



IO4. CONNECTION TO DAIRY INDUSTRY

A1: TOOL KIT TO EFFICIENTLY USE THE PLATFORM

Innovative Dairy Science

Training courses



1. Raw milk Science
overview



2. Milk and dairy products processing fun...



3. Advances in milk and dairy processing



4. Novel dairy products and dairy safety, q...



5. Dairy Science Case Studies



6. Dairy Industry





CONNECTION
ANALYSIS
DATA
SEARCHING
VERIFICATION
CODING
SENDING

Apr May Jun Jul Aug Sep Oct Nov Dec

80000
70000
60000
50000
40000
30000
20000
10000
0

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Innovative Dairy Science

Education material development

1. Introduction

1.1. Description of the project

The dairy industry is one of the most important components of the world food system, and is constantly undergoing changes. Currently processes of change are being driven by a wide range of forces including shifts to the regulatory environment for dairy production and trade, technological changes to the production of milk and dairy products, rapidly shifting consumption trends, and the restructuring of transnational corporate strategies. **InnoDairyEdu** comes as a result of the common need of Higher Education Institutes to provide up to date knowledge and skills in Dairy Science.

The main objective of **InnoDairyEdu** is to provide Food Scientists with the skills required by the labour market and the economy, while allowing them to play an active role in society and achieve personal fulfilment.

The general objectives of **InnoDairyEdu** are to promote European cooperation in education and training, to use innovative practices in education by the strategic use of Information and Communication Technologies (ICT) and open educational resources (OER), to create sustainable links between academia and the dairy industry and to assist the strategic development, quality and internationalisation of the participating Higher Education Institutions. More specifically, **InnoDairyEdu**:

1. Evaluate the training needs in Dairy Science in European Higher Education Organizations.
2. Develop innovative education training materials for EU Universities focusing on Products, Processes, Quality, Safety & Entrepreneurship of the Dairy Sector.
3. Digitalize the education material to be developed.
4. Use ICTs and OER to ensure wider accessibility to knowledge, by developing an interactive MOOC online platform with all the material produced to be uploaded.
5. Pilot test and evaluate the Dairy Science platform with all education material to be developed.
6. Translate part of the educational material at all the languages of the partnership (Greek, Italian, Spanish and Polish) and English in order to be wider accessible.
7. Create a sustainable link among academia and dairy industry, by using ICTs and OER emphasising on entrepreneurship issues.
8. Disseminate the project's results to the academia and the dairy industry.

1.2. General description of the e-learning platform

InnoDairyEdu platform has been developed in order to share with stakeholders (students, academics, professionals and industry) an holistic approach on Dairy Science Education. The material developed is structured in training courses, manuals and interaction channels with dairy industry. The platform employs open educational resources and the latest information and communication technologies in order to provide a user friendly approach on both basic and advanced information on Dairy Science. The concept of the material developed is focused on products, processes, quality, safety & entrepreneurship in the dairy sector. The successful completion of all available Courses under **InnoDairyEdu** may provide 10 ECTS.

2. E- Learning Platform Access

2.1. Required tools to use the web platform

What does the user need to make the best use of the web platform utilities?

What the users need make the best of this website are:

- ✓ Basic Internet knowledge.
- ✓ Internet access.
- ✓ Email account.
- ✓ Software recommended:
 - Microsoft Office.
 - Acrobat Reader¹. Application software to create, manipulate, print and manage files in Portable Document Format (PDF).
 - Winzip/Winrar². It can create archives in RAR or ZIP file formats and unpack numerous archive file formats.

¹ Acrobat reader: <https://www.adobe.com/downloads.html>

² Winrar: <http://www.win-rar.com/download.html> Winzip: <http://www.winzip.com/win/en/downwz.html>

2.2. InnoDairyEdu Course Platform Access

To access to the Platform you must access to the following url from a browser in a personal computer or a mobile device (tablet or smartphone):

<http://innodairyedu.eu/moodle/>

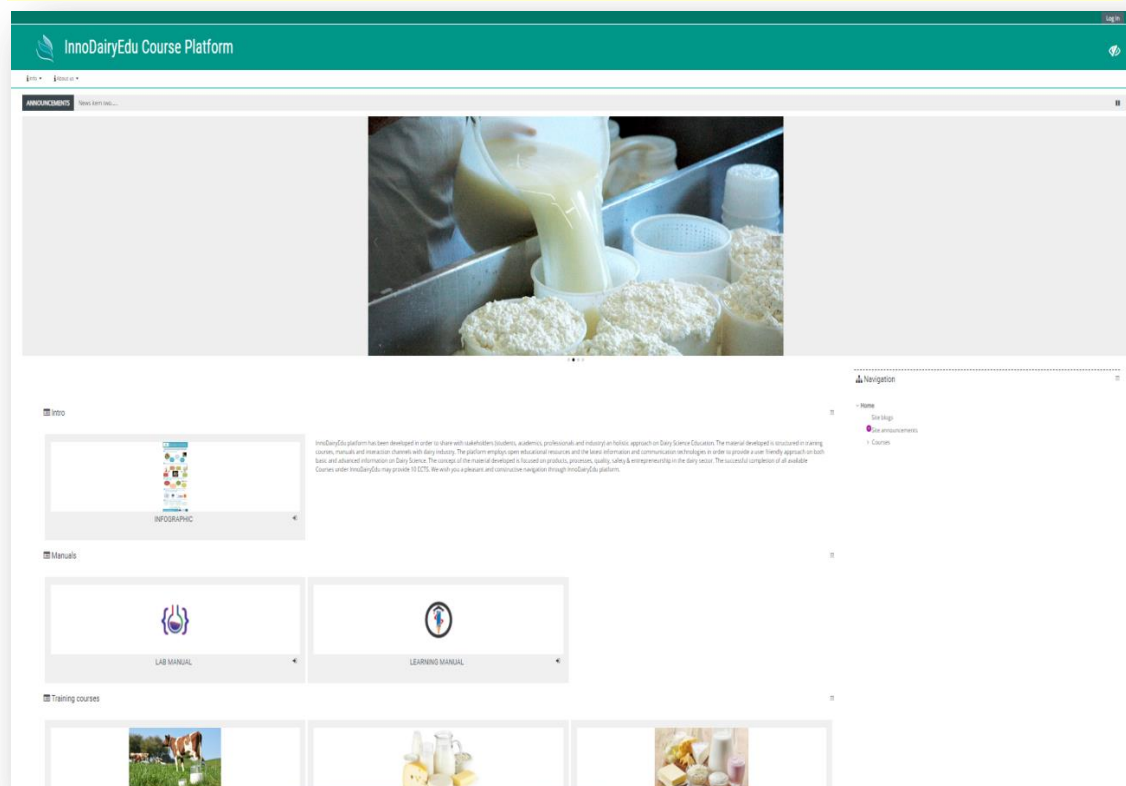


Figure 1 InnoDairyEdu e-learning Platform

Innovative Dairy Science
Education material development

Also, you can access directly through the **InnoDairyEdu** webpage:

