IMAS

IMAS Project

2019-1-ES01-KA201-065104

IMAS

Teacher's Guide

Date: September 2021

Version: 1.0

Document Info

Document Name:	IMAS Teacher's Guide
Initial version & date:	Version 1.0 September 2021
Authors:	Saturio Rodríguez
Editors:	Mariano Sanz

Distribution List

Organisation		Person
	UMA Universidad de Málaga	Julio Ruíz-Palmero José Sánchez Rodríguez Enrique Sánchez Rivas Ernesto Colomo Magaña Rocío Pérez del Río
	PRO WORK Sitchting Kenniscentrum Pro Work	Theo Grefkens Tessa den Bekker Dylan Adelaar Ilaria Vichi
	AHS Arteveldehogeschool	Els Coussement Ilse Lanszweert Valerie Ver Gucht
	CARDET Centre for advancement of research and development in educational technology ltd-cardet	Charalambos Stergiou (supporting team) Marios Pitsilides (financial manager) Irene Theodoulou
	FIPL Future in Perspective Limited	John Latham Sarah Land Mike Keegan Noeleen Land
	JAITEK Jaitek Tecnología y Formación SL	Mariano Sanz Prieto Saturio Rodríguez Fernández Gema de Pablo González Marcos Sanz Prieto

Version: 1.0
Date: September 2021

Content

Introduction

This small guide is intended to help teachers in the first steps into IMAS test system. It presents the environment and the process of accessing and using IMAS tests so they can support his/her students and to get reports on Baseline Tests activity.

Getting access and Language

IMAS tests are implemented as Moodle questionnaires. You can get access to IMAS Moodle platform at:

https://learning.imas-project.eu

In IMAS front-page you will find two main initial dialogs (both shown in next picture):

- Language menu: near page top-right with the shape of a globe you will find an icon with the shape of a globe; it will give access to the dropdown language menu. If your preferred language is not automatically selected use this menu to choose it. It will maintain your selection during your whole session.
- Log-in form: Also, on top-right area of the page. Use it to gain access to the platform with your personal account.
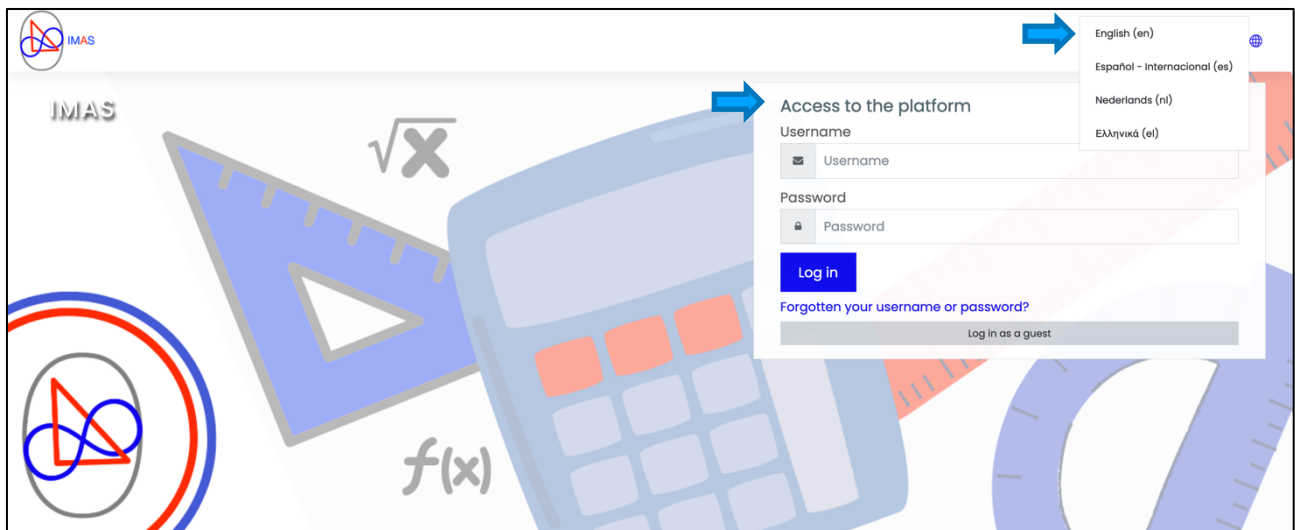
Use your personal username and password to enter.

User accounts: Login names and passwords

Each teacher and student will have a predefined username and password, which will be automatically generated. These names will be anonymous and will contain information about the organization number and the country code.

They will look like this:

<div align="center">

imas-teacher-030001-be

imas-student-030001-be

</div>

Once users enter the platform for the first time using these given usernames and passwords, they will be forced to change the password to a new personal one. Users will need to use upper and lowercase letters, numbers and standard symbols (* - %&# ...)


Groups (Courses) and Tests (Quizzes)

IMAS Moodle platform allows us to create different courses. In this case, a folder called **IMAS Tests** was created in order to compile all the different tests in the project.

However, when we access the platform, we will not be directly located to this folder but to the personal dashboard.

To access the **IMAS Tests** folder, we need to use the Navigation menu on the left side of the screen. You will find under **My courses** the **IMAS Tests** folder and a list of short names of all your courses. If you select **IMAS Test** folder, in the main area of the page you will see the categories and courses tree under IMAS Tests. It is arranged with a category per country; there is also an "Example Country" category for demonstration purposes. You can also browse on this category tree to find your courses and tests.

