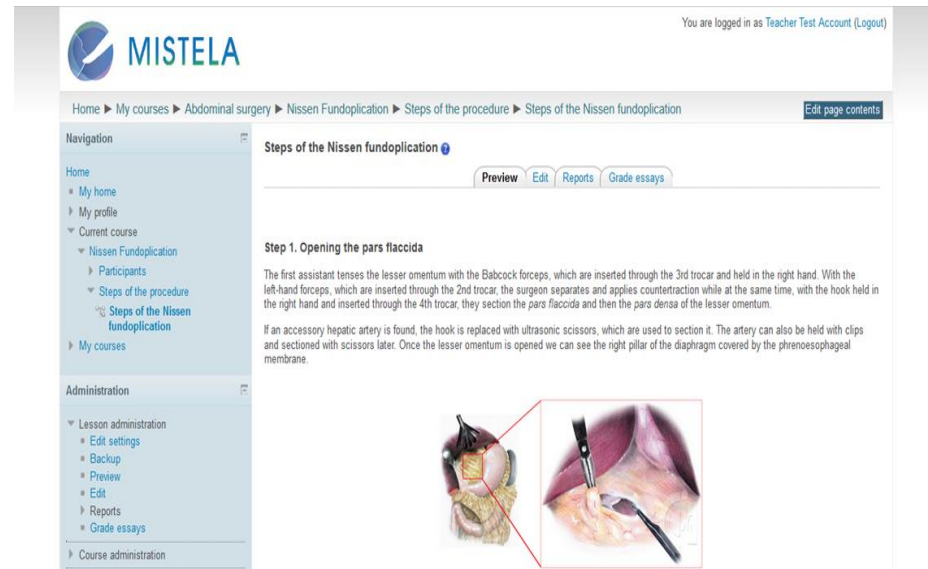
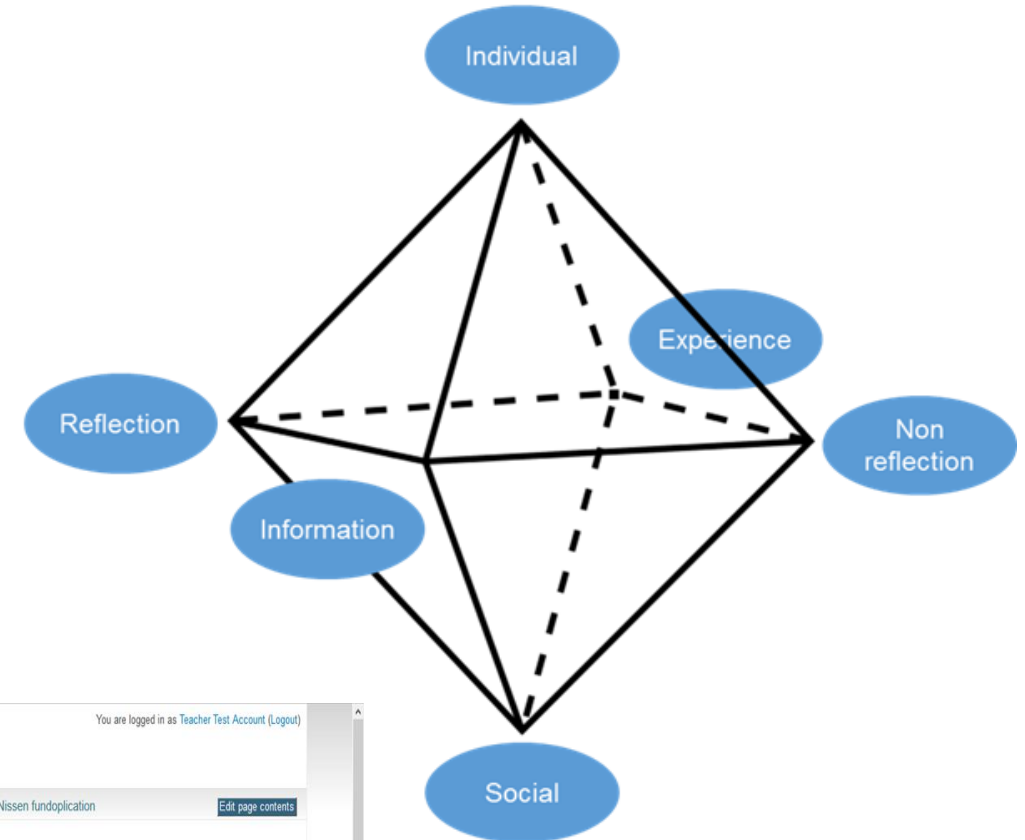
➤ *Planning activities*