<http://innodairyedu.eu/index.php/e-platform-mooc/>



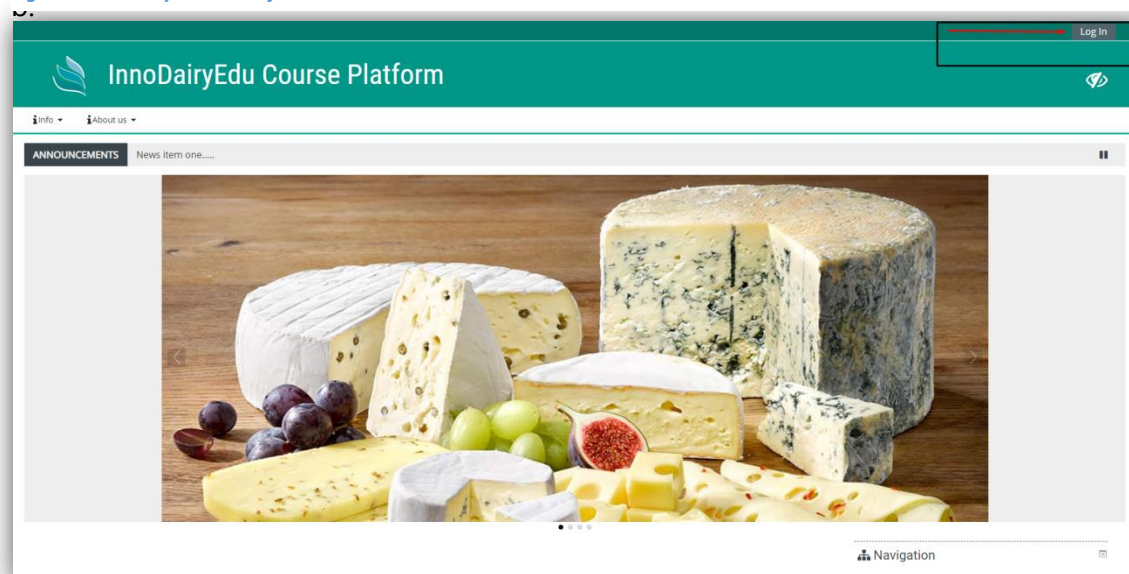
Figure 2 Access e-Platform through InnoDairyEdu website

3. Login-Signup Operations

3.1. Login

- If you are a registered user and have your own account, once you have visited the InnoDairyEdu e-platform click the button **Log In** at the upper-right corner of the homepage.

Figure 3 InnoDairyEdu e- Platform



You will access to the login screen where you must put your credentials: username and your password.

If you don't remember your password, you can request a new password using the Forgot Password screen by clicking on button [Forgotten your username or password?](#). You can also **log in as a guest** having though some restrictions accessing the educational material of the platform.

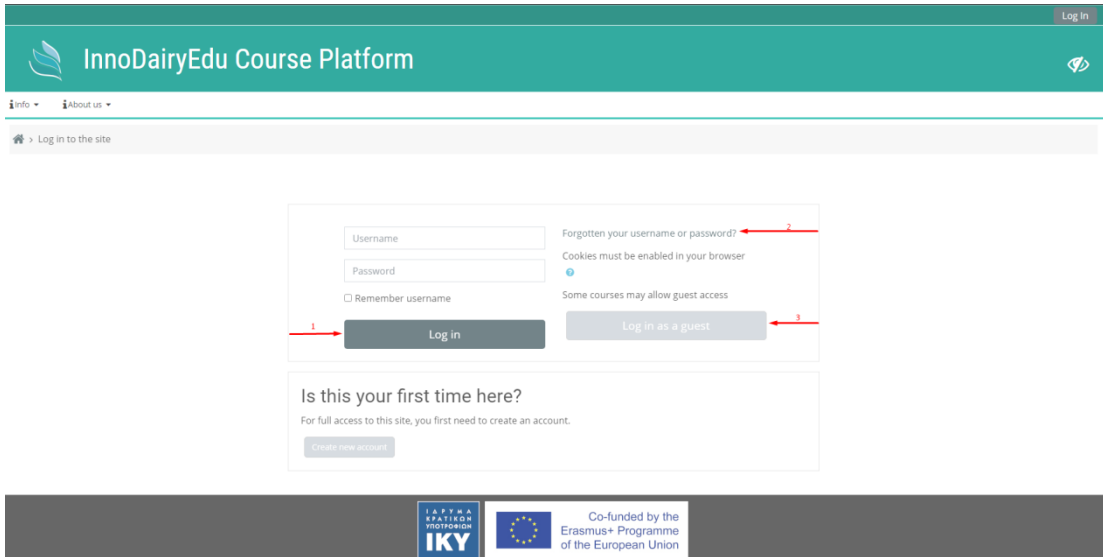


Figure 4 Log in InnoDairyEdu e- Platform

After you request a new password you will receive a confirmation email asking you to follow a link to create new password.

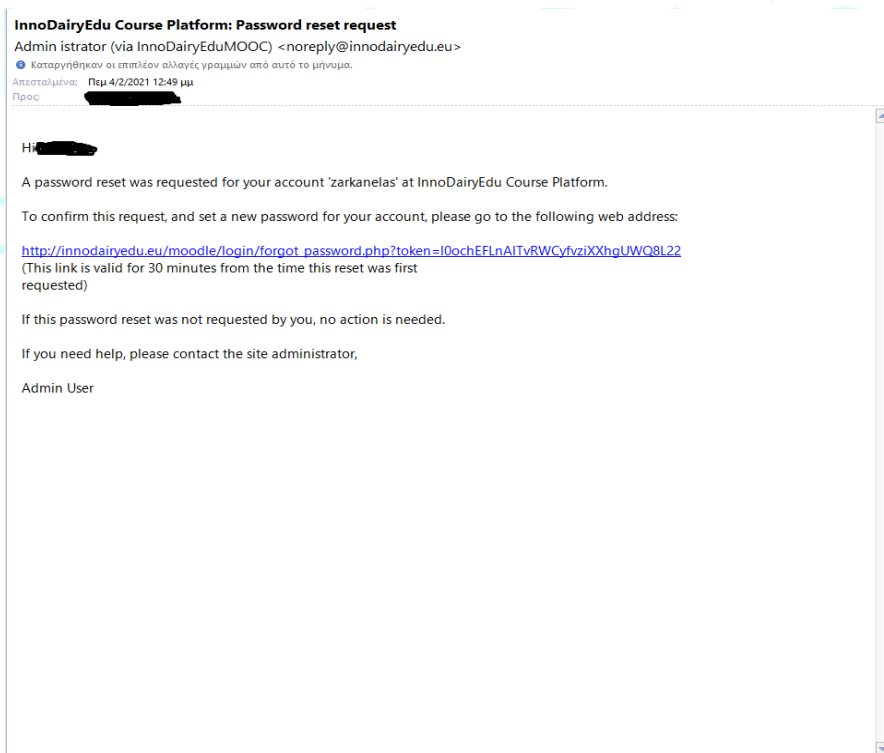


Figure 5 InnoDairyEdu e Platform- Password Reset request

3.2. Signup

To create an account to access the **InnoDairyEdu**-platform is quite simple and easy! First open the following link in a new browser:
<http://innodairyedu.eu/moodle/login/index.php>.