Alternatively, you can select "Site Home" from the Navigation menu and you will get the Courses section of the site showing the full Moodle content. In the same way, you can browse on it to find your courses and tests.
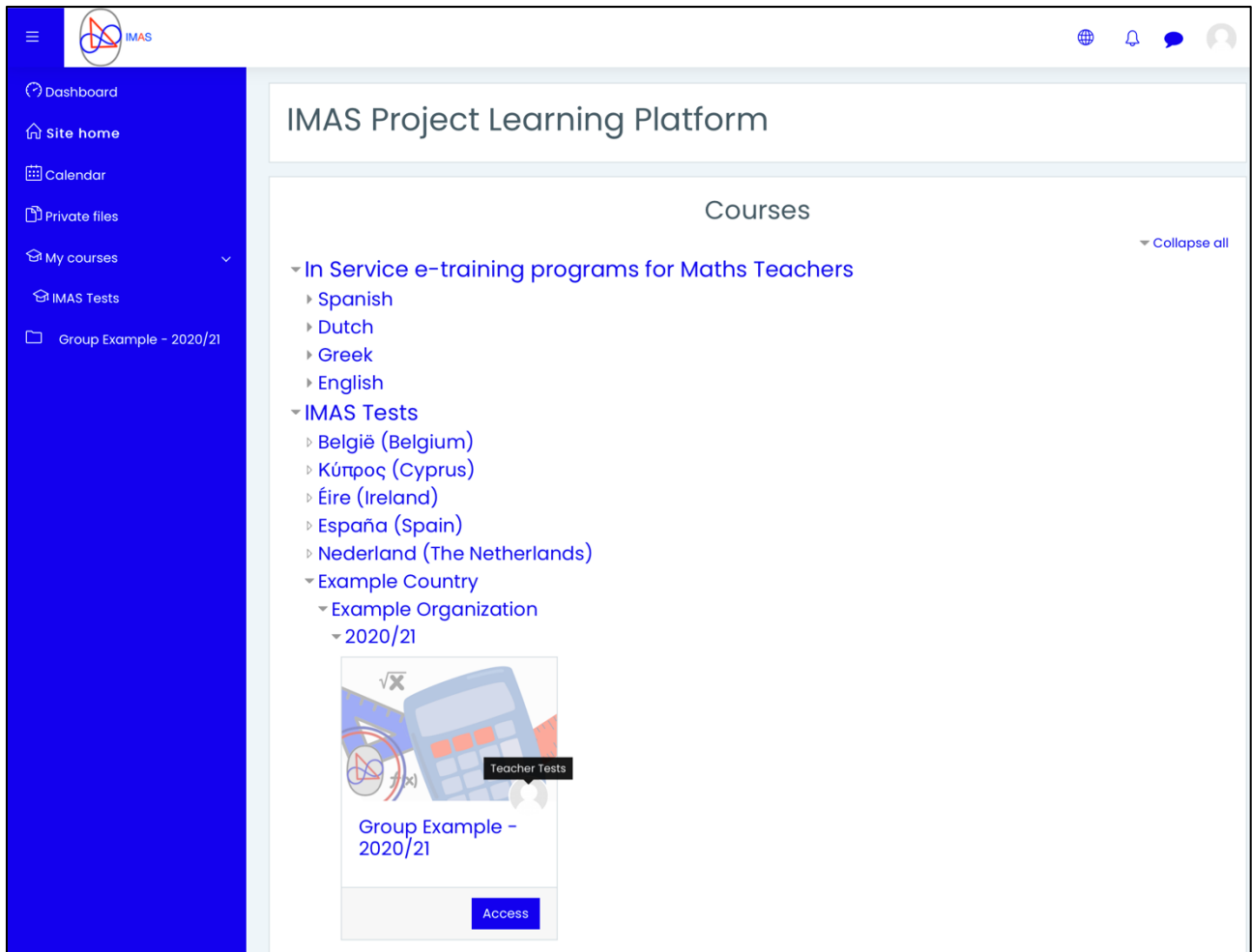
Again, if you select **IMAS Tests** category to access the tests area of the platform there, it can be observed that there is a specific folder for each of the partners' country.
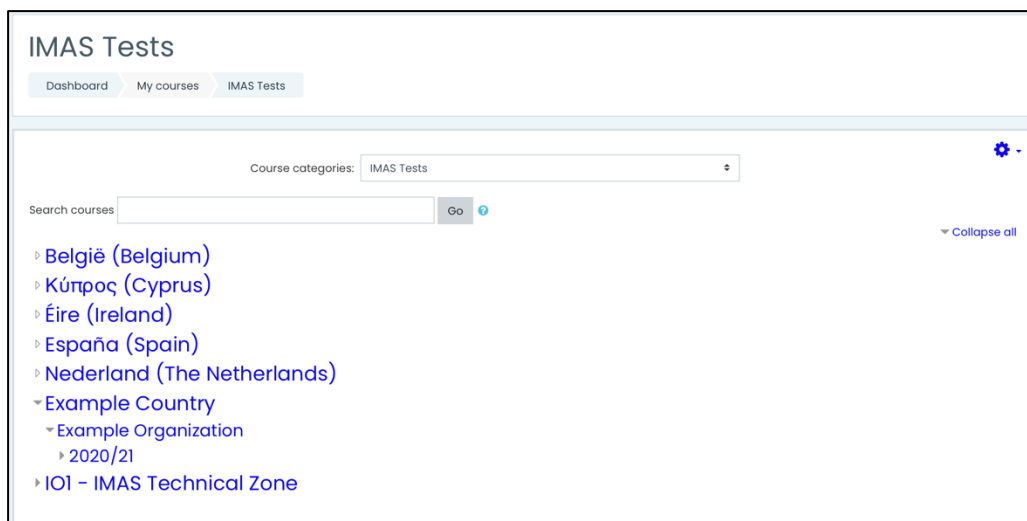

