

Dissemination report

June 2021 - November 2021



This work is licensed under the Creative Commons Attribution-NonCommercial-NoDerivatives 4.0. It is allowed to download this work and share it with others, but you must give credit, and you can't change it in any way or use it commercially.

Project information:

Contract Number	2020-1-PL01-KA203-082292
Title of Contract	Smart learning for gait physiotherapy – a standardized tool for health higher education in Europe
Acronym	SMARTtherapy+
Consortium	Silesian University of Technology, Poland Fondazione Politecnico di Milano, Italy Universitat zu Lubeck, Germany Jerzy Kukuczka Academy of Physical Education in Katowice, Poland
Website	smarterapyplus.eu

Report information:

Report Title:	Dissemination Report	
Intellectual output	N/A	
Deliverable number	2/DR	
Delivery date:	December 2021	
Dissemination Level:	<input checked="" type="checkbox"/> Public	<input type="checkbox"/> Confidential

Prepared by:

Partner	Name	Date
SUT	Joanna Bartnicka	December 2021
SUT	Patrycja Kabiesz	
SUT	Agnieszka Ziętkiewicz	
FPM	Esteban Pavan	
FPM	Filippo Silipigni	
UzL	Kerstin Luedtke	
AWF	Piotr Rodak	

Contents

1. Introduction
2. Project visibility activities
 - 2.1 SMARTerTherapy+ website
 - 2.2 Roll-up
3. Dissemination activities
 - 3.1 SMARTerTherapy+ in Social media and Internet
 - 3.2 Scientific Events
4. Collaboration with external entities for the project
5. Others activities

1. Introduction

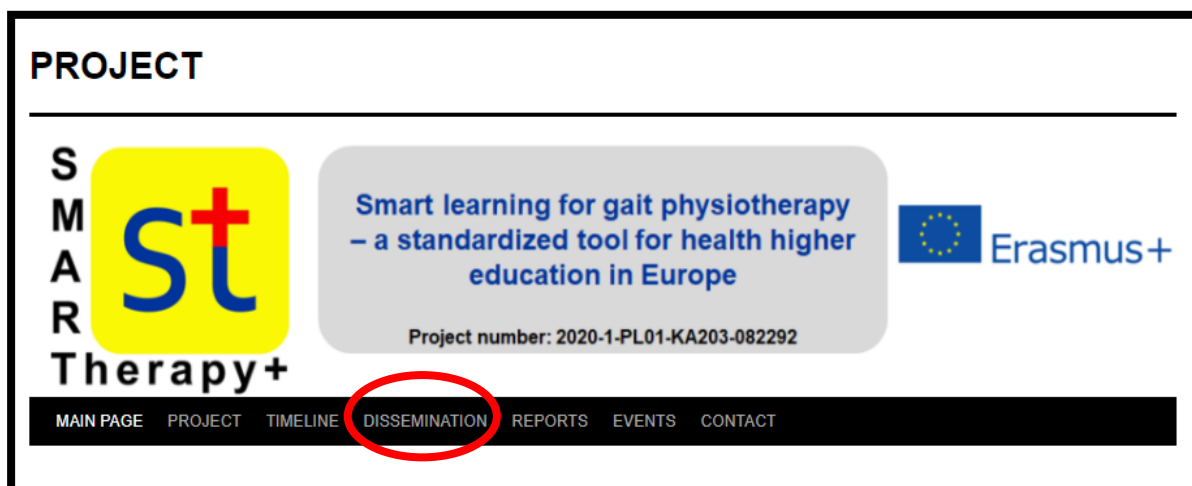
According to the dissemination plan, activities related to the second dissemination took place between June 2021 and November 2021. While the first SMARTer Therapy+ project period had been devoted to set-up the dissemination infrastructure, channels and strategies, focused the second SMARTer Therapy+ project period on disseminating the progress and results of the SMARTer Therapy+ project using the established structures. SMARTer Therapy+ dissemination activities were undertaken using national and international channels.

2. Project visibility activities

2.1 SMARTer Therapy+ website

The main project website is available at: <https://smartertherapyplus.eu/>.

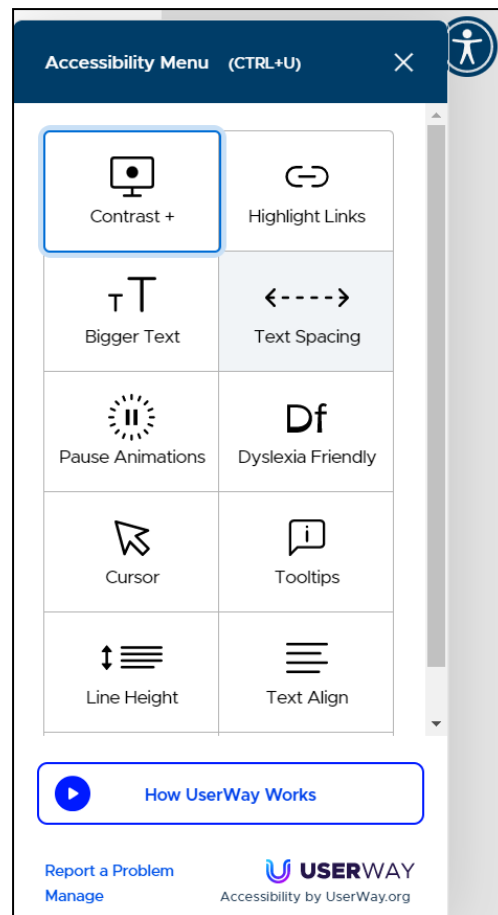
The structure of the website was developed to present current information about the project and its goals, objectives, etc. in a reader-friendly way. In addition, the menu was prepared with a view to the possibility of sharing project documents of a public nature and the possibility to share information on any events related to the implementation of project tasks.



The project homepage contains basic information about the project, its aims and objectives, as well as information about the project consortium. Up-to-date information on dissemination activities is regularly posted and the content of the website is constantly developed with new tabs. An example is the introduction of the "Dissemination" tab, which contains information about the international

dissemination of the SMARTerapy+ project in the form of Newsletter and Dissemination Report.

It was ensured that people with various types of restrictions could use the website. The assistive technologies (AT) were used to increase the accessibility of the website for diverse group of user.



For people with impaired vision (people with low vision, with reduced visual acuity or color blindness), the option of switching the page to high contrast mode and the ability to change the font size have been introduced.

For people with physical limitations who have difficulty with the precision of movements and thus problems with using a computer mouse, the option of navigating the site using the keyboard has been introduced.

2.2 Roll-up

In order to present the project in various conference, trade fair, training and workshop spaces, etc., the SUT has developed a project roll-up. Silesian University of Technology SUT developed a roll-up of the SMARTerTherapy+ project. The roll-up was designed by Joanna Bartnicka, Patrycja Kabiesz and Agnieszka Ziętkiewicz.



The roll-up poster features the Erasmus+ logo and SMARTerTherapy+ logo at the top. Below them is a blue banner with the word 'E-LEARNING' in large white letters, surrounded by smaller words like 'FORMATION', 'CONSULTANT', 'APPRENTISSAGE', 'INTERNET', 'TUTORIEL', 'CORRECTION', 'APPRENTICE', 'EDUCATION', 'SERVICE', 'L'ENSEIGNEMENT WEB', and 'TUTORIEL'. The main title reads: 'SMARTerTherapy+ Smart learning for gait physiotherapy – a standardized tool for health higher education in Europe'. Below the title is a photograph of four pairs of feet standing on a wooden floor. At the bottom, there is a QR code and the website 'smartherapyplus.eu'. The duration is '01.11.2020 – 31.01.2023' and the project reference is '2020-1-PL01-KA203-082292'. It is funded by the European Commission ERASMUS+ Call 2020 Key Action 2, Strategic Partnerships in the field of Higher Education - strategic partnerships for innovation. Logos of partner institutions are at the bottom: Politechnika Śląska, Fondazione Politecnico di Milano, AWF Katowice, and UNIVERSITÄT ZU LÜBECK.