Alternatively you can go to the homepage <http://innodairyedu.eu/moodle/> and click on the Log In button at the upper-right corner of the homepage as it was shown previously in Login steps.

As you are in Login page click the  button as it is shown below.

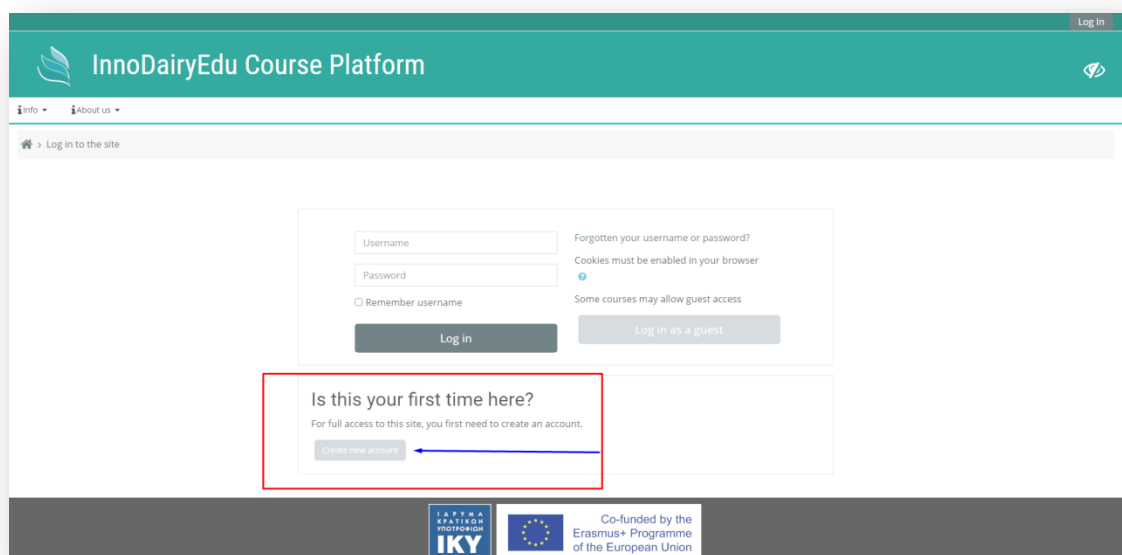
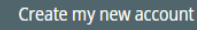


Figure 6 InnoDairyEdu e- Platform- Registration

You will be redirected to registration page, also accessible from mobile devices <http://innodairyedu.eu/moodle/login/signup.php>? Fill out and enter the requested information (make sure your email address is valid) and hit button 

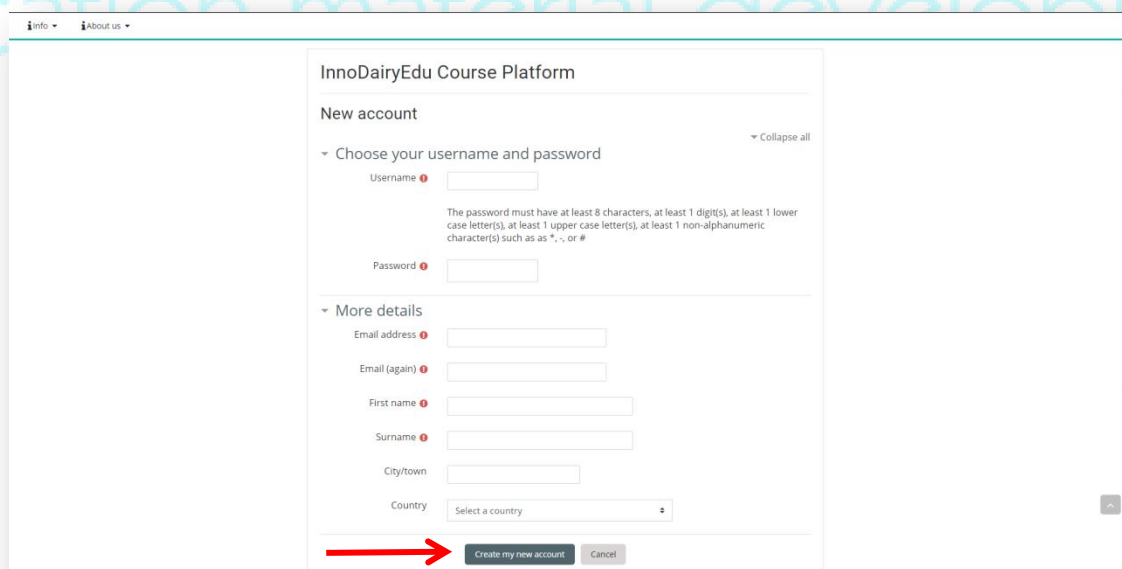


Figure 7 InnoDairyEdu e- Platform- Data Registration

You will receive a confirmation email that will redirect you to a web page in order to confirm your account:

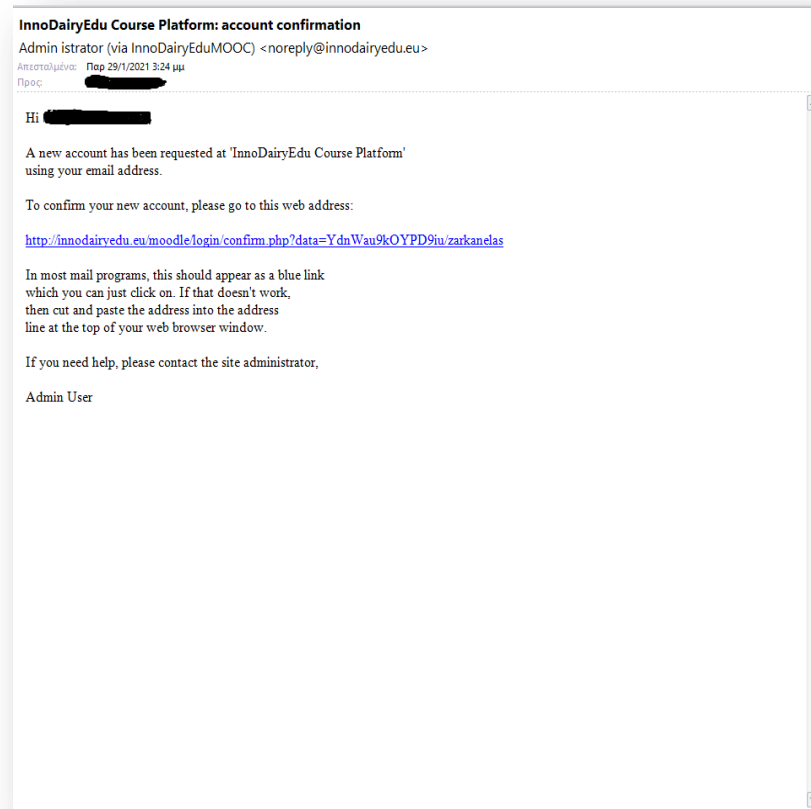


Figure 8 InnoDairyEdu e- Platform- Account Confirmation

4. Homepage

Before you Log in or Register you can have access in the Menu having the chance to get familiar with:

- * The Objectives of the Project.
- * The Website of the InnoDairyEdu EU Project.
- * The guidelines how to use the platform (the present handbook is uploaded there as well).
- * The InnoDairuEdu Consortium and Associated partners (Dairy Industries from 5 countries)

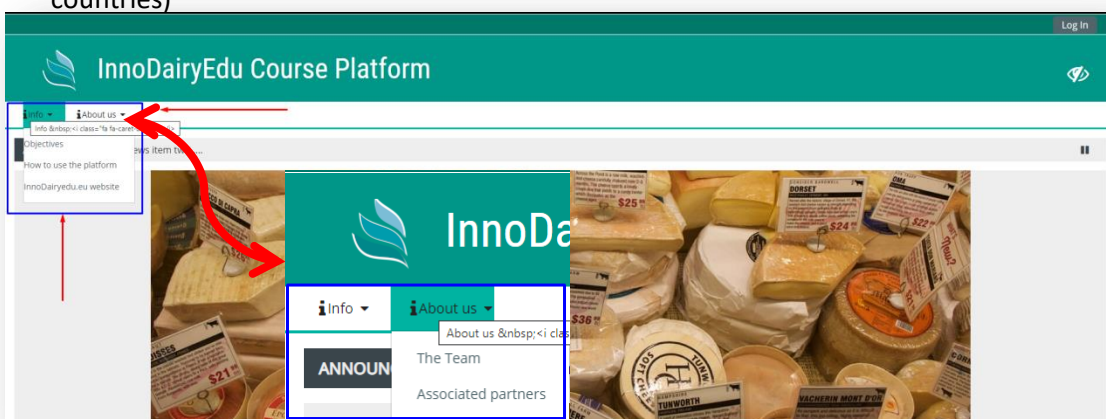



Figure 9 Menu before Logging In

After you log in you are redirected to the Homepage. The Menu consists of:

- Home button.
- Training Manuals button including:
 - Learning Manual submenu.
 - Lab Manual submenu.
- Forum Button which includes the main topics, Mentoring, Entrepreneurship and Dairy Science.
- About us button including (as it was mentioned previously).
 - The Team.
 - Associated Partners.

Additionally the registered user has the ability: a) to view all the Announcements that are published by the administrators, b) to edit his profile and the preferences, c) check his grades and the timeline of the courses and d) review the calendar.

Also, by clicking these buttons  one can view possible notifications and messages from other users or the administrators.

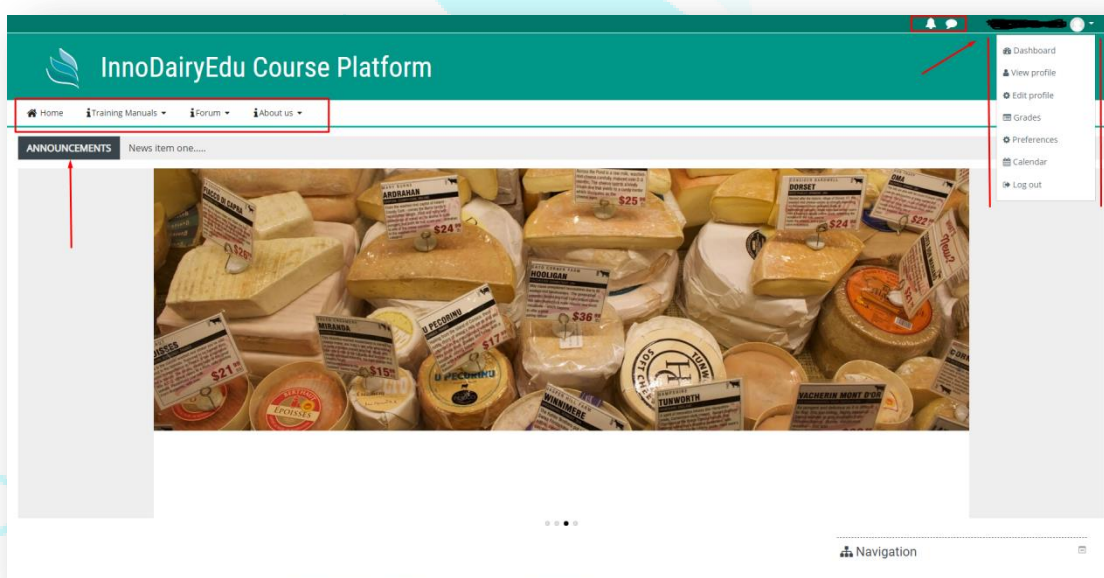



Figure 10 Log In- Homepage

Below the main pictures of the homepage a registered user can see in tiles and visit all the basic sections of the e- Platform. At the right there is a site map- a navigation “tree” that the user can hide it by clicking the “eye” icon  in the upper right and the bottom left of the e- Platform.

In order to understand the structure of the platform, it is important to read the **Introduction** and **Download** the **Infographic** before taking a tour in the Platform.