If we access one specific country, we will have the different schools and organizations. After choosing the desired one, we will have to choose the academic year. Finally, the different groups corresponding to these elements will be shown on screen. Each of these

groups is implemented as a Moodle course. The name of the course is formed by the name of the group and the corresponding year.
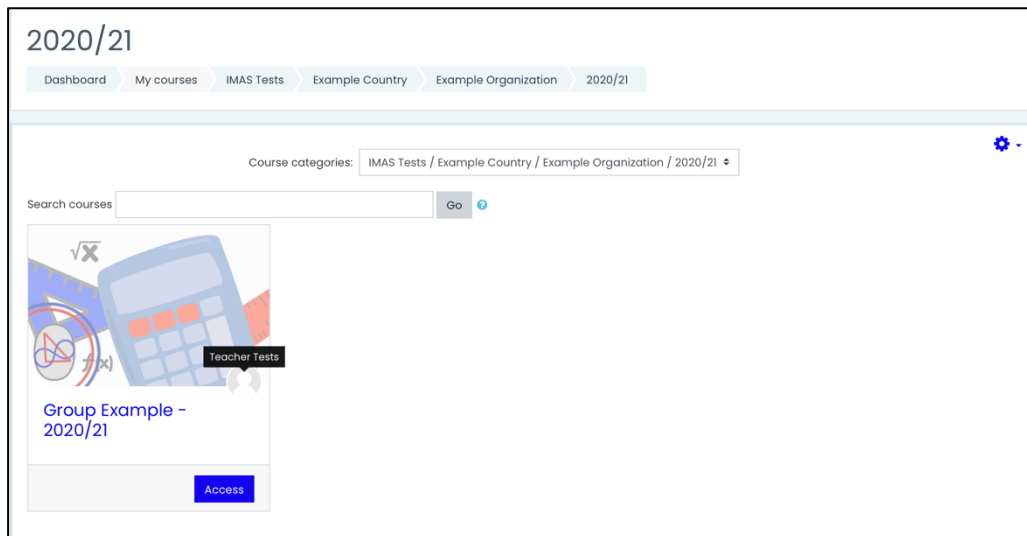

As it can be seen in the picture, once we have selected the desired location, we will have access to the course, named after the name of the group and the corresponding year. Moreover, the name of the teacher responsible for the course can be also seen below ("Teacher Tests" in the example).
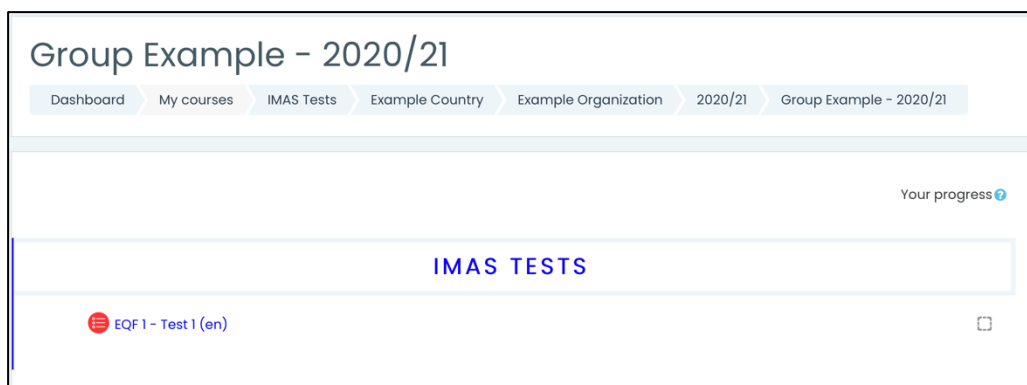
Each of the courses, will have the typical Moodle structure, being it possible to have as many tests as needed. The name of each of the quizzes is assigned according to the corresponding EQF level, test number and the acronym of the language used in the test.

Students just need to enter the test and push "Attempt quiz now" button.
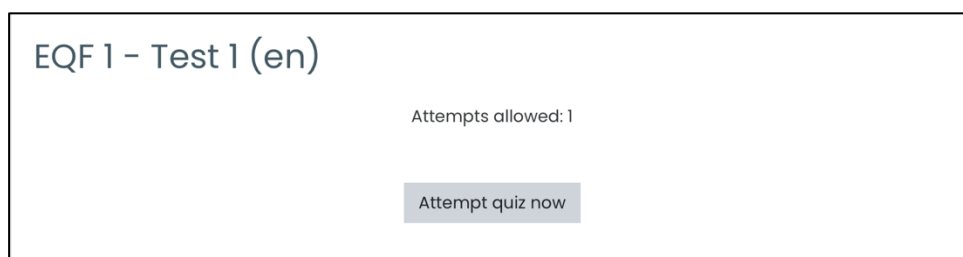
Following figure shows the final look of a test.