➤ *Flexibility*

➤ MISTELA TEL Solution

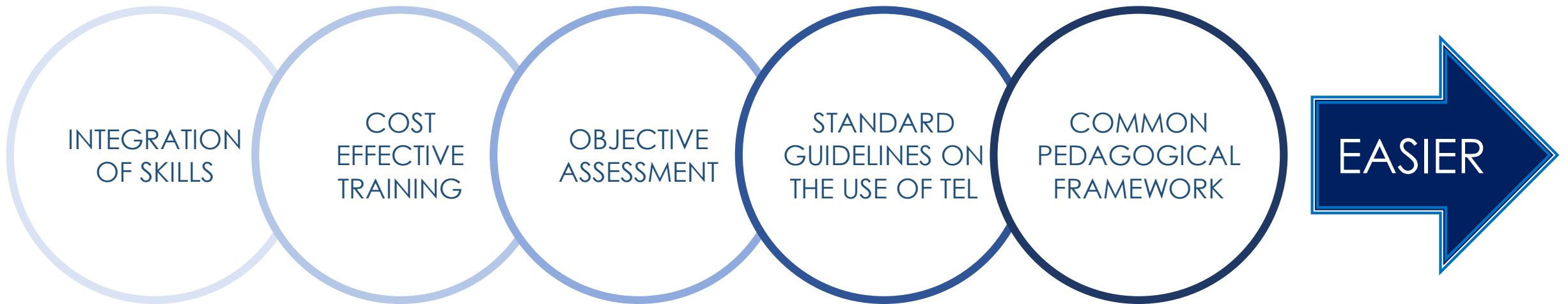
➤ *Moodle based LMS*

➤ *Authoring Tool*



Motivations

An efficient use of Technology Enhanced Learning in MIS training can **help to improve the learning processes**