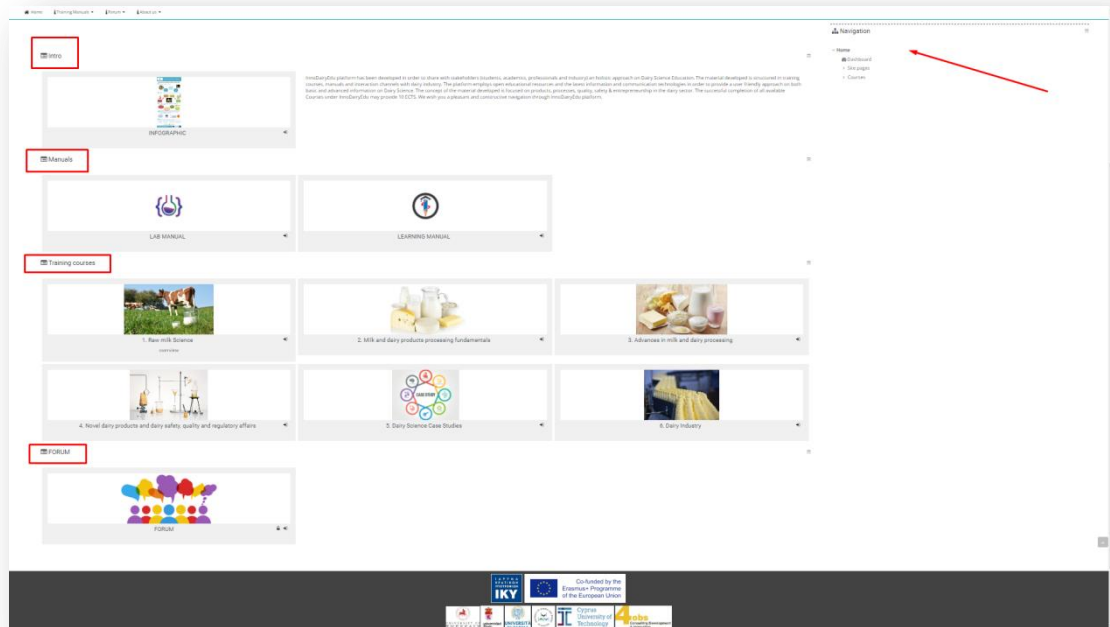
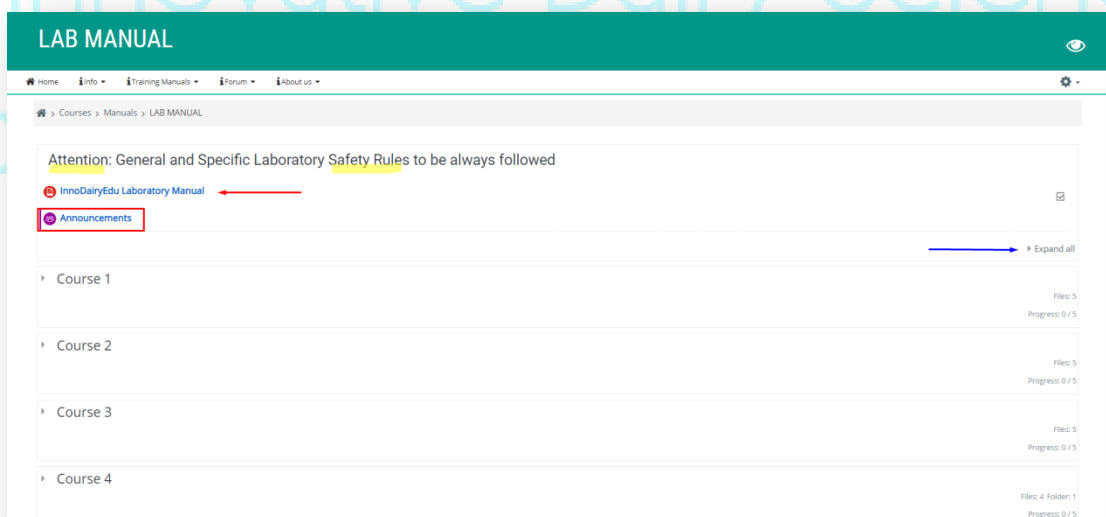


Figure 11 InnoDairyEdu r-Platform- Tiles

5. Training Manuals

5.1. Lab Manual

In the Lab manual section you can click and download in pdf format the InnoDairyEdu Laboratory Manual. You can also review the published announcements from the administrators. At the right clicking “Expand all” the Laboratory manuals from each course will be appeared. You can download the Lab Manuals from each Course and each Training subject separately.



In Course 4 you can access and download 4.4. Research & Development- Dairy Entrepreneurship regarding a product presentation & innovative characteristics of the product case study YESS project submitted by the Food Technology Department, TEI of Thessaly in the ECOTROPHELIA 2018 (*National competition for new innovative food products development*).

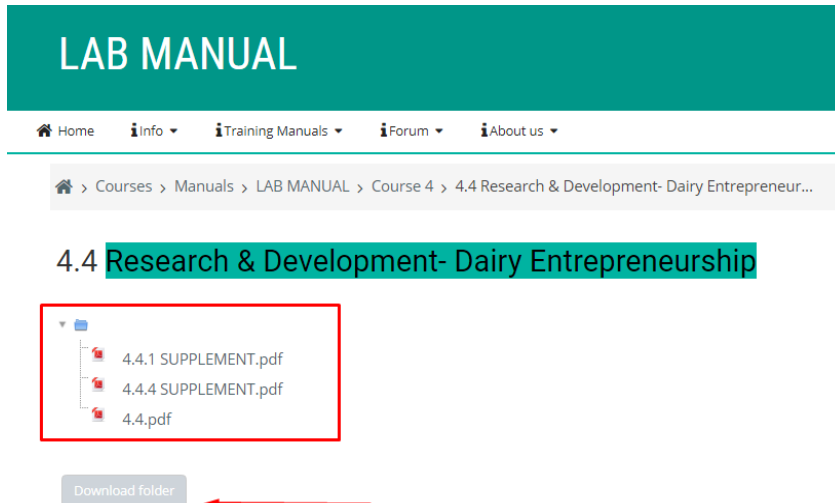


Figure 13 Lab Manual 4.4

5.2. Learning Manual

In Learning Manual submenu registered users can download in pdf format the full Learning Manual in English and in the languages of the participating countries (Greek, Spanish, Italian and Polish). Also they can study on site the InnoDairyEdu Learning Manual and the Learning Manual of the four (4) Courses.