Students need to finish and send the 'attempt' to be considered as a full answer to the test. Note that only 1 attempt is allowed per student.

Attempts and results

Once the test is completed by the students, teachers can see how many people have responded. To do this, they must enter the test and see the total number of attempts made. In addition, teachers can also see the result obtained by each student.
There are two ways to view it:
- By clicking on "Attempts"
- By clicking on "Results"-"Grades" in the Administration section.

(You can see both links in next figure)

If you click "Attempts" or "Grades" it will show you the full list and this is the visual appearance. The first number that appears on the "Grade" column would be the final grade of the student, while the rest of the columns represent the punctuation received in each of the answered questions.

	First name / Surname	Email address	State	Started on	Completed	Time taken	Grade/10.00	Q. 1 /0.50	Q. 2 /0.50	Q. 3 /0.50	Q. 4 /0.50	Q. 5 /0.50	Q. 6 /0.50	Q. 7 /0.50	Q. 8 /0.50
☐	Student Tests Review attempt	test-stdt@imas-project.eu	Finished	9 September 2021 5:42 PM	9 September 2021 6:59 PM	1 hour 16 mins	3.00	✔ 0.50	✖ 0.00	✔ 0.50	✖ 0.00	✖ 0.00	✔ 0.50	✖ 0.00	✔ 0.5
	Overall average						3.00 (1)	0.50 (1)	0.00 (1)	0.50 (1)	0.00 (1)	0.00 (1)	0.50 (1)	0.00 (1)	0.50 (1)

Moreover, teachers can also view on the same report the overall level of their class by seeing the total score chart and the distribution of grades.
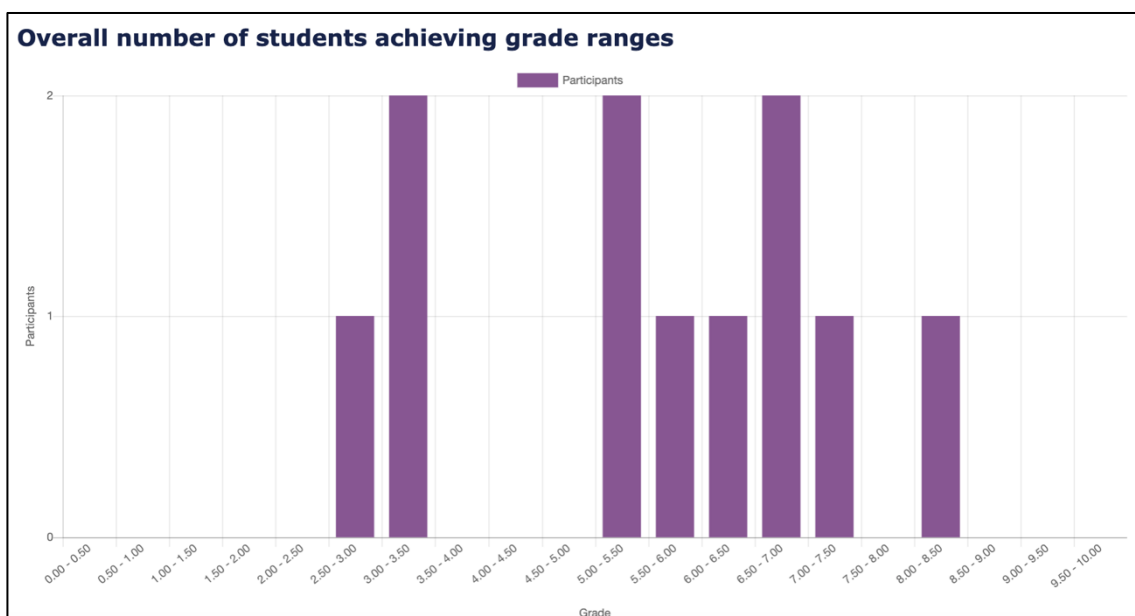
If teachers click on "Review attempt" for each student from the attempts list, they will be able to see the test as the student has answered it.
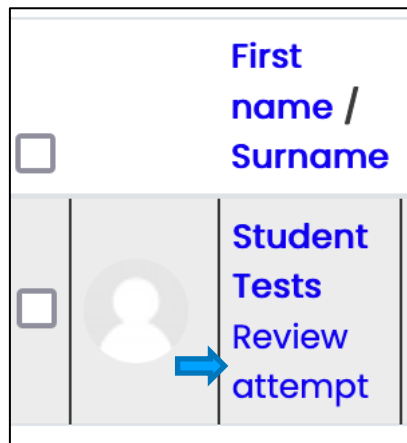
At the top right, teachers can see in green the questions students have answered correctly and in red the ones they have not and, question by question, teachers can see the option selected by the student and the feedback given by the platform.

Everything about reports presented so far are standard Moodle tools. In the rest of this guide IMAS Project specifically developed functionality is shown.