3. Dissemination activities

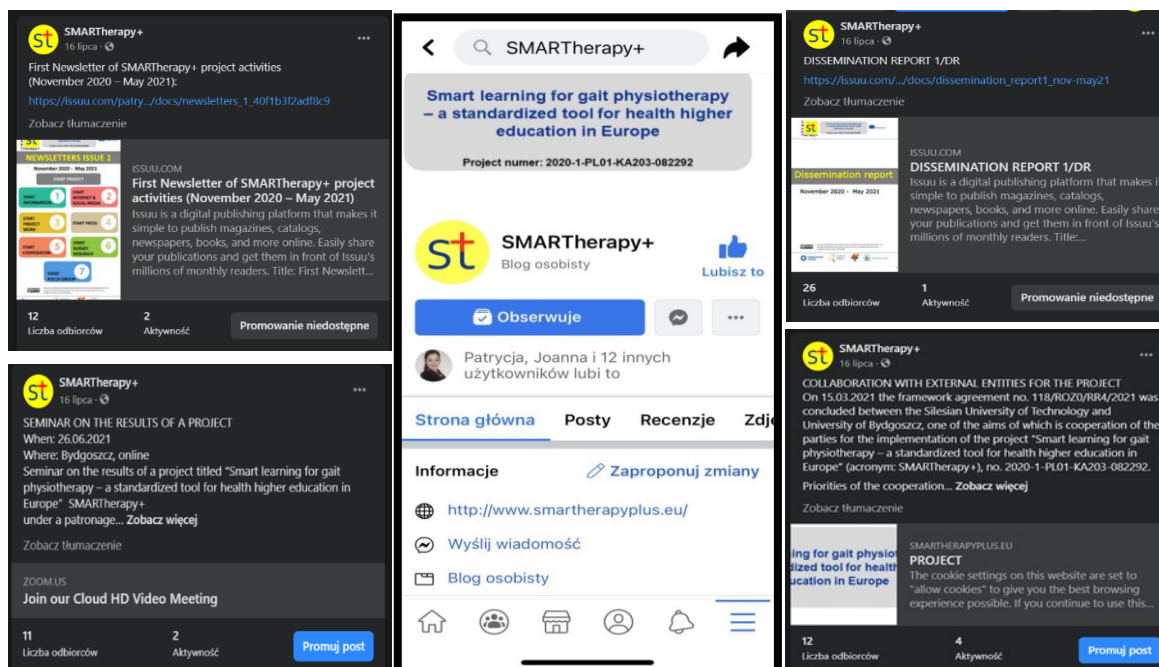
From June 2021 to November 2021, project Partners undertook various complementary activities to disseminate the project. These activities not only relate to the different dissemination areas that were planned at the beginning of the project, but also every possible opportunity is taken to share information about what project activities are being continuously implemented.

The scheme below shows the areas where multiple activities regarding the dissemination of the project were undertaken during the mentioned period.

3.1 SMARTtherapy+ in Social media and Internet

Social media is an indispensable form of information sharing and promotional activities allowing to reach a wide audience. For this reason, social media has been adopted as one of the ways to share information and promote the SMARTtherapy+ project.

FACEBOOK: A dedicated channel for the SMARTtherapy+ project has been created on Facebook.

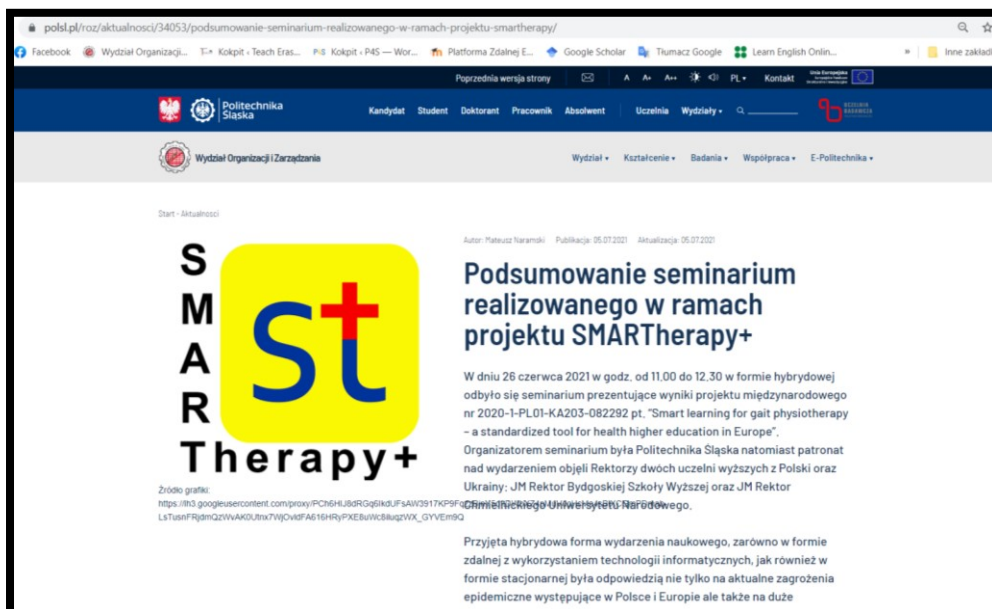
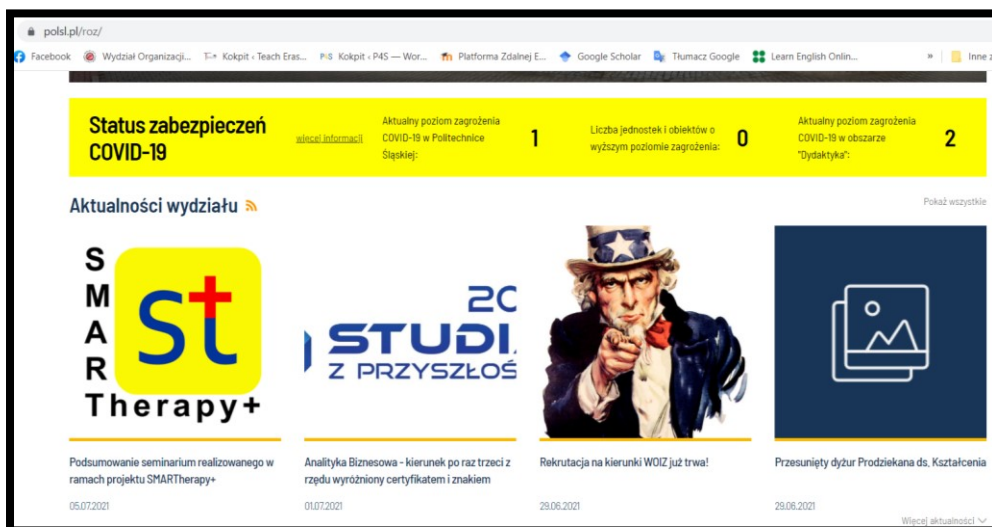


All Partners can add posts on this profile via SUT, but also posts from Partners profile can be liking by SMARTtherapy+ profile to be more visible.