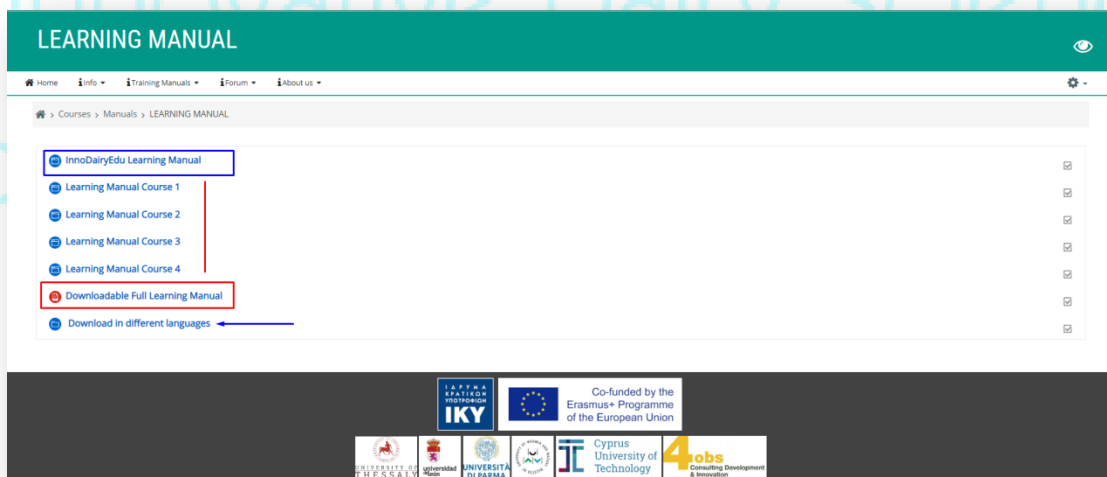


Figure 14 Learning Manuals

6. Training Courses

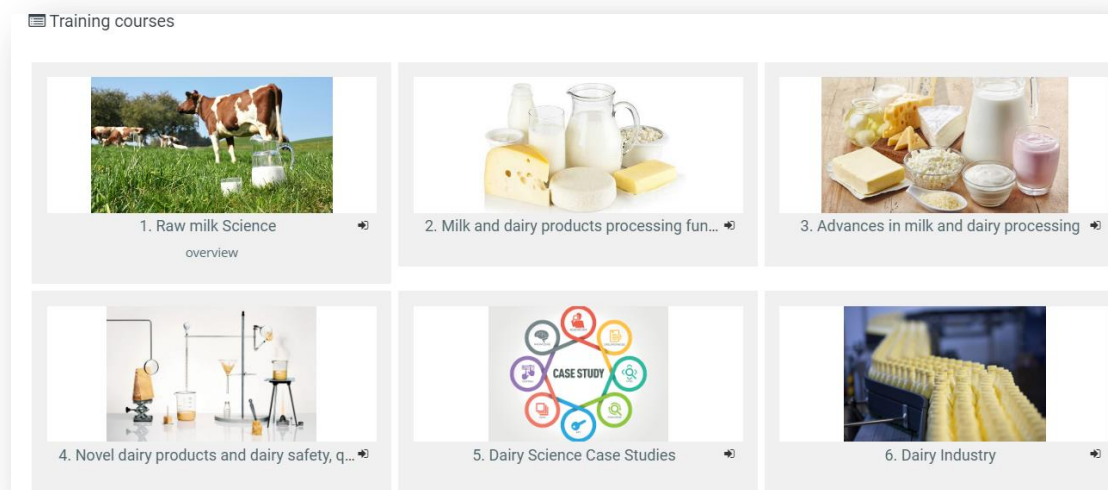


Figure 15 Training Courses

By choosing one of the courses you will be directed to the page of each course. Taking as example the 1st Course, each course contains:

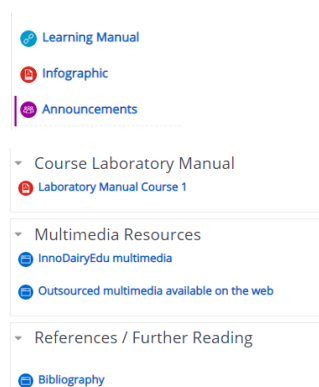


Figure 16 Training Courses Contents

Each Training Subject contains:



Figure 17 Training Subjects

If you choose the assessment before enrolling the course you will get the message:

You need to enrol in this course before you can attempt this quiz

Continue

Figure 19 Assessment Message

Course 1 General Overview	
Milk provides essential nutrients and is an important source of dietary energy, high-quality proteins and fats. The species of dairy animal, breed, age and diet, along with the stage of lactation, farming system, physical environment and season influence the milk quality characteristics. Course 1 initiate from dairy livestock data and carries on further, providing information related to the principles of milk synthesis and production and to the chemical and microbiological profile of raw milk, while it finally concludes on raw milk attributes and perspective on dairy processing, quality and safety.	
Learning Manual	<input checked="" type="checkbox"/>
Infographic	<input checked="" type="checkbox"/>
Announcements	<input type="checkbox"/>
Expand all	
1.1 Milk Synthesis and Production	SCORM packages: 4 Folder: 1 URL: 1 Quiz: 1 Page: 1 Progress: 0 / 8
1.2 Raw Milk Chemical Profile	SCORM packages: 4 Folder: 1 URL: 1 Quiz: 1 Page: 1 Progress: 0 / 8
1.3 Raw milk Microbiological Profile	SCORM packages: 4 Folder: 1 URL: 1 Quiz: 1 Page: 1 Progress: 0 / 8
1.4 Raw Milk Hygiene, Safety and Quality	SCORM packages: 3 Folder: 1 URL: 1 Quiz: 1 Page: 1 Progress: 0 / 7
Course Laboratory Manual	URL: 1 Progress: 0 / 1
Multimedia Resources	Pages: 2 Progress: 0 / 2
References / Further Reading	

Figure 18 Training Courses Page

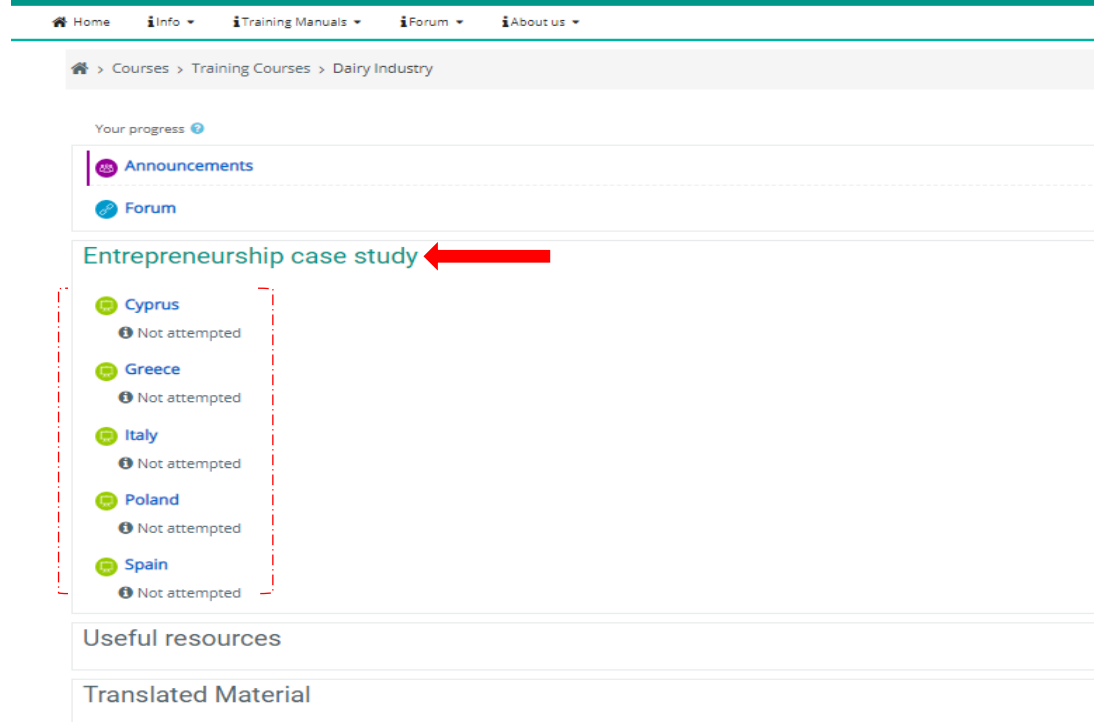
In Training Course 5 “Dairy Science Case Studies” the structure of the course differs.