"IMAS statistics" menu

IMAS Moodle platform allows us to obtain information about our students' performance in each of the tests and very general information about the different organizations and groups participating in the project.

The Access to this functionality is by navigating through the "Navigation" Block which can be found in the 'blocks drawer" in the left part of the page. I will be available always in your Moodle general and course pages. There you will find the "IMAS statistics" menu as in the picture:
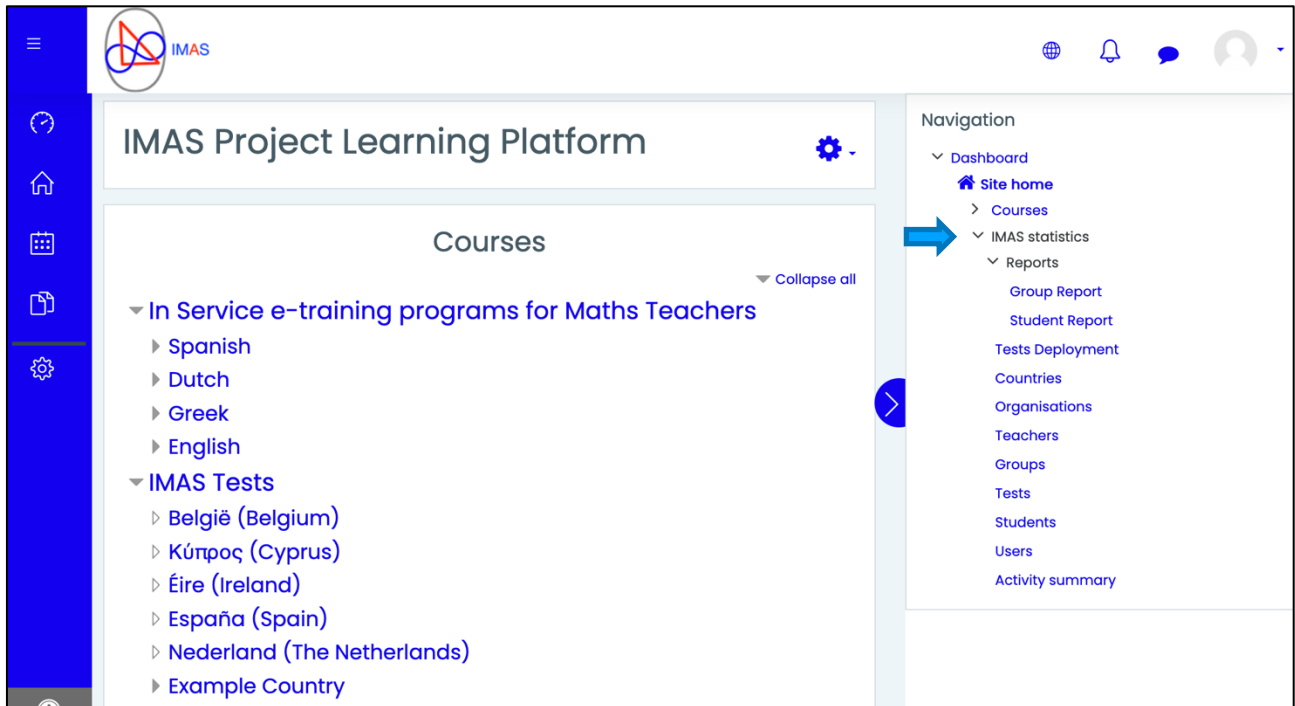
This menu offers different options:

Reports

Reports: this section offers the possibility to follow both groups and students' progress and performance.

- Group report: choose this report in order to check the results of tests achieved by one specific group *(see next figures)*.

After selecting all the elements that define our group (country, organization, teacher and group we want to check), and using "List Results" button, we could have a detailed vision of the results of this specific group.

This results appear in a very visual way with the following elements:

- A heading with the group summary information

- A section for each EQF level summarizing all the tests performed by the gorup in this level. If the group has tests of different EQFs, in addition to that, an initial section with the global averages and the same structure is shown. Each of those sections has the following structure
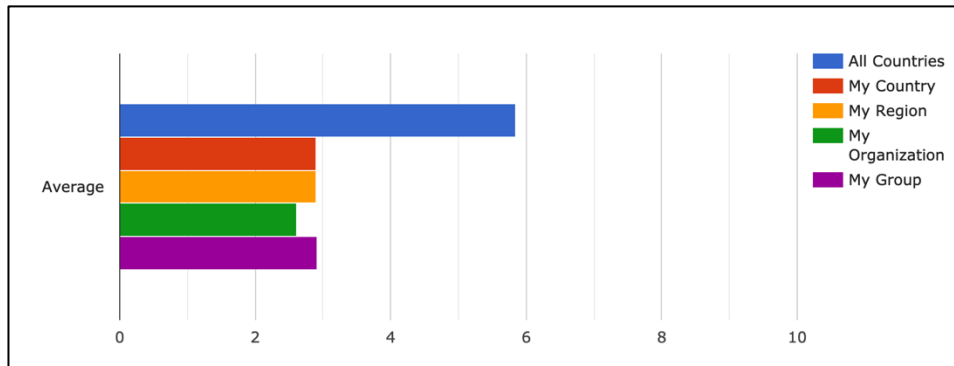
   - A heading with the summary information for given EQF level tests

o A bar chart with group final grade average in relation to the same for upper 'contexts': the rest of the organization, the region, the country and global.