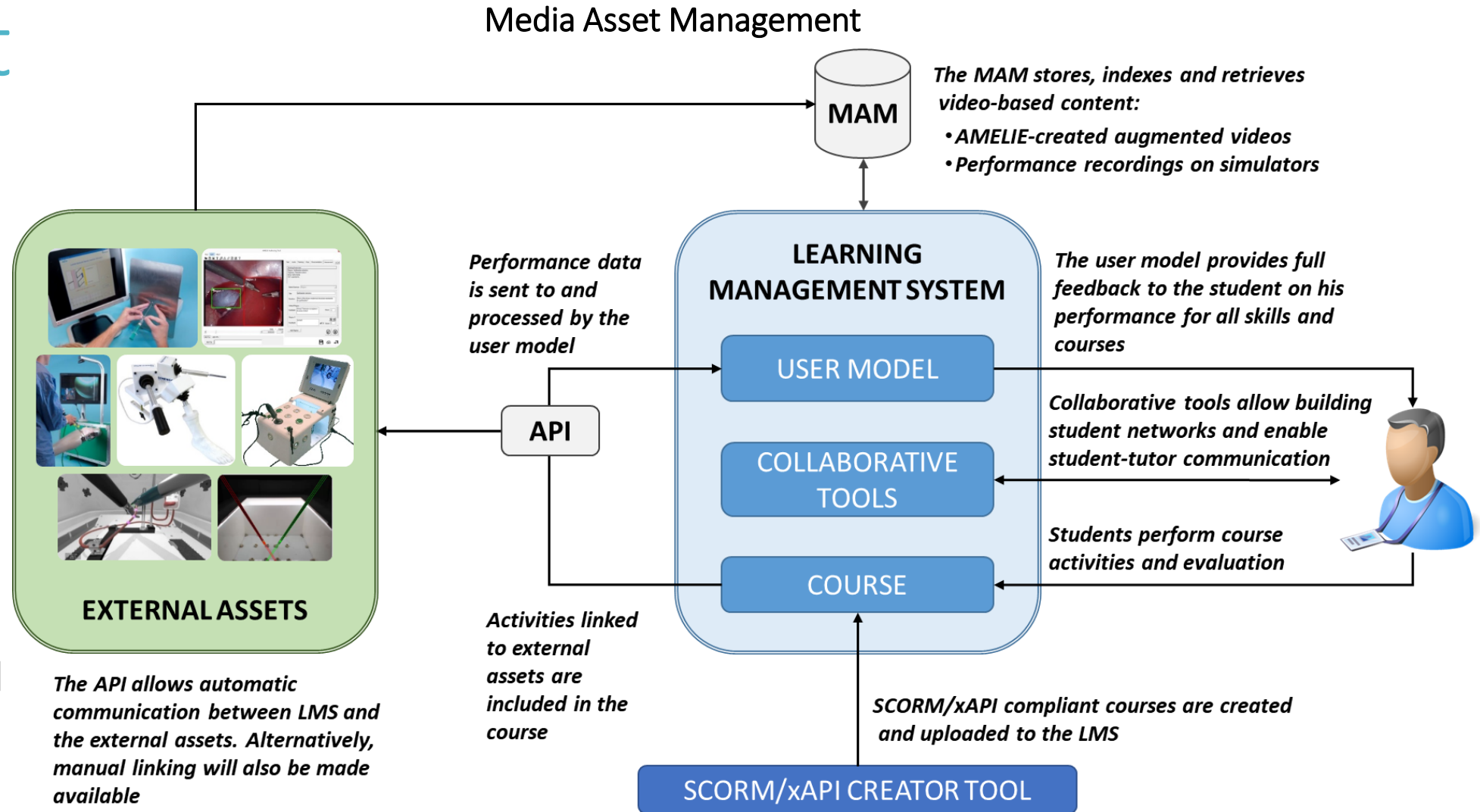


Goals

To build an **integrative Learning Management System (LMS)** with the potential to **connect heterogeneous TEL assets** scaffolded by an expanded MISTELA pedagogical model