Case Study 1: Raw milk reception at the dairy industry	Case Study 2: Starter cultures management in PDO/non- PDO cheeses	Case Study 3: Development of an Innovative Whey-Based Product	Case Study 4: Campylobacteriosis cases through consumption of raw milk
Introduction	Introduction	Introduction	Introduction
Aim	Aim	Aim	Aim
Required Reading	Required Reading	Required Reading	Required Reading
Case Study 1	Case Study 2	Case Study 3	Case Study 4
Downloadable Workflow	Take home message	Downloadable Workflow	Take home message
Take home message		Take home message	

Figure 20 Dairy Science Case Studies

In Training Course 6 “Dairy Industry” you will find five (5) Entrepreneurial Case Studies from each country

6. Dairy Industry



Home > Info > Training Manuals > Forum > About us

Home > Courses > Training Courses > Dairy Industry

Your progress

Announcements

Forum

Entrepreneurship case study

- Cyprus
 - Not attempted
- Greece
 - Not attempted
- Italy
 - Not attempted
- Poland
 - Not attempted
- Spain
 - Not attempted

Useful resources

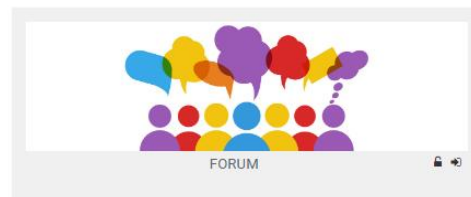
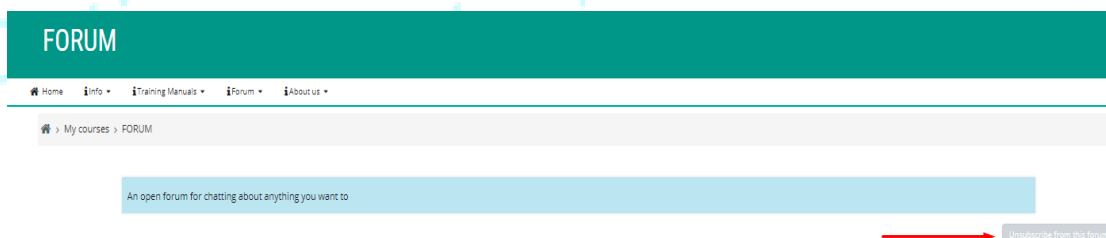
Translated Material

Figure 21 Entrepreneurial Case Studies

7. Forum

When you enter the Forum and if you wish to start a Topic or to participate in a conversation, you have to subscribe in the Forum.

FORUM

FORUM

Home > Info > Training Manuals > Forum > About us

My courses > FORUM

An open forum for chatting about anything you want to

Unsubscribe from this forum

Figure 23 Forum Subscription

If you do so, you will receive an email welcoming to the Forum and suggesting you to edit your profile where you can describe your background, your interests, upload a picture or other files or add more data about yourself (phone number, address, social media, webpage etc.).

Welcome to FORUM

Gr_InnoDairy Manager (via InnoDairyEduMOOC) <noreply@innodairyedu.eu>

Account status: New 4/20/2021 8:21 pm

Topic: [REDACTED]

Welcome to FORUM!

If you have not done so already, you should edit your profile page so that we can learn more about you:

<http://innodairyedu.eu/moodle/user/view.php?id=49&course=10>

Figure 22 Email Forum Subscription

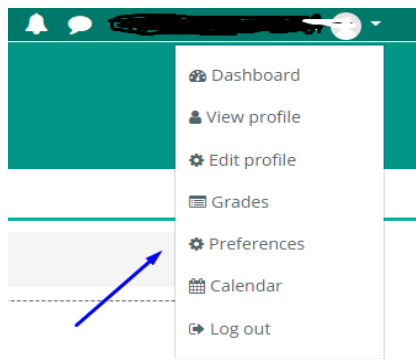


Figure 24 Editing your Profile

Since you are subscribed in the **Forum** you can add a Discussion Topic having two choices. The first is to fill out the *Subject* and the *Message* you want to discuss about and to post it on the **Forum**.