Project partners used social media and the websites of their units to disseminate information about the project. Thanks to this, information about the project reached a larger audience. For example, the Leader placed information about the SMARTerapy+ project on the website of the:

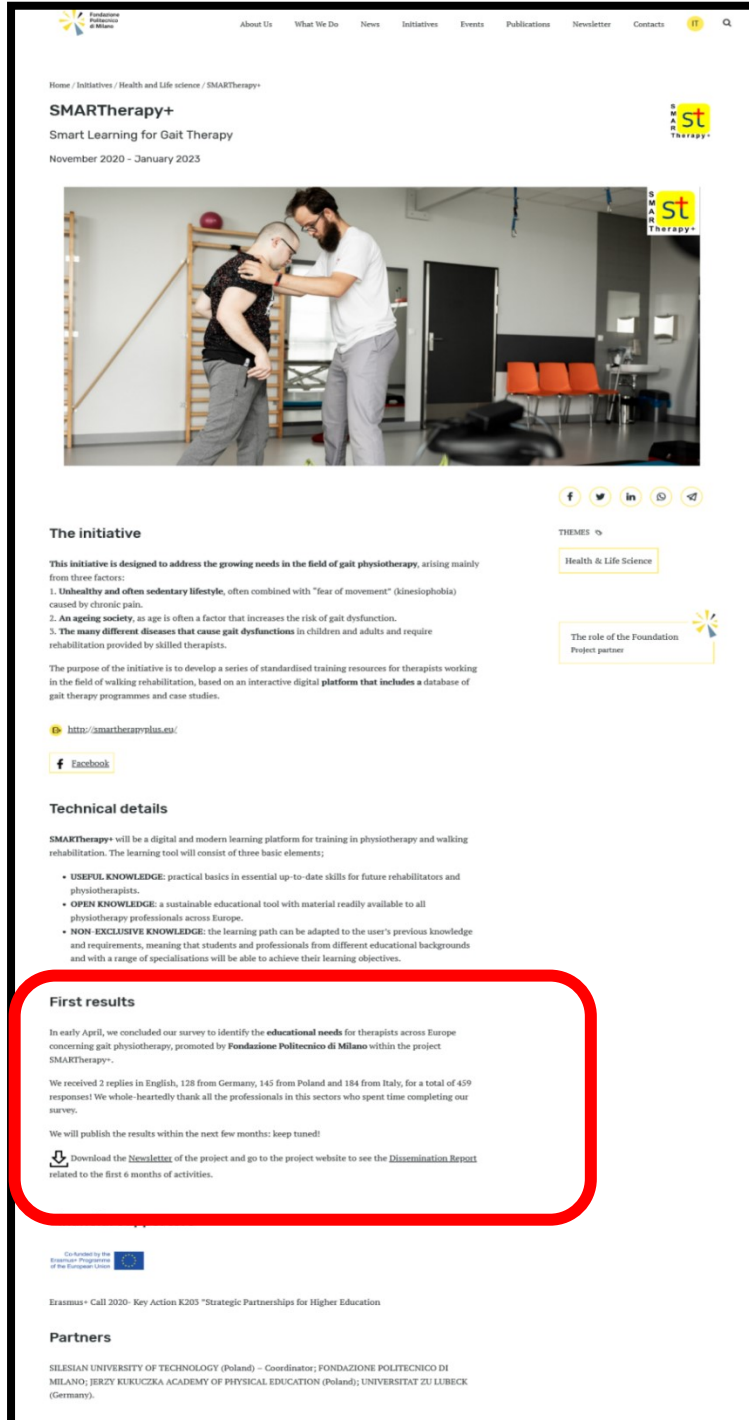
Silesian University of Technology (SUT)

<https://www.polsl.pl/roz/aktualnosci/34053/podsumowanie-seminarium-realizowanego-w-ramach-projektu-smartherapy/>



Fondazione Politecnico di Milano (FPM)

<https://www.fondazionepolitecnico.it/en/initiatives/health-and-life-science/smartherapy/>



The screenshot shows the website page for SMART Therapy+. The page includes a navigation menu, a header with the SMART Therapy+ logo, and a main content area. The main content area features a photograph of a therapist assisting a patient with gait. Below the photo are social media icons and a 'THEMES' section with 'Health & Life Science' selected. The 'The initiative' section describes the project's goals and lists three factors: 1. Unhealthy and often sedentary lifestyle, 2. An ageing society, and 3. Many different diseases that cause gait dysfunctions. The 'Technical details' section describes the digital learning platform and lists three types of knowledge: USEFUL KNOWLEDGE, OPEN KNOWLEDGE, and NON-EXCLUSIVE KNOWLEDGE. The 'First results' section, highlighted with a red border, reports on a survey conducted in April 2023, identifying educational needs for therapists across Europe. The survey received 2 replies in English, 128 from Germany, 145 from Poland, and 184 from Italy, for a total of 459 responses. The results will be published within the next few months. The 'Partners' section lists the Silesian University of Technology (Poland) as the coordinator, along with the Fondazione Politecnico di Milano, Jerzy Kukuczka Academy of Physical Education (Poland), and Universität zu Lübeck (Germany).

Home / Initiatives / Health and Life science / SMART Therapy+

SMART Therapy+
Smart Learning for Gait Therapy
November 2020 - January 2023

The initiative

This initiative is designed to address the growing needs in the field of gait physiotherapy, arising mainly from three factors:

1. **Unhealthy and often sedentary lifestyle**, often combined with "fear of movement" (kinesiophobia) caused by chronic pain.
2. **An ageing society**, as age is often a factor that increases the risk of gait dysfunction.
3. **The many different diseases that cause gait dysfunctions** in children and adults and require rehabilitation provided by skilled therapists.

The purpose of the initiative is to develop a series of standardized training resources for therapists working in the field of walking rehabilitation, based on an interactive digital platform that includes a database of gait therapy programmes and case studies.

<https://smartherapyplus.eu/>

Technical details

SMART Therapy+ will be a digital and modern learning platform for training in physiotherapy and walking rehabilitation. The learning tool will consist of three basic elements:

- **USEFUL KNOWLEDGE:** practical basics in essential up-to-date skills for future rehabilitators and physiotherapists.
- **OPEN KNOWLEDGE:** a sustainable educational tool with material readily available to all physiotherapy professionals across Europe.
- **NON-EXCLUSIVE KNOWLEDGE:** the learning path can be adapted to the user's previous knowledge and requirements, meaning that students and professionals from different educational backgrounds and with a range of specialisations will be able to achieve their learning objectives.

First results

In early April, we concluded our survey to identify the **educational needs** for therapists across Europe concerning gait physiotherapy, promoted by **Fondazione Politecnico di Milano** within the project SMART Therapy+.

We received 2 replies in English, 128 from Germany, 145 from Poland and 184 from Italy, for a total of 459 responses! We whole-heartedly thank all the professionals in this sectors who spent time completing our survey.

We will publish the results within the next few months: keep tuned!

Download the [Newsletter](#) of the project and go to the project website to see the [Dissemination Report](#) related to the first 6 months of activities.

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

Erasmus+ Call 2020- Key Action K203 "Strategic Partnerships for Higher Education"

Partners

SILESIAN UNIVERSITY OF TECHNOLOGY (Poland) – Coordinator; FONDAZIONE POLITECNICO DI MILANO; JERZY KUKUCZKA ACADEMY OF PHYSICAL EDUCATION (Poland); UNIVERSITÄT ZU LÜBECK (Germany).

Jerzy Kukuczka Academy of Physical Education in Katowice (AWF)

<https://erasmus.awf.katowice.pl/aktualnosci/smartherapy-10.html>



Erasmus+
Akademii Wychowania Fizycznego w Katowicach im. Jerzego
Kukuczki w Katowicach


Strona główna / Aktualności / SMARTerapy- midterm meeting

REPORT ON MIDTERM MEETING HELD ON 28.09.2021

On 28.09.2021 there was a Midterm meeting of the SMARTerapy+ project (Erasmus + program), which was organized by Universität zu Lübeck (Germany) for the project consortium: Silesian University of Technology (SUT, Poland), Fondazione Politecnico di Milano (Italy) and Jerzy Kukuczka Academy of Physical Education in Katowice (Poland). The meeting was held via zoom. The main objectives of the meeting were: (a) to discuss the results of the surveys and focus groups organized in all countries (b) to discuss and agree on the tasks and deadlines set by each partner (c) to define how the IO2 task will be implemented. Below is the agenda and the main outcomes of each agenda item:

1. Introductory issue. Scope of midterm meeting

<http://www.ibr-fizjoterapii.pl/2021/07/26/smartherapy-2/>




IFINOZ
Instytut Fizjoterapii i Nauk o Zdrowiu

AKTUALNOŚCI | O INSTYTUCIE | ZESPOŁY BADAWCZE | LABORATORIA | CERTYFIKACJA

SMARTerapy+

OPUBLIKOWANO 26 LIPCA 2021 [DATA] PRZEZ PATRYCJA ROMANISZYN KANIA

Pierwszy Dissemination Report 1/DR w ramach projektu SMARTerapy+ Smart learning for gait physiotherapy – a standardized tool for health higher education in Europe



Milo nam poinformować, że opracowany został pierwszy raport w ramach projektu SMARTerapy+ – Dissemination Report 1/DR. Został on opublikowany na stronie <https://smarterapyplus.eu/reports/>

Zachęcamy do zapoznania się z jego treścią!