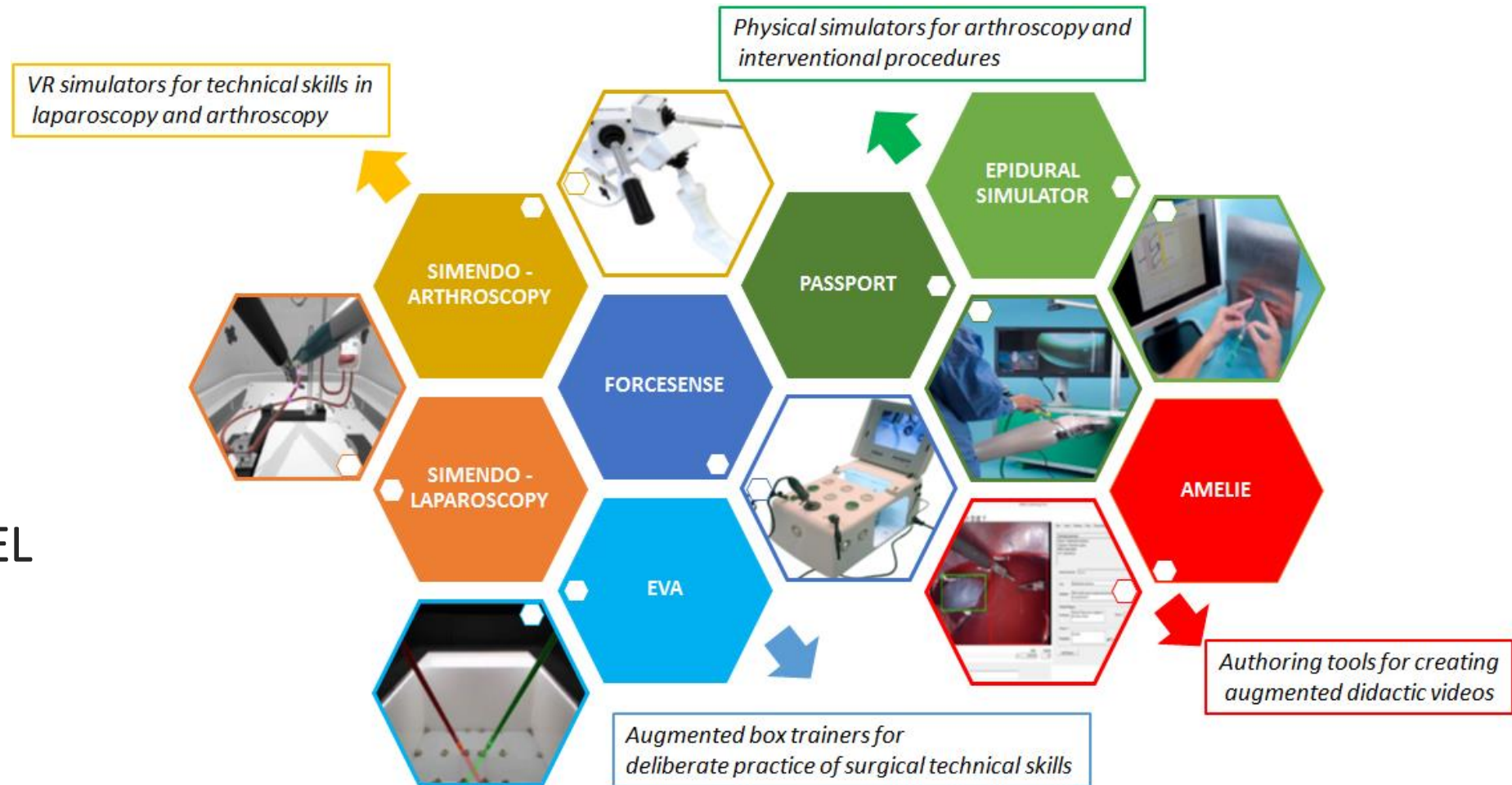
Concept



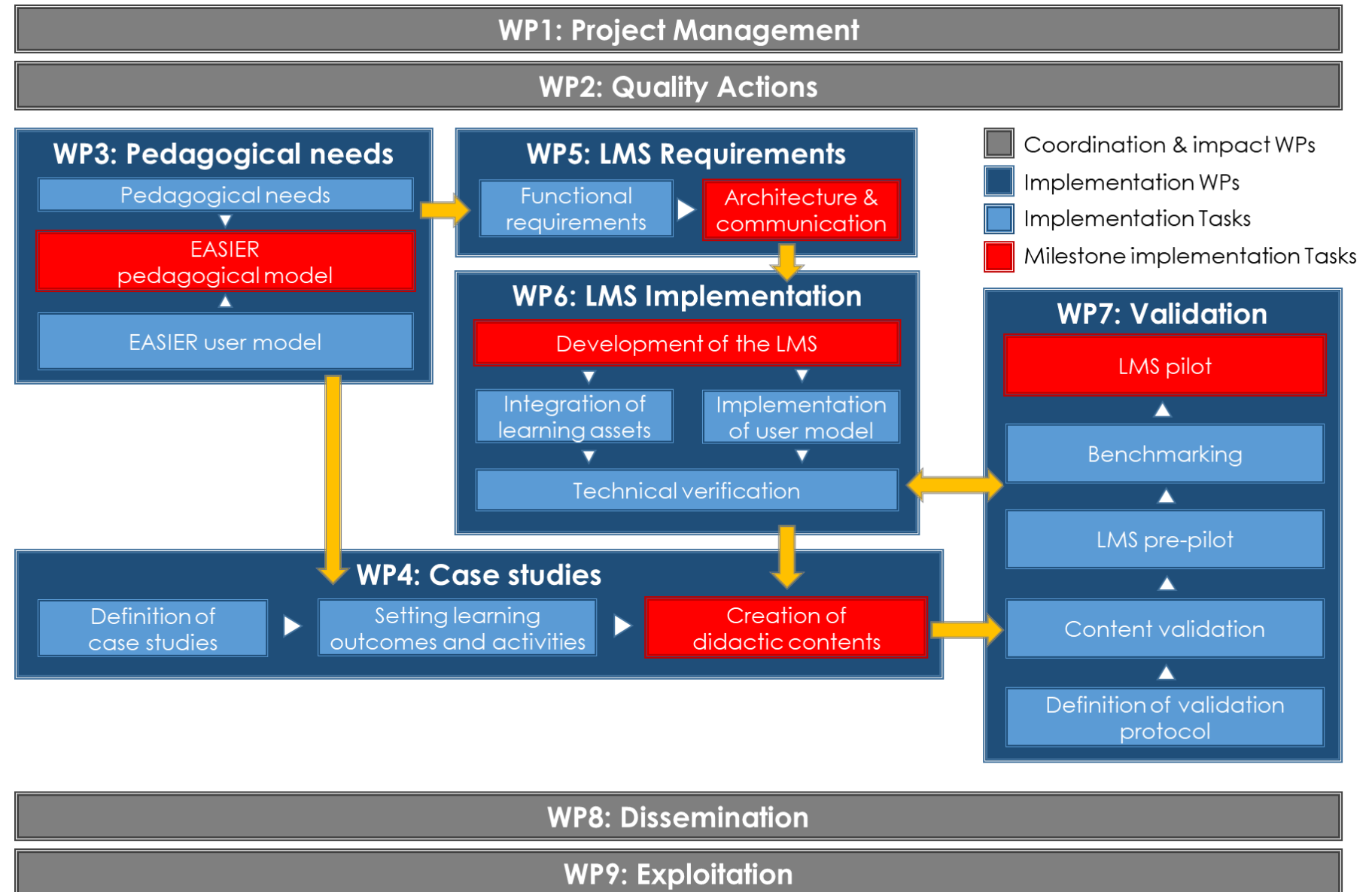
IMPLEMENTATION OF TEL BASED CURRICULAR PATHWAYS

Concept

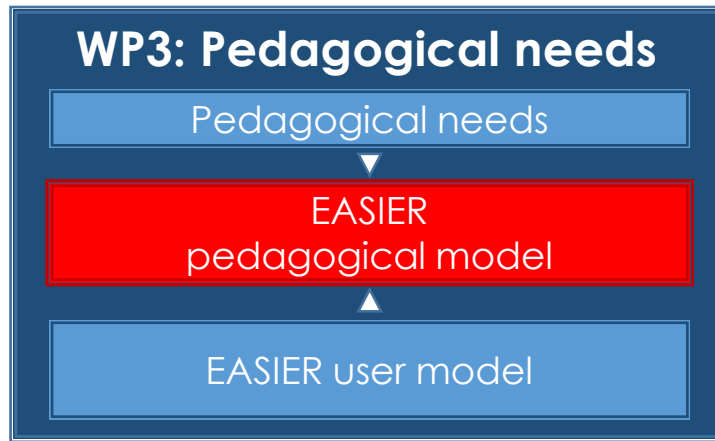