o And for each of the same 'contexts', a 'Radar' or 'Spiderweb' chart showing the average grade split by specific areas, so there are a total of 5 charts like this one:
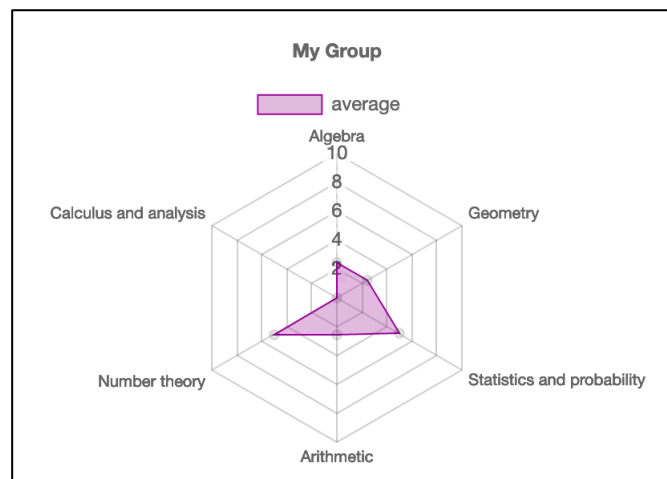
- Finaly, a DATA DETAILS section is shown with the full set of data, including each student grades with details per area and topic. The table works a lot as a Dynamic Table in Excel and the user can interact with it, getting different aggregation schemes.

- Student report: this report allows teachers to check a specific student's results, in all the tests answered over the time.

We will have to select the country, the organization and the student. Keep in mind, that as it can be seen in the pictures, only students who have already finished a test will appear.

Once we have selected a student, the report showing the student's results will appear. It includes the chronological evolution of consecutive test answers final grades and a table with every test answer details per area and topic. Elements in the report are:

- A heading with the student summary information

Country: Spain
Organization: Open IMAS (ES)
Student: Tests, Student
Student Org id: student-1
Gender: Female
**Year of birth:** 2012
Number of tests: 1

- A section for each EQF level summarizing all the tests performed by the student in this level. If the group has tests of different EQFs, in addition to that, an initial section with the global averages and the same structure is shown. Each of those sections has the following structure:

  - A heading with the summary information for given EQF level tests

  # EQF: 1
  Number of tests: 1
  Average Grade: 7

  - A Graph with results for all the tests. If there is only one answered test, a bar graph is shown. If more than one test exists then a line graph is shown with test results in a timeline order. Tests are identified by a serial number and the answer date. Graphs allow interaction to switch on and off each bar/line so it is easier to focus on relevant information.

Area Results per Test
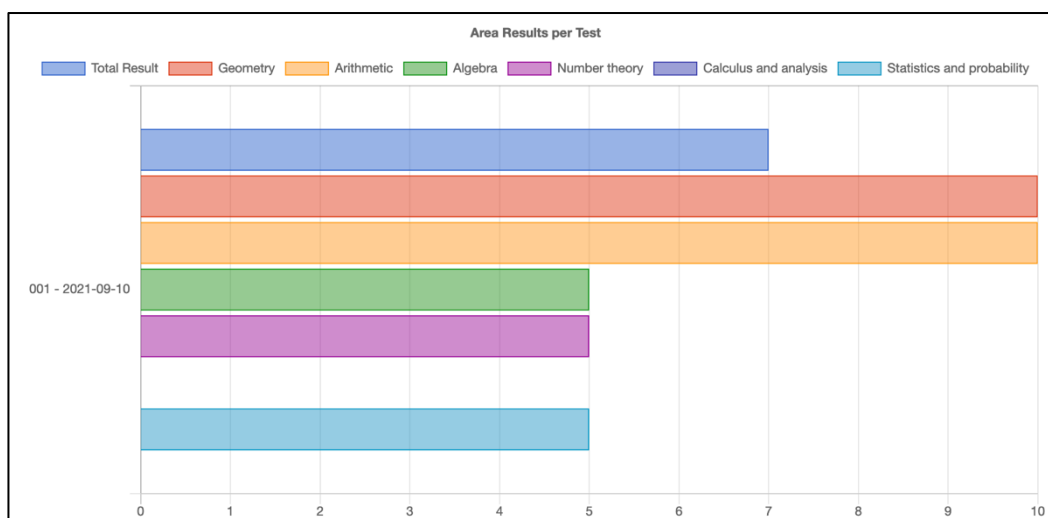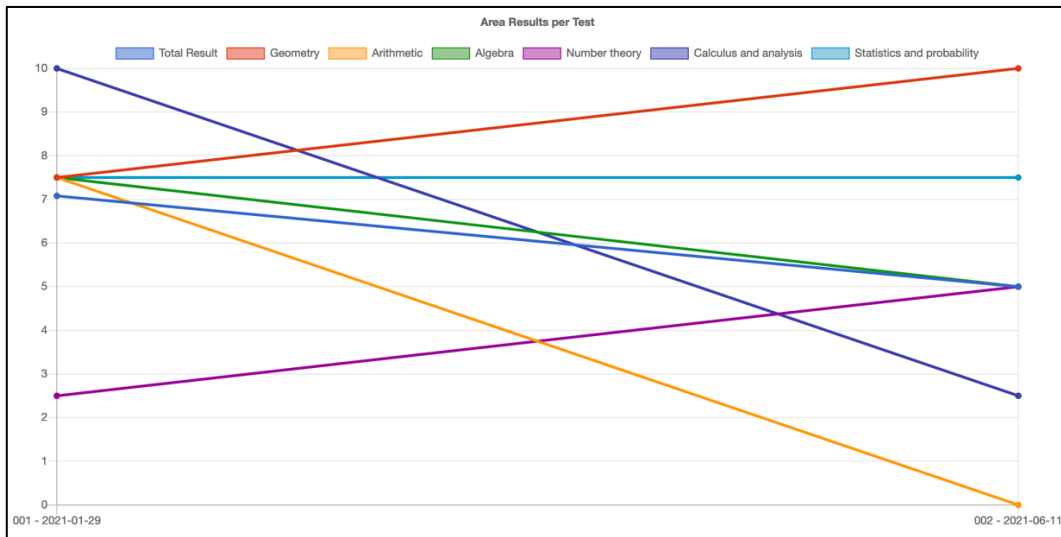
- Finaly and in the same way as for the Group report, a DATA DETAILS section is shown with the full set of data, including the student grades with details per test, area and topic. The table works a lot as a Dynamic Table in Excel and the user can interact with it, getting different aggregation schemes.