Partnerzy projektu: Wydział Organizacji i Zarządzania Politechniki Śląskiej, Instytut Fizjoterapii i Nauk o Zdrowiu Akademii Wychowania Fizycznego im. J. Kukuczki w Katowicach, Universität zu Lübeck, Fondazione Politecnico di Milano.

Institucja Finansująca – Komisja Funduszy Europejskich, Fundacja Rozwoju Systemu Edukacji, Projekt Unii Europejskiej, Program Erasmus+, nr wniosku KA203-479575E5

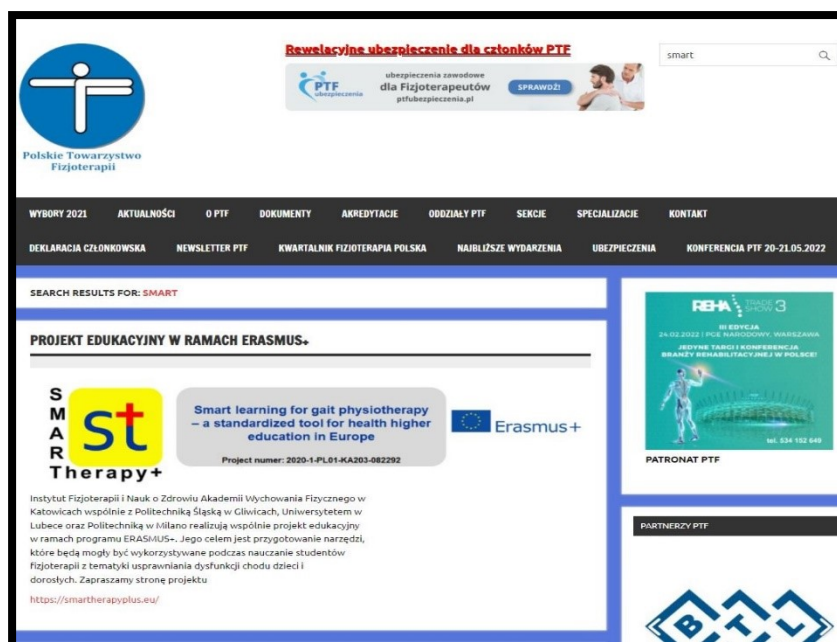
Więcej informacji na stronie <https://smarterapyplus.eu/>

OPUBLIKOWANY W INFORMACJE, NOWOŚCI!

AWF ensured that information about the SMARTerapy+ project was posted on the websites of the units they work with. Example include:

Polish Physiotherapy Association

<http://fizjoterapia.org.pl/page/2/>



During the period June 2021 - November 2021, **Fondazione Politecnico di Milano (FPM)** has disseminated all relevant information about the project and its activities by leveraging its existing communication channels, potentially reaching a wide variety of targets such as companies and enterprises, professionals, university academics and students, public administration, and universities/research institutions at national and international level. These communication activities have been planned to regularly inform potentially interested professionals about the existence of the Project and the strategic partnership, the main project objectives, and the activities that are being carried out during the considered period.

The following table recaps the main channels that have been used during the period and provides an estimation of the potential number of contacts achieved.

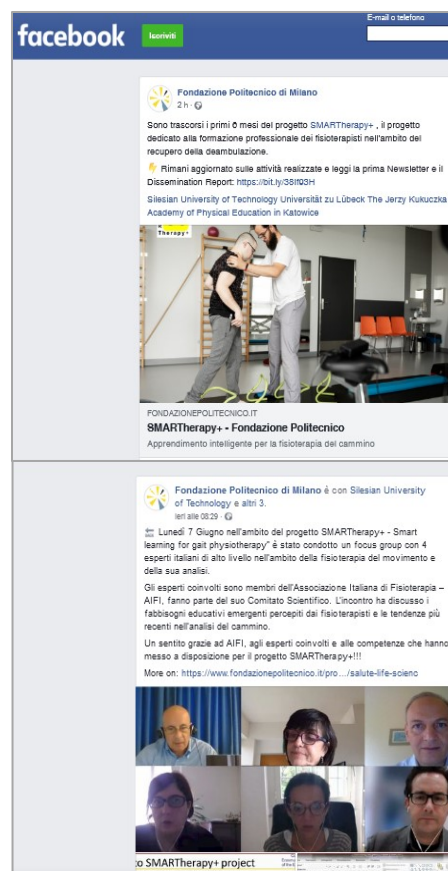
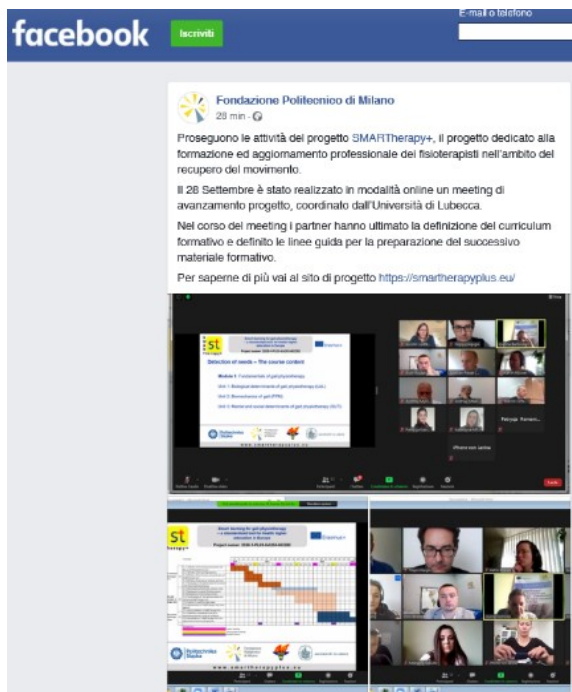
In this period, the dissemination actions aimed:

1. to keep updated potential contacts about Project activities;
2. to communicate the ongoing activities of the Project and
3. to provide visibility to the Project website <https://smartertherapyplus.eu/> that started to be populated with new and updated content.

Reporting Period: September - November 2021		Target						# (<i>approximatly</i>)
Communication channel	Account name	Companies and Enterprises, start-ups	Public Administrations	Universities	Professionals	Students	Associations	
Website	fondazionepolitecnico.it	✓	✓	✓	✓	✓	✓	60-80k views yearly
Social Media: Facebook	fondazione.politecnico.di.milano	✓	✓			✓	✓	4.000 followers
Direct mail	mail				✓		✓	4 AIFI board members

• **Social Media.**

Fondazione Politecnico di Milano (FPM) regularly published information about the project exploiting all social media. As an example, see the screenshot below related to some project activities, which was posted on the institutional page of FPM on Facebook.



LinkedIn Lavoro Fondazione Politecnico di Milano Milano

Fondazione Politecnico di Milano
3,400 follower
1 giorno · Modificato

Lunedì 7 Giugno nell'ambito del progetto #SMARTerapy+ - Smart learning for gait physiotherapy" è stato condotto un focus group con 4 esperti italiani di alto livello nell'ambito della #fisioterapia del movimento e della sua analisi.

Gli esperti coinvolti sono membri dell'Associazione Italiana di Fisioterapia – AIFI, fanno parte del suo Comitato Scientifico. L'incontro ha discusso i fabbisogni educativi emergenti percepiti dai fisioterapisti e le tendenze più recenti nell'analisi del cammino.

Un sentito grazie ad AIFI, agli esperti coinvolti e alle #competenze che hanno messo a disposizione per il progetto SMARTerapy+!!!

More on (link nei commenti)

Monday, June 7 as part of the SMARTerapy+ project - Smart learning for gait physiotherapy" a focus group was conducted with 4 high-level Italian experts in the physiotherapy of movement and its analysis.