INTEGRATION OF TEL ASSETS FOR TECHNICAL AND NONTECHNICAL SKILLS' TRAINING



Overview



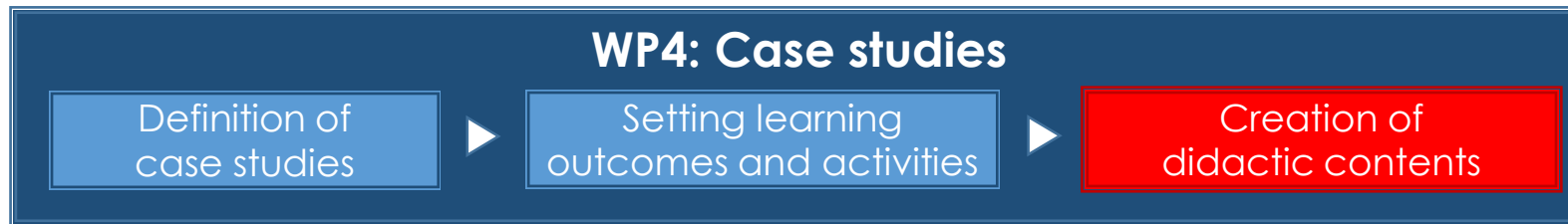
WP3 Pedagogical needs (TUDELFT)



“The goal of this WP will be the layout of the pedagogical roadmap of the EASIER project.”