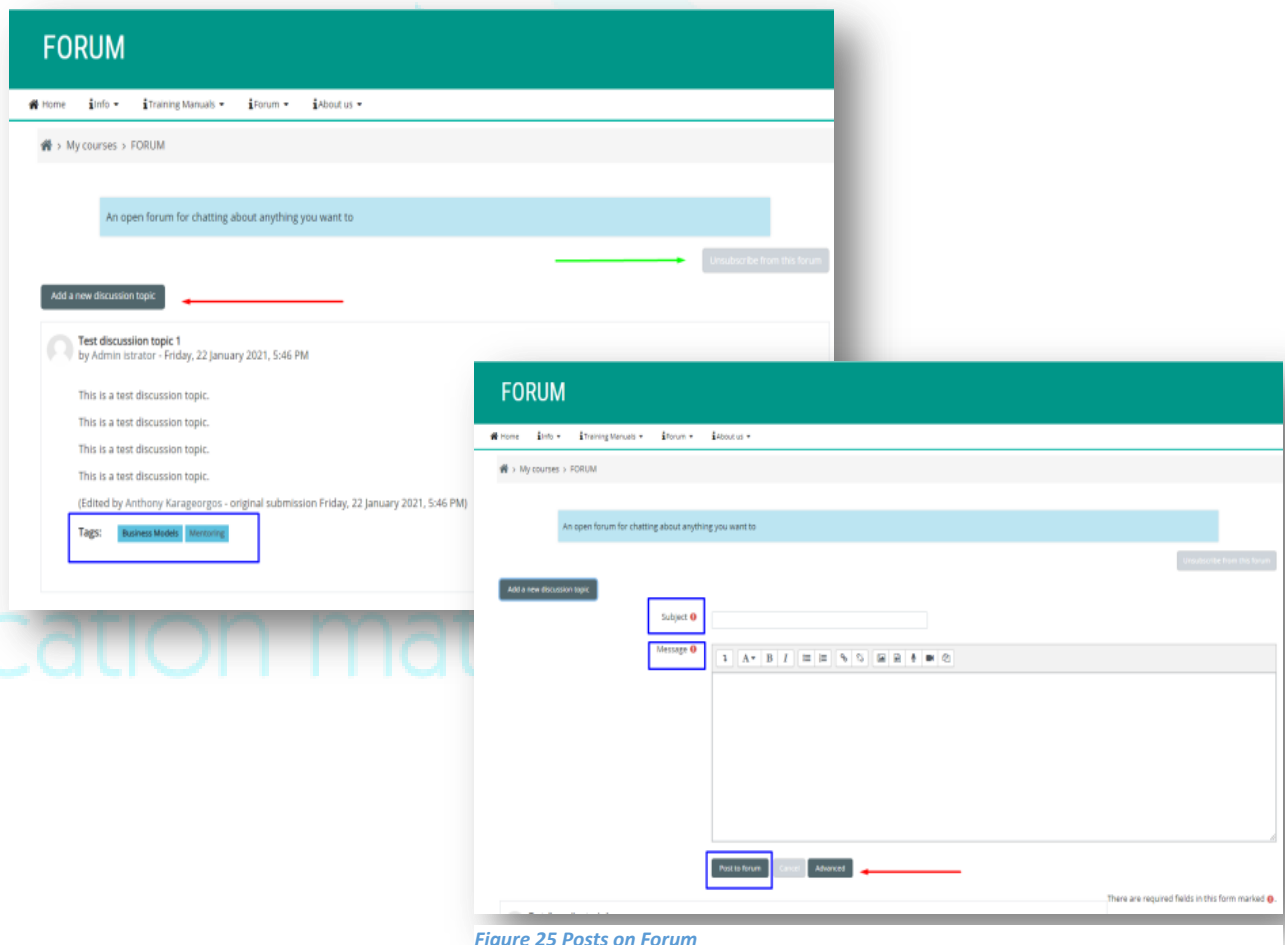
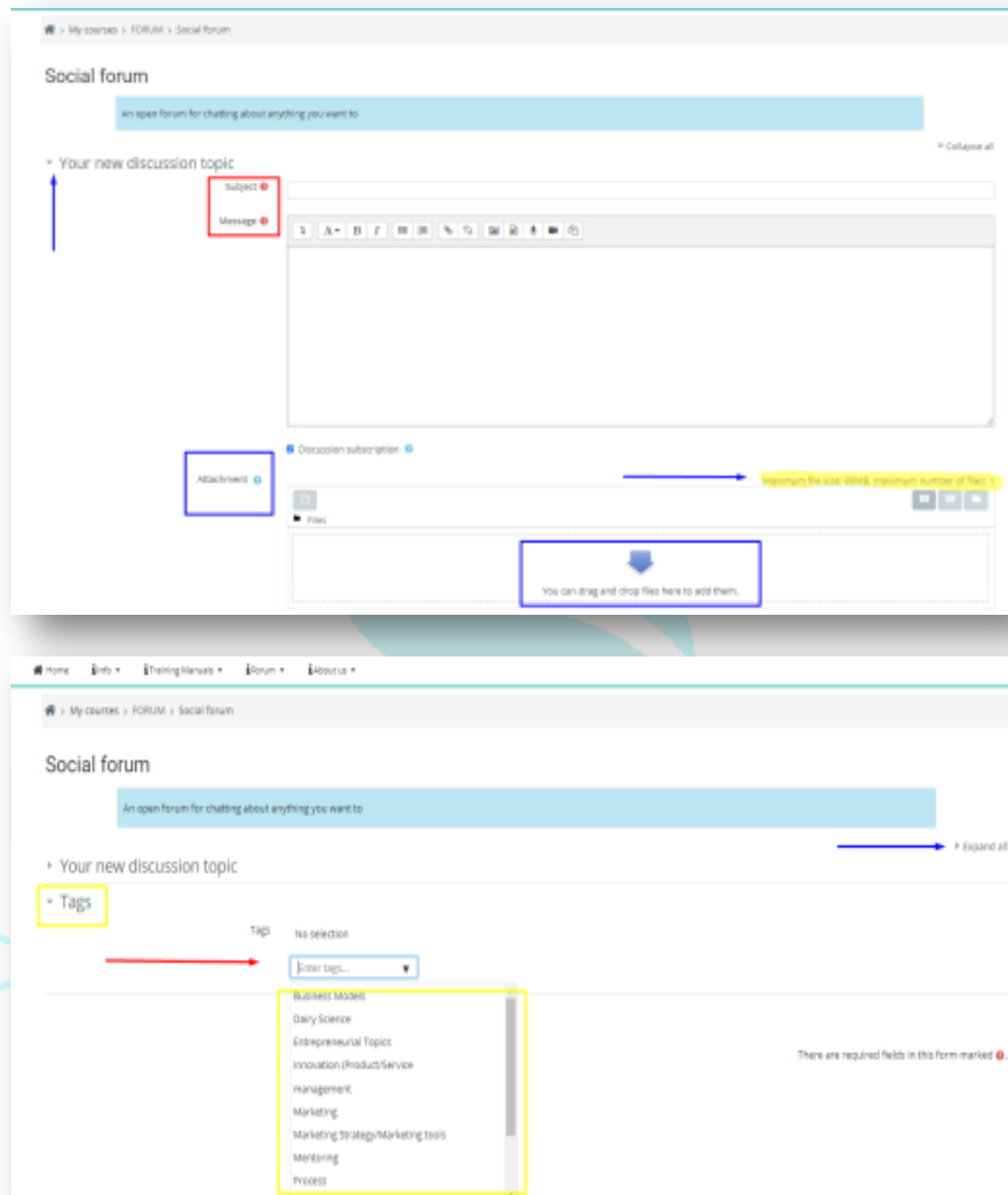


Figure 25 Posts on Forum

The second is to press “*Advanced*” button before you post your message. In this section you have the chance to upload files up to 80mb, but the most important is that you can add Tags such as “*Dairy Science, Mentoring, Business Models, SWOT,*

Marketing Strategy/ Marketing tools, Sales strategies/Export strategies, Production methods (infrastructure/ equipment). The Tags are really important not only for defining the subject of the topic inviting the appropriate registered users to participate in the discussion, but also because Tags are added in your site of interests.



The image displays two screenshots of a 'Social forum' interface. The top screenshot shows the 'Your new discussion topic' form. It includes a 'Subject' field, a 'Message' field with a rich text editor, an 'Attachments' section, and a file upload area. The bottom screenshot shows the same form with the 'Tags' dropdown menu open, displaying a list of categories: Business Models, Dairy Science, Entrepreneurial Topics, Innovation (Product/Service), management, Marketing, Marketing Strategy/Marketing tools, Mentoring, and Process. A red arrow points to the 'Tags' dropdown, and a yellow box highlights the list of tags. A message at the bottom right states: 'There are required fields in this form marked with a red dot.'

Figure 26 Advanced Posts on Forum

Take a Tour

InnoDairyEdu



<http://innodairyedu.eu/moodle/>



Innovative Dairy Science

Education material development



UNIVERSITY OF
THESSALY



universidad
de león



UNIVERSITÀ
DI PARMA



Cyprus
University of
Technology

4obs
Consulting Development
& Innovation



Co-funded by the
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of the European Union



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