The experts involved are members of the Italian Association of Physiotherapy - AIFI being part of its Scientific Committee. The meeting discussed emerging educational needs perceived by physiotherapists and the latest trends in path analysis.

A heartfelt thanks to AIFI, the experts involved and the skills available for the SMARTerapy project +!!!

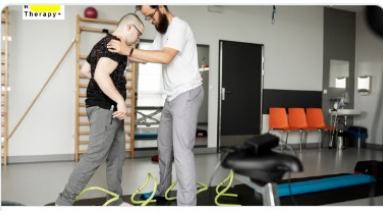
More on (link in comments)

Tweet

Fondazione PoliMi @FondaPoliMi

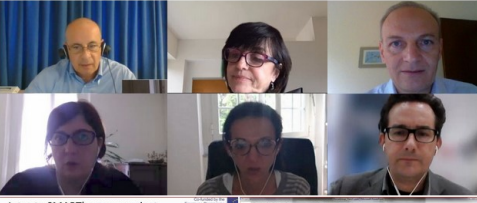
#SMARTerapy+ è il progetto dedicato alla #formazione professionale dei fisioterapisti nell'ambito del recupero della deambulazione.

🔥 Rimani aggiornato sulle attività realizzate e leggi la prima #Newsletter e il Dissemination Report:



SMARTerapy+ - Fondazione Politecnico
Apprendimento intelligente per la fisioterapia del cammino
fondazionepolitecnico.it

11:55 AM · 28 ago 2021 · Twitter Web App



Intro to SMARTerapy+ project

Smart learning for gait physiotherapy – a standardized tool for health higher education in Europe:

Project of the Project:
Developing a professional standard training resource in the field of gait rehabilitation, to address emerging and growing needs in the field of gait rehabilitation and physiotherapy for health higher education in Europe.

Specific Objectives:
Developing a digital and modular learning platform for training in physiotherapy and walking rehabilitation, focusing on gait rehabilitation and physiotherapy for health higher education in Europe.

Funding and Project Duration:
Funded by the European Union under Horizon Europe. Partnership for Higher Education!
27 months, from 01/01/2022 to 31/12/2024.

Partners:
Fondazione Politecnica di Milano (Italy) - Coordinator
Fondazione Politecnica di Milano (Italy) - Partner
Fondazione Politecnica di Milano (Italy) - Partner
Fondazione Politecnica di Milano (Italy) - Partner

3 · 1 commento

Fondazione Politecnico di Milano
3,563 follower
2 ore

Sono trascorsi i primi 6 mesi del progetto #SMARTerapy+, il #progetto dedicato alla #formazione professionale dei fisioterapisti nell'ambito del recupero della deambulazione.

Rimani aggiornato sulle attività realizzate e leggi la prima #Newsletter e il Dissemination Report (link nei commenti).



SMARTerapy+ - Fondazione Politecnico
https://www.fondazionepolitecnico.it

2 · 1 commento

Tweet

Fondazione PoliMi @FondaPoliMi

Focus group con 4 gli esperti dell'@AIFI_nazionale (Associazione Italiana di Fisioterapia) nell'ambito della #fisioterapia del movimento e della sua analisi per il #progetto #SmartTherapy+.

Il progetto: bit.ly/38lf93H



5:14 PM · 28 giu 2021 · Twitter Web App

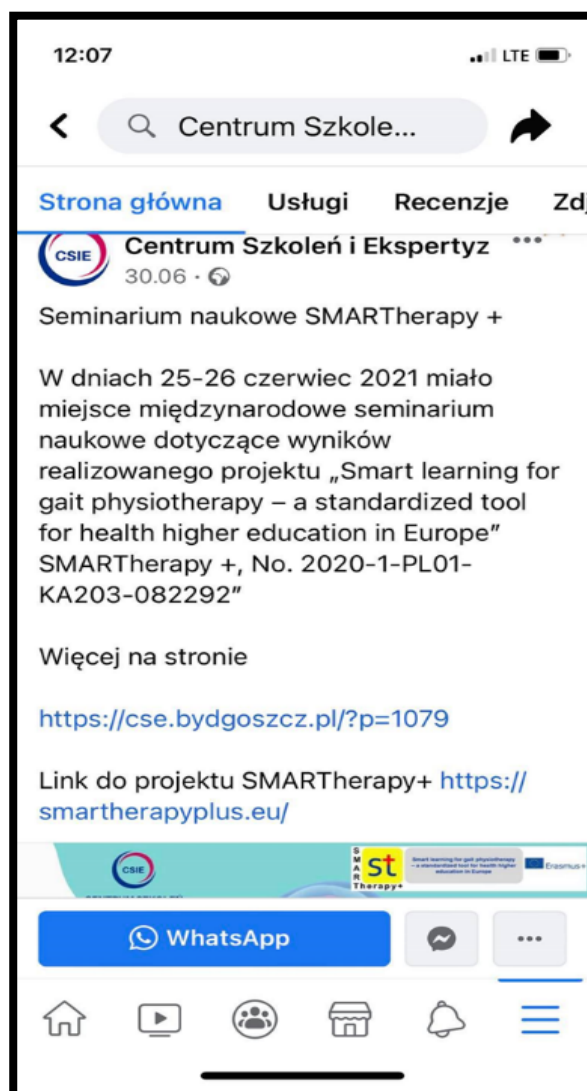
Direct contact. In March 2021, FPM contacted directly the National Italian Association of Physiotherapists, AIFI <https://aifi.net/>, and has established direct contact with the Scientific Board of the Association. This action was expressly addressed to achieve the main target groups of the Project (physiotherapist professionals and academic teachers in the gait analysis field), with the objectives to promote the Project activities among the main national hub of Physiotherapists at the Italian level (nearly 5.600 members) and to check matching interests of the Association members in the project objectives and their possibility to be involved into Project activities.

From June to August:

- FPM organized a focus group meeting with 4 members of AIFI and high-level experts in gait physiotherapy. During the meeting held in June, FPM presented the SMARTer Therapy+ Project, its goals and expected activities;
- through direct emails to AIFI Board members that were disseminated to all AIFI members, FPM reported on project activities and results.
- through direct mails, FPM promoted the publications (the first NewsLetter and the 6-month Dissemination report) available on the Project website towards the AIFI Board Members;

For more details, see the *Scientific events* section.

In addition, the SMARTerapy + project is disseminated on the profiles of external entities with which the project contractors collaborate. For example, the project is promoted on the profile of the European Security Association and on the profile of the Centre for Training and Expertise.



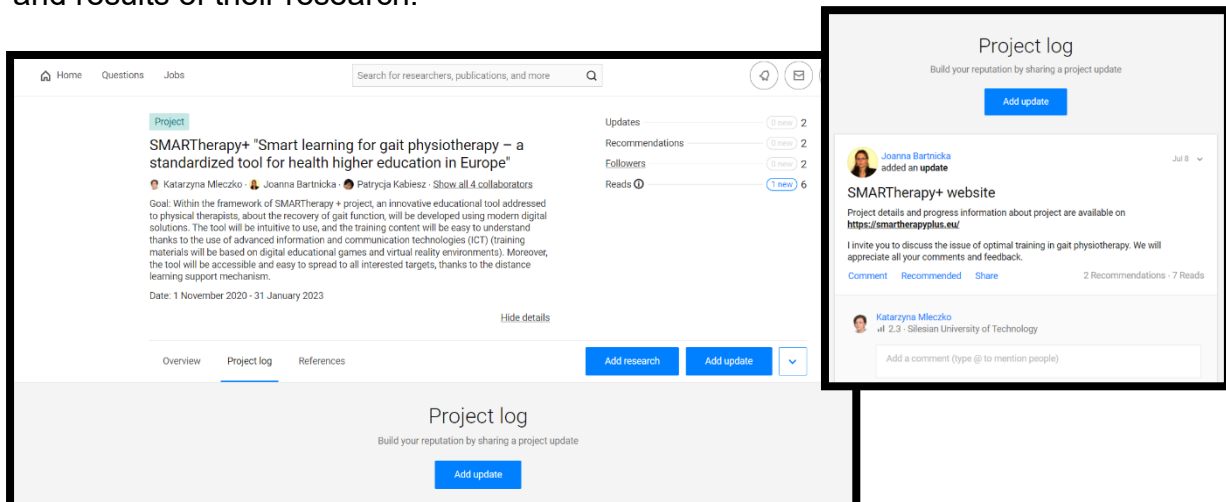
The private profiles of team members are used to disseminate the results of a project as well. The sample screenshots is presented below.