DATA DETAILS

| EQF | Test Model | Teacher Name | Group Name |

Grade ▼

Test ▼	Area ▼	Topic ▼	Total
⊟ 001 - 2021-09-10	⊟ Algebra	Algebraic structures	0.00
		Basic operations and factoring	10.00
		Equations	10.00
		Logic	0.00
		Total	5.00
	⊞ Arithmetic		10.00
	⊞ Geometry		10.00
	⊞ Number theory		5.00
	⊞ Statistics and probability		5.00
	Total		7.00

|◀ ◀ 1 ▶ ▶| Page size: 100 ⌄

- Teachers GPS report: this report allows teachers to identify useful resources given the results for one of his/her groups.

We will have to select the country, the organization, the techer and one of his/her groups.

The report has mostly the same structure as the Group report with the following elements:

- A heading with the group summary information

- A section for each EQF level summarizing all the tests performed by the gorup in this level. If the group has tests of different EQFs, in addition to that, an initial section with the global averages and the same structure is shown. Each of those sections has the following structure

    o A heading with the summary information for given EQF level tests

o The Radar Graph for "My group" averages per area
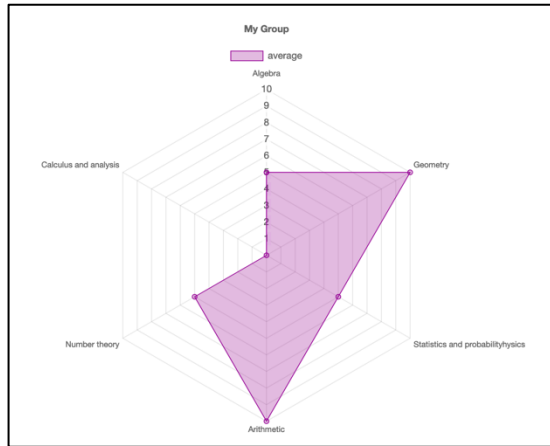
- A Table with averages per EQF level, area and topic, including a column with links to proposed resources.

RESOURCES

EQF	Area	Topic	Grade	Resouces Link
1	Algebra	Logic	0.00	
1	Algebra	Basic operations and factoring	10.00	
1	Algebra	Algebraic structures	0.00	
1	Algebra	Equations	10.00	
1	Geometry	Analytic geometry	10.00	
1	Geometry	Transformations	10.00	
1	Geometry	Fundamental objects and geometric figures	10.00	
1	Geometry	Trigonometry	10.00	
1	Statistics and probability	Graphics	10.00	
1	Statistics and probability	Frequency tables	0.00	
1	Statistics and probability	Data classification and interpretation	0.00	
1	Statistics and probability	Probability	10.00	
1	Arithmetic	Basic operations	10.00	
1	Arithmetic	Complex operations	10.00	
1	Arithmetic	Matrices	10.00	
1	Arithmetic	Number factoring	10.00	
1	Number theory	Divisibility	10.00	
1	Number theory	Congruence	0.00	
1	Number theory	Combinatorial numbers	10.00	
1	Number theory	Numbers (N, Z, Q…)	0.00	

Resource links point to a composed search of resources in

https://repository.imas-project.eu/

This search is composed using area, topic, the average grade and the age range of students in the group. Besides, resources in English and in the National language for the organization/teacher country. As far as the repository is being populated with resources, diferent links wil be shown.

Admin functions

Rest of the options in "IMAS statistics" menu are administration tools and they are described here:

- Tests Deployment: this section shows the registration of the requests for new tests. When teachers need to have new tests uploaded in their courses, they need to fill in a request and the Moodle administrator will upload the corresponding tests to their courses.