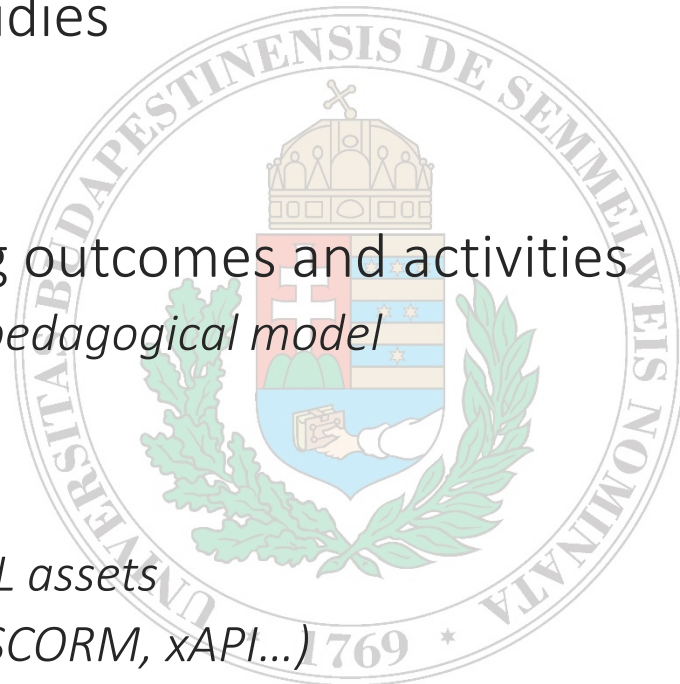
- Expansion of the MISTELA pedagogical model
 - *Surgical and interventional skills*
 - *Technical skills*
- Definition of a user model
 - *Experience*
 - *Availability of learning assets*
 - *Other considerations*

WP4 Case studies (Semmelweis University)



“This WP will identify the case studies, define the necessary learning activities and create didactic contents for EASIER”

- Definition of case studies
 - *Nature & number*
- Definition of learning outcomes and activities
 - *Based on the EASIER pedagogical model*
- Creation of contents
 - *Based on available TEL assets*
 - *Standard-compliant (SCORM, xAPI...)*



M11-M24

WP5 LMS requirements and design (GBT-UPM)

WP5: LMS Requirements

Functional
requirements



Architecture &
communication

“The main goal of this work package is to define the functional and technical requirements of the LMS.”

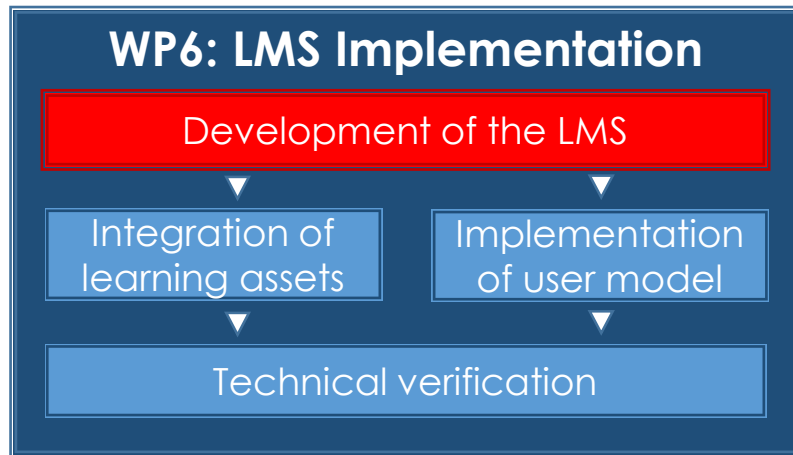
- Definition of the LMS functional and non-functional requirements
 - *Functionalities available and technical specifications*
 - *Compliant with the pedagogical model*
- Design of assessment module
 - *Based on user model*
 - *Data visualization and interpretation*
- Selection of Course Creation Compliancy Standards
- Definition of architecture and communication protocols
 - *Integration of TEL assets*



POLITÉCNICA

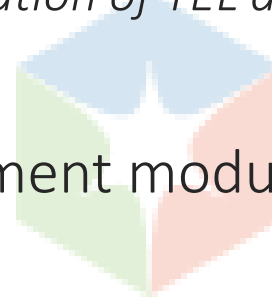
M7-M14

WP6 LMS implementation & integration (CYRIC)



“The main goal of this WP is the implementation of the LMS.”