- **Researchgate**

To disseminate information and share ongoing project results among the research community, a SMARTer Therapy+ project profile was created on Researchgate portal by the **Silesian University of Technology (SUT)**. The administrator of this profile is Katarzyna Mleczek.

It is a place where scientists from all over the world can network, share experiences and results of their research.



3.2 Scientific Events

- **Multiplier Events**

On 26 June 2021 from 11.00 a.m. to 12.30 p.m. in a hybrid form a seminar was held presenting the results of the international project No 2020-1-PL01-KA203-082292 “Smart learning for gait physiotherapy – a standardized tool for health higher education in Europe” (SMARTherapy+). The organizer of the seminar was the Silesian University of Technology and the event was held under the patronage of the Rectors of two universities in Poland and Ukraine: Rector of the University of Bydgoszcz and Rector of Khmelnytskyi National University.

The adopted hybrid form of the scientific event, both in remote form with the use of information technology, as well as in a stationary form, was a response not only to current epidemic threats occurring in Poland and Europe but also to great interest in participation in the seminar.

PhD eng. Joanna Bartnicka – Head of the international project SMARTherapy+ and Professor Magdalena Hagner-Derengowska – Vice-Chancellor of Bydgoszcz University of Medical Sciences and Rector’s Proxy for Physiotherapy at BSW opened the seminar and welcomed the invited guests, speakers and seminar participants.

The substantive part of the workshop consisted of six lecture panels. The opening lecture entitled “Modern methods and techniques of gait physiotherapy training. Theoretical and practical aspects” was delivered by Professor Magdalena Hagner-Derengowska and met with great interest from seminar participants.

Four other lectures were given by researchers of the Department of Physiotherapy and Ergotherapy from Khmelnytsky National University.

PhD Inna Soltyk gave a lecture on: “The choice of means of physical therapy for major pathological abnormalities in the structure and function of the feet”. Another person who gave a presentation entitled: “Physical activity in physical therapy. The topic includes types of exercises, functional tests, which are used in FT for certain disorders” was PhD Natalia Volieva.

Two other presentations were given PhD Ludmyla Basenko and Professor Mykola Maistruk on the following topics: “Classification of Adriano Ferrari’s dysplasia. Perspective of gait”, “Author’s (basic) course of using massage in the practice of a physical therapist”.

The substantive part of the seminar closed with a lecture by PhD eng. Piotr Bojar from the Centre for Training and Expertise and Rector’s Proxy for Logistic, Management and Production Engineering, whose topic was: “Analysis and

processing of data acquired from gait physiotherapy devices for verification of patient exercise performance”.

The lectures presented a holistic approach to gait physiotherapy in Poland and Ukraine, as well as drew attention to the lack of European standards of professionalization of physiotherapists, ensuring maximum safety and high quality of therapy at the same level.

From the lectures we have listened to we can clearly state that the the project aims to meet the needs of physiotherapists by developing a professional and standardized training product for them.

The main advantage of this product will be learning based on multidimensional and interactive scenarios of gait rehabilitation process based on the case studies.

In the last part of the seminar PhD Joanna Bartnicka presented in a synthetic way information about the aims and objectives of the SMARTtherapy+ project.

To sum up, the seminar was an interesting event with a high scientific and content-related level. Moreover, it was educational for both the participants and the organisers and allowed them to understand the needs and expectations regarding the adaptation and modernisation of the medical school curricula. It also confirmed the lack of widely available and standardised didactic materials on gait physiotherapy.

The seminar was attended by 249 people, including 90 in-person participants and 159 online participants. The seminar participants were mainly students and academic teachers of physiotherapy and health sciences. Moreover, the seminar was attended by physiotherapists who run their own service activity in physiotherapy, representatives of medical universities in Poland, among others, from: Collegium Medicum of the Nicolaus Copernicus University, Bydgoszcz University, Khmelnytsky National University. Participation in the seminar was free of charge.

Seminar agenda:



Smart learning for gait physiotherapy
– a standardized tool for health higher
education in Europe

Project number: 2020-1-PL01-KA203-082292



Seminar on the results of a project titled "Smart learning for gait physiotherapy - a standardized tool for health higher education in Europe"
SMARTer Therapy +, No. 2020-1-PL01-KA203-082292
under a patronage
of the Rector of University of Bydgoszcz



of the Rector of Khmelnytskyi National University



Date: 26 June 2021
Time: 12.00am Kiev; 11.00am Warsaw
Organizer: Silesian University of Technology in cooperation with University of Bydgoszcz and Khmelnytskyi National University
Link: <https://zoom.us/j/98068195768>

Agenda:

11.00-11.05 5 min	<p>Prof. Magdalena Hagner-Derengowska Vice-rector of the University of Bydgoszcz Rector's Proxy for Physiotherapy at BSW Physiotherapy elderly</p> <p>Prof. Oleg Bazilchuk The Head of Department of Physiotherapy and Ergotherapy Khmelnytskyi National University</p> <p>PhD eng. Joanna Bartnicka Coordinator of the international SMARTer Therapy+ project Vice-Dean for Education Faculty of Organization and Management Silesian University of Technology <i>Opening seminar.</i></p>
11:05 -11:15 10 min	<p>Prof. Magdalena Hagner-Derengowska <i>Modern methods and techniques of gait physiotherapy training. Theoretical and practical aspects.</i></p>
11.15-11.25 10 min	<p>Inna Soltyk, Associate Professor, Department of Physiotherapy and Ergotherapy <i>The choice of means of physical therapy for major pathological abnormalities in the structure and function of the feet.</i></p>





Fondazione
Politecnica
di Milano



AWF
KATOWICE



UNIVERSITÄT ZU LÜBECK

- | | |
|-----------------------|---|
| 11.25-11.35
10 min | Natalia Volieva Senior Lecturer, Department of Physiotherapy and Ergotherapy
<i>Physical activity in physical therapy. The topic includes types of exercises, functional tests, which are used in FT for certain disorders.</i> |
| 11.35-11.45
10 min | Ludmyla Basenko , Senior Lecturer, Department of Physiotherapy and Ergotherapy
Department of Physiotherapy and Ergotherapy
<i>Classification of Adriano Ferrari's dysplasia. Perspective of gait.</i> |
| 11.45-11.55
10 min | Mykola Maistruk , Professor, Department of Physiotherapy and Ergotherapy
<i>Author's (basic) course of using massage in the practice of a physical therapist.</i> |
| 11.55-12.05
10 min | PhD eng. Piotr Bojar , Training and Expertise Center, Rector's Proxy for Logistic,
Management and Production Engineering
<i>Analysis and processing of data acquired from gait physiotherapy devices for verification of patient exercise performance.</i> |
| 12.05-12.15
10 min | Joanna Bartnicka
<i>Presentation of the SMARTerapy+ project.</i> |
| 12.15-12.20
5 min | Conclusion and closing seminar. |

Participation in the seminar is free of charge.

Contact:

Joanna Bartnicka, Silesian University of Technology: Joanna.Bartnicka@polsl.pl

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



Fondazione
Politecnico
di Milano



UNIVERSITÄT ZU LÜBECK

Event photos:



- "Zabrze not only for the weekend"

On 10-11 July 2011 members of the consortium of the Silesian University of Technology took part in a popular science event at Ogrodzieniec Castle entitled "Zabrze not only for the weekend". Joanna Bartnicka and Patrycja Kabiesz organised a stand of the SMARTtherapy+ project and provided information about the project to all interested persons.