Once they are requested, they can be seen in this section, next to the name of the teacher that requested the test, the group to which is directed, the status of it (Deployed or Wait) and the links to access the stated test easily.

In the section "Deployed Test", when test deployment is finished, here are two links:
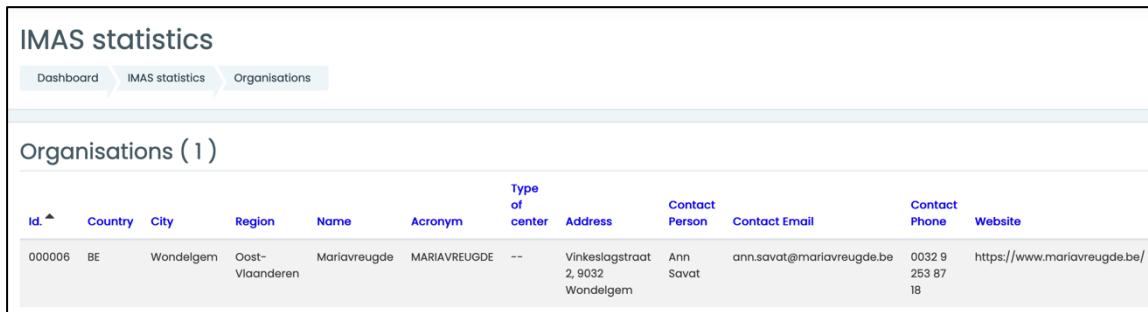
- o Number: this link sends you to the test inside the course.
- o Course: the link below the number sends you to the course where the test has been uploaded.

- Countries: this section shows the code, name and name in national language of all the countries participating in the project.

- Organizations: this section shows the Id number, Country, Name and the information to contact with all the organizations participating in the project.
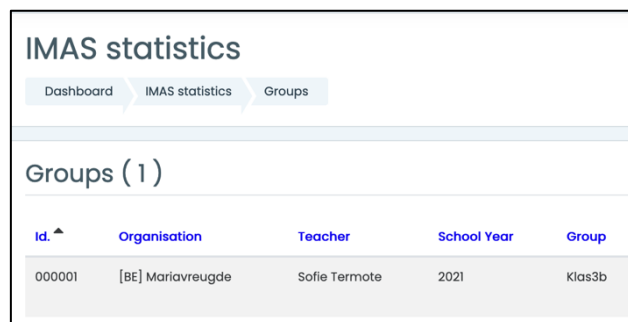

- Groups: this section collects the list of all the groups created in this Moodle platform. Every Group is presented next to its Id. Number, belonging Organization, Information of the teacher in charge of its group and number of the year when it was created.
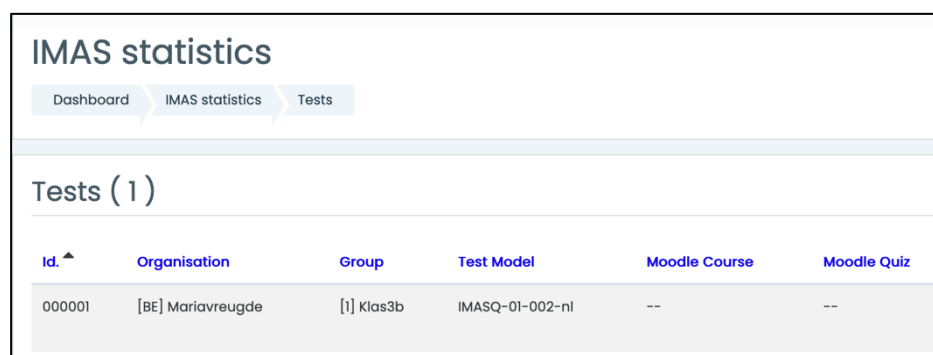

- Tests: the list of available IMAS tests showing the organization and group to which they belong and links to Moodle course and quiz for direct access.
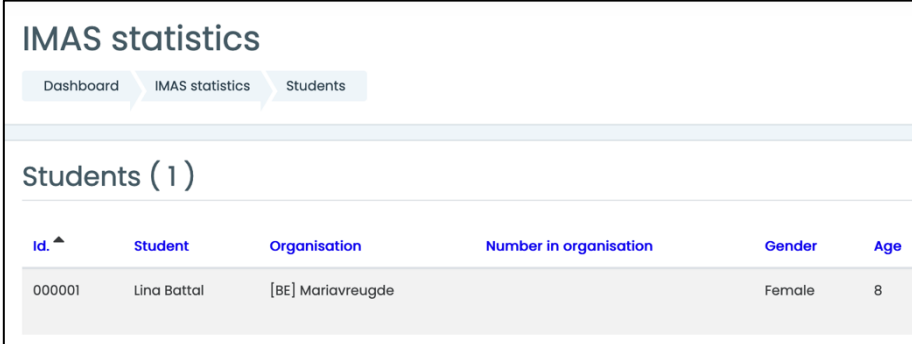
- Students: this is a list of all the students participating in the project. As it can be seen in the picture below, teachers can check each students' identification number, name, organization, gender and age.

Further evolution

During the rest of the project and after official project finish, additional improvements are expected, mainly offering additional Reports on IMAS Stats Database and additional self-administration tools.

Additional expected reports are:

- Global public report: a global summary, open to public.