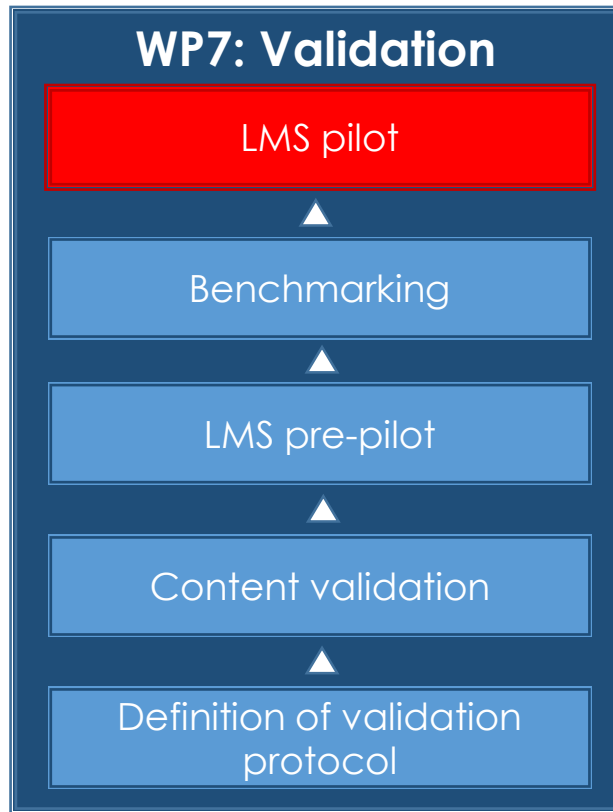
- Implementation of LMS based on Moodle
 - *According to pedagogical model and user model*
- Data transformation web API
 - *Integration of TEL assets*
- Assessment module
- Beta version
 - *Internal validation*
- Final LMS release
 - *Pilot trials*



CYRIC

M11-M30

WP7 Validation (CCMIJU)



➤ Definition of the validation plan

➤ Validation of beta release

➤ *Consortium partners*

➤ Benchmarking against SoA tools

➤ Validation of final release

Centro de Cirugía de Mínima Invasión
Minimally Invasive Surgery Centre

Jesús Usón

“The main objective of this WP is to determine proof and feedback on the developments of the EASIER project through the organization of different trials”

M18-M36

Timeline

[illegible]

Budget

Part III - Project implementation support																				
	Partner			Manager				Teacher/Trainer/Researcher				Technician				Administrative			Total number of days	Grant requested
	Name	Country		Number of days	Unit cost per day	Total cost by category		Number of days	Unit cost per day	Total cost by category		Number of days	Unit cost per day	Total cost by category		Number of days	Unit cost per day	Total cost by category		
P1	EVERIS SPAIN SL	SPAIN	PR	385	197,00	75.845,00		87	164,00	14.268,00		0	122,00	-		31	93,00	2.883,00	503	92.996,00
P2	UNIVERSIDAD POLITECNICA DE MADRID	SPAIN	PR	76	197,00	14.972,00		1038	164,00	170.232,00		0	122,00	-		0	93,00	-	1.114	185.204,00
P3	FUNDACION CENTRO DE CIRUGIA DE MINIMA INVASION JESUS USON	SPAIN	PR	45	197,00	8.865,00		610	164,00	100.040,00		18	122,00	2.196,00		6	93,00	558,00	679	111.659,00
P4	TECHNISCHE UNIVERSITEIT DELFT	NETHERLANDS	PR	72	353,00	25.416,00		400	289,00	115.600,00		0	228,00	-		0	189,00	-	472	141.016,00
P5	MediShield	NETHERLANDS	PR	38	353,00	13.414,00		112	289,00	32.368,00		140	228,00	31.920,00		6	189,00	1.134,00	296	78.836,00
P6	Simendo BV	NETHERLANDS	PR	55	353,00	19.415,00		76	289,00	21.964,00		129	228,00	29.412,00		3	189,00	567,00	263	71.358,00
P7	Fundatia Medis	ROMANIA	PR	186	106,00	19.716,00		465	88,00	40.920,00		165	66,00	10.890,00		57	47,00	2.679,00	873	74.205,00
P8	SEMMELWEIS EGYETEM	HUNGARY	PR	55	106,00	5.830,00		655	88,00	57.640,00		0	66,00	-		6	47,00	282,00	716	63.752,00
P9	CY.R.I.C CYPRUS RESEARCH AND INNOVATION CENTER LTD	CYPRUS	PR	51	197,00	10.047,00		0	164,00	-		562	122,00	68.564,00		196	93,00	18.228,00	809	96.839,00
P10	UNIVERSITY OF CYPRUS	CYPRUS	PR	49	197,00	9.653,00		106	164,00	17.384,00		462	122,00	56.364,00		8	93,00	744,00	625	84.145,00
Total Part III				1.012		203.173,00		3.549		570.416,00		1.476		199.346,00		313		27.075,00	6.350	1.000.010,00

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