- **Focus Group**

During April-June 2021, a series of focus group meetings were held as one of the tasks which aims to identify educational needs in gait physiotherapy in Europe. During these meetings also dissemination of the project took place. Information was provided to physiotherapy experts. They work in different units where they have contact with many other professionals in the field. Manner of conducting the interview was online using information technology to ensure recording and identification of the expert.

Fondazione Politecnico di Milano has carried out a focus group meeting on 7th of June 2021.

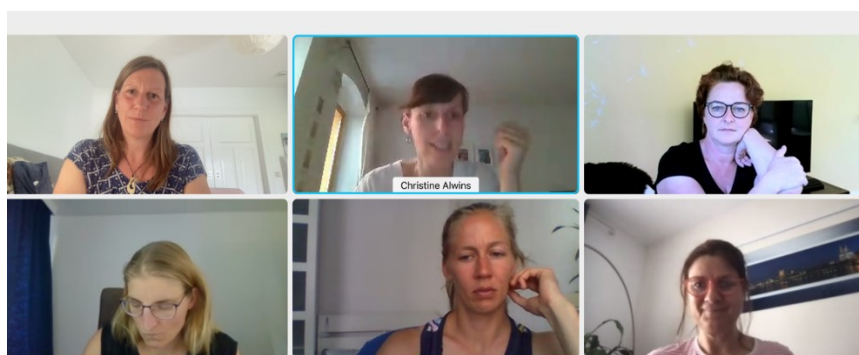
The focus group consisted of 4 high-level experts in gait physiotherapy and functional assessment, widely recognized in the sector at the Italian level (and not only). All of them operate in universities as academic researchers and are the head of private and public specialized laboratories for movement analysis in hospitals or public assistance structures. In addition, all the interviewed experts are members of the National Italian Physiotherapy Association (AIFI) and in particular, they belong to the board of the Scientific committee of AIFI.

Besides the main objectives of the focus group to discuss emerging training needs of physiotherapy professionals and the modern trends in gait analysis, the initiative was also the opportunity to communicate the SMARTerTherapy+ project to the Scientific board of the AIFI association and to make a preliminary check of matching interests of AIFI Board members to be involved in the future activities and initiatives of the Project. Interviewed experts shared a great interest in the project.

Hereafter two screenshots of the Focus Group activity.



On 17th of June, the **University of Luebeck** conducted a focus group interview with 6 German experts (including the moderator) on gait analysis. The interview followed the guidelines agreed by the consortium, was held online and lasted approximately 1 hour. Topics discussed included the definition of requirements for future teaching material for gait analysis and difficulties commonly occurring when teaching gait analysis. Results were transcribed using the software F4 and contents were analysed according to interview guideline topics. Results will be compared with results from the consortium partners and used for the subsequent development of teaching material, which is the main task in the next work package of the project.



- **Meeting at the Brno University of Technology (BUT) in the Czech Republic**

Between 22 and 26 November 2021, a representative of the Jerzy Kukuczka Academy of Physical Education in Katowice (AWF) Piotr Rodak gave a series of lectures as part of scientific meetings organised at the Brno University of Technology (BUT) in the Czech Republic to present the SMARTerTherapy+ project. The event was organised by the Sports Activity Centre and was attended by around 100 participants (students, professors and instructors).

During the lectures, Piotr Rodak introduced the participants to the scope of the project, as well as to the whole idea of strategic partnerships of the Erasmus+ programme, introducing all the project partners and the European Commission as the funder. Apart from the event itself, there were 4 additional meetings with the staff of the Sports Activity Centre, in which 20 employees of BUT and the University of Bratislava took part. At these also the project and the results of the research carried out were presented.



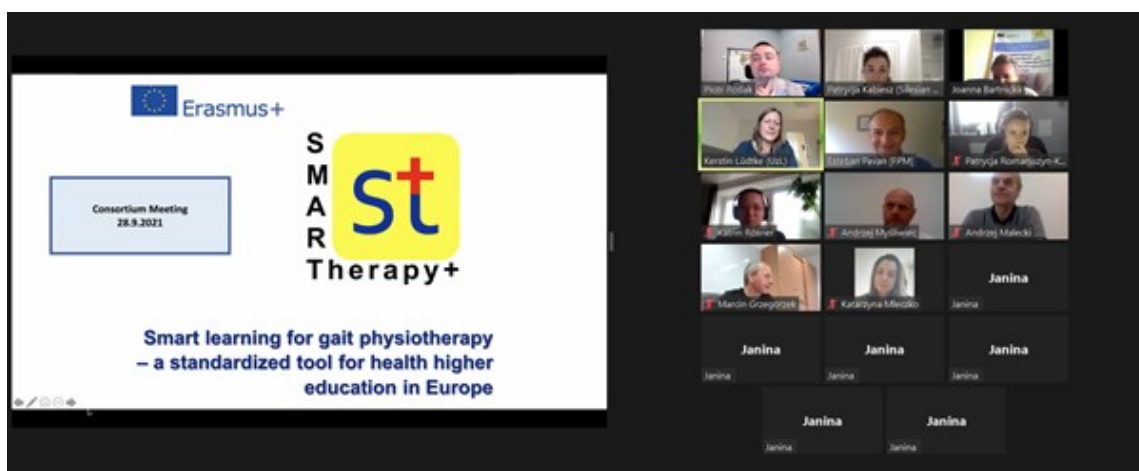
- **XVIII International Conference Multidisciplinary Aspects of Production Engineering MAPE 2021**

At the conference under the title. "XVIII International Conference Multidisciplinary Aspects of Production Engineering MAPE 2021", which took place on 14-17.09.2021 in Zamość (Poland), a SMARTtherapy+ project stand was organised as part of the poster session. The person representing the project was Patrycja Kabiesz, who discussed the aim and objectives of the project and answered questions.



- Report on midterm meeting held on 28.09.2021

A mid-term meeting of the SMARTerapy+ project was held on 28.09.2021, which was organised by Universitat zu Lubeck (Germany) for the project consortium: Silesian University of Technology (Poland), Fondazione Politecnico di Milano (Italy) and Jerzy Kukuczka Academy of Physical Education in Katowice (Poland). The meeting was held via zoom and was attended by 17 people involved in the project. The main objectives of the meeting were: (a) to discuss the results of the surveys and focus groups organised in all countries (b) to discuss and agree on the tasks and deadlines set by each partner (c) to define how the IO2 task will be carried out.




Midterm Meeting
SMARTerapy+

Smart learning for gait physiotherapy - a standardized tool for health higher education in Europe

Coordinator:
Silesian University of Technology (Poland)

Participants:
– Fondazione Politecnico di Milano (Italy)
– Universitat zu Lubeck (Germany)
– The Jerzy Kukuczka Academy of Physical Education in Katowice (Poland)

Date:
Friday, 14th May 2021, 11AM-1PM

Access to the meeting:
Topic: SMARTerapy+ Midterm Meeting
Time: May 14, 2021 11:00 AM Warsaw
Join Zoom Meeting
<https://zoom.us/j/94044542338?pwd=QmFwTjZqZjVQeHhEdzRlVFZlUjU3UjZkd09>
Meeting ID: 940 4454 2338
Passcode: 543399

Agenda:

Time	Subject	Partner presenting
11.00	Welcome, introductory issues, Scope of midterm meeting	SUT
11.05	Presentation of WP1 progress: Definition and Standardization of SMARTerapy+ curriculum, Discussion.	SUT + ALL
11.30	Dissemination plan and reporting (presentation of dissemination activities done by each Partner)	SUT+ALL
11.40	Preview of the first Multiplier Event	SUT
11.45	Quality reporting proposition	SUT+AWF
11.55	Management and financial aspects - first financial report	SUT
12.10	Impact aspects	SUT
12.15	Presentation of future works	SUT
12.25	Progress report	SUT
12.35	Steering Committee Meeting (discussion on a new project schedule)	ALL
12.50	Questions & Discussion	ALL
1.00	Close of the meeting	SUT

Logos of partner institutions: Politechnika Śląska, Fondazione Politecnico di Milano, AWF KATOWICE, UNIVERSITÄT ZU LÜBECK

• **Night of Scientists**

On 09.10.2021 the Silesian University of Technology (SUT), Faculty of Organisation and Management hosted an event called Researchers' Night online via zoom.eu. The event was aimed at all people interested in science and scientific research. As part of the Researchers' Night Katarzyna Mleczek together with Patrycja Kabiesz organised an open meeting during which they presented information the SMARTerapy+ project.



• **Silesian Science Festival**

The event V Silesian Science Festival, which took place from 09.10.2021 - 15.10.2021 in hybrid form. Representatives of the Silesian University of Technology Patrycja Kabiesz and Katarzyna Mleczek organised a workshop as part of the Science Festival, which took place online on 15.10.2021. During the workshop, detailed information about the international SMARTerapy+ project was provided.



PROJECT
SMARTerapy+
Smart learning for gait physiotherapy – a standardized tool for health higher education in Europe
Project number: 2020-1-PL01-KA203-082292

Erasmus+

Co czujesz, gdy Twój mózg się zmęczy? – eksperymenty i zabawy poznawcze

Test dla dzieci poniżej 10 roku życia [tutaj](#)
Test dla osób w przedziale wiekowym 11 – 16 lat [tutaj](#)
Test dla osób powyżej 16 roku życia [tutaj](#)

ŚLĄSKI FESTIWAL NAUKI KATOWICE

Politechnika Śląska

0°	15°	30°	45°	60°
4-5kg	12 kg	18k g	22 kg	27 kg

- **Conversation Club**

During the first meeting of AWF Katowice Conversation Club in academic year 2021/2022 (10th November 2021) we presented the AWF Katowice Erasmus+ projects, including SMARTerapy+, so all participants (around 60 students and teachers) had a chance to familiarize themselves with the ST+ idea, it's website and facebook page. We have promoted that event on our facebook page.



4. Collaboration with external entities for the project

At the beginning of 2021, **Fondazione Politecnico di Milano (FPM)** contacted directly the National Italian Association of Physiotherapists, AIFI <https://aifi.net/>, and since then, a direct contact with the Scientific Board of the Association is being maintained. This action was expressly addressed to achieve the main target groups of the Project (physiotherapist professionals and academic teachers in the gait analysis field), with the objectives to promote the Project activities among the main national hub of Physiotherapists at the Italian level (nearly 5.600 members) and to check matching interests of the Association members in the project objectives and their possibility to be involved into Project activities.

From September to November:


- Through a direct mail exchange, FPM keeps updated the AIFI Board members about the ongoing project and FPM communication activities on social media.

On 02.09.2021 **Jerzy Kukuczka Academy of Physical Education in Katowice (AWF)** organized an information meeting regarding further stages of SMARTerapy+ among external entities for the project, which was focused on the

cooperation of the parties for the implementation of the project “Smart learning for gait physiotherapy – a standardized tool for health higher education in Europe”, as well as dissemination of project results.

The priority action during the meeting included creating space for the implementation of the next stage of the project.

The meeting was attended by: a representative of the St Barbara Provincial Specialist Hospital No. 5 Trauma Centre in Sosnowiec, a representative of the Specialist Physiotherapy Centre in Rybnik and a representative of the Municipal Hospital Group in Chorzów.



S
M
A
R
T
Therapy+

Smart learning for gait physiotherapy
– a standardized tool for health higher
education in Europe

Erasmus+

Project number: 2020-1-PL01-KA203-082292

Meeting SMARTerapy+
**„Smart learning for gait physiotherapy – a
standardized tool for health higher education in
Europe”**

Host:
Academy of Physical Education in Katowice (Poland)

Participants:

dr Elżbieta Kmieciak-Malecka - Provincial Specialist Hospital n. 5 St. Barbara Trauma Center in Sosnowiec, Academy of Physical Education in Katowice

prof. Andrzej Myśliwiec - Specialized Physiotherapy Center in Rybnik, Academy of Physical Education in Katowice

prof. Andrzej Malecki - Academy of Physical Education in Katowice

dr Marcin Chyra - Municipal Hospitals Chorzów, Academy of Physical Education in Katowice

M.Sc. Eng. Patrycja Romaniszyn-Kania - Academy of Physical Education in Katowice

M.Sc. Anna Sosada - Academy of Physical Education in Katowice

M.Sc. Piotr Rodak - Academy of Physical Education in Katowice

Date:
Tuesday, 2nd September 2021, 18:30-20:30

Access to the meeting:
<https://us04web.zoom.us/j/6577916768?pwd=SHYwN1VHY1pFMTYvQzlwUFJKVThyUT09>

Meeting ID: 657 791 6768
Passcode: APM

Time	Subject	Partner presenting
18:30	Welcome. Introductory issue. Scope of meeting	AWF
18:40	Bioethical committee	AWF
19:00	Dissemination of the project	All
19:15	Video materials preparation	AWF
19:45	Preparation of digital materials (ppt presentations)	All
19:55	Other issues	All
20:00	Close of the meeting	AWF

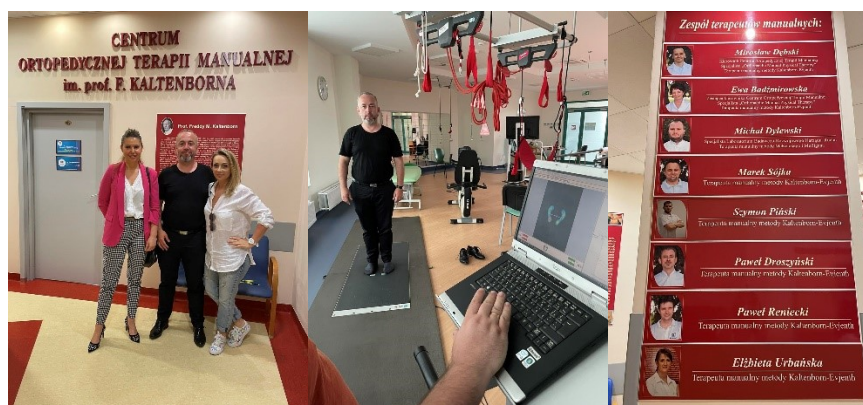
5. Others activities

- **Study visits in the Center for Orthopedic Manual Therapy of Prof. F. Kaltenborn in Ciechocinek Health Resort Clinic "Pod Tężniami"**

On 25 June 2021 at the Center for Orthopedic Manual Therapy named after Professor F. Kaltenborn in Ciechocinek Health Resort Clinic "Pod Tężniami" took place a study visit, which was hosted Michał Dylewski, a specialist in the Research and Development Laboratory of the Motor System. The meeting was attended by: representatives of the SMARTerapy+ project: Joanna Bartnicka, Patrycja Kabiesz, Agnieszka Ziętkiewicz as well as Prof. Magdalena Hagner - Derengowska who is scientifically involved in physiotherapy.

The aim of the meeting was to gain knowledge in the field of rehabilitation of patients with gait dysfunctions. In the first part of the visit, Michał Dylewski showed the technical facilities of the Professor F. Kaltenborn Centre for Orthopaedic Manual Therapy, including rehabilitation rooms, consultation rooms, and discussed in detail the equipment of these rooms, showing equipment in the field of physiotherapy, rehabilitation, wellness & spa, fitness. He drew particular attention to the professional equipment in possession of innovative diagnostic devices based on modern digital solutions that allow for comprehensive and detailed diagnosis of the needs necessary for the proper development of a therapy plan with the patient.

In the second part of the visit, the SMARTerapy+ project participants became familiar with the operation of selected innovative devices used in work with patients with gait dysfunctions, as well as what data is obtained from these devices and how it is processed.



- **Bioethical Committee**

On 28 October 2021, AWF Katowice presented SMARTer Therapy+ project in front of Bioethical Committee and has continued direct contact with the bioethical board. This action was expressly addressed to provide crucial information to the committee about the project and to obtain a positive opinion regarding the compatibility of bioethical regulations. Obtaining approval from the Bioethics Committee is essential for the work to be carried out under Task IO2 of the SMARTer Therapy+ project.

The European Commission's support for the production of this publication does not constitute an endorsement of the contents, which reflect 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.