



Integrated mineral technologies for more sustainable raw material supply.

## D 6.3 EXTERNAL PROJECT WEBSITE AND THE FIRST PRESS RELEASE

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**D6.3: External project website and the first press release****SUMMARY**

This document includes the objectives, design and contents of the website created in the framework of ITERAMS project. It also contains information about the first press release.

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## 1. INTRODUCTION

The project website is a key element of the dissemination strategy as an effective communication platform for internal and external purposes.

Webpage includes the basic project information to let know about the objectives and structure to the external audience. The outcomes of the project will be informed in the website (if property rights allow it) both to external and internal audience. The website act as the main project mirror of the work progress and general information to all targeted audiences.

The public information included in the website is classified in two ways:

- Static information. In general, it is information relating to the presentation of the project, its mission, structure, organization and services.
- Dynamic information. It is information updated constantly with news, findings, tweets, ...

The project website allows also the subscription to the newsletter and to information distribution lists.

The project website also contains link to the first press release of the ITERAMS project.

## 2. DESIGN OF THE WEBSITE

### 2.1 Domain

The project website has been already created (Figure 2-1) and is accessible at [www.iterams.eu](http://www.iterams.eu).

Amphos 21 is hosting the website and managing the contents and updates.

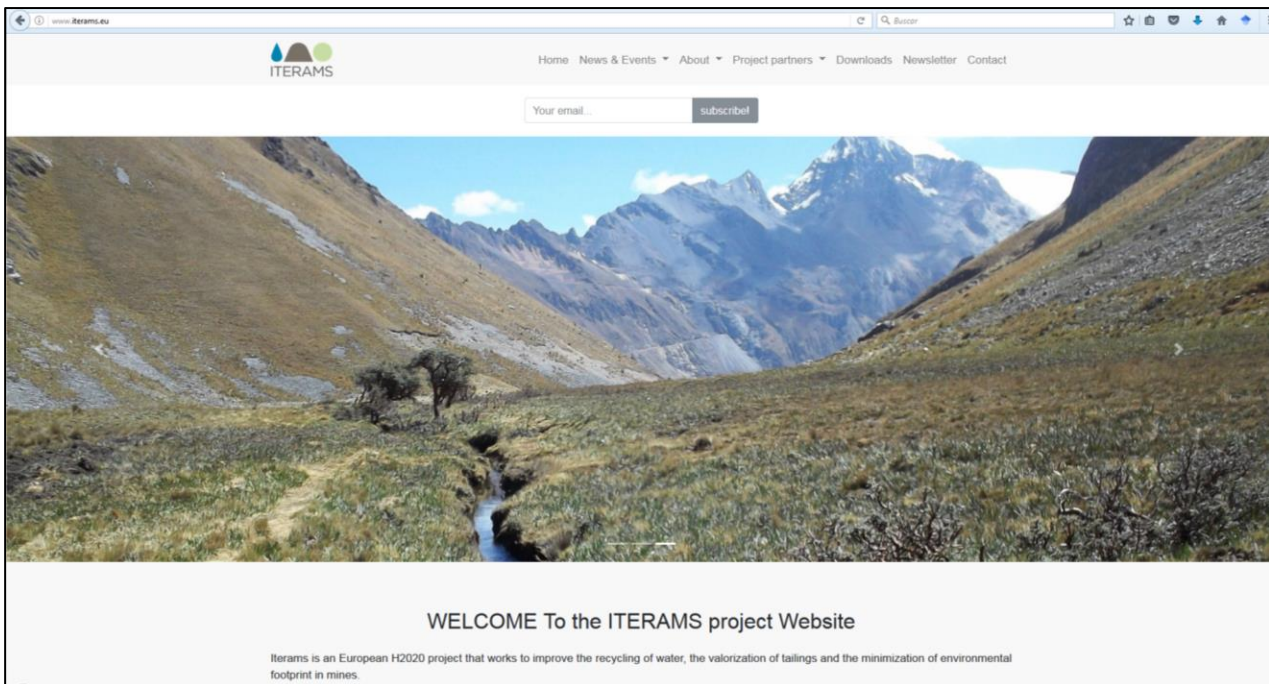


Figure 2-1 ITERAMS website

### 2.2 Headings and foots

The heading of the website is fixed in all pages. It includes the link to all ITERAMS pages, the logo and a box where to insert your mail to receive project news and newsletter.

All foot pages includes the Copyright together with the EC flag and the reference to EC funding: "This Project has received funding from the European Union H2020 programme under grant agreement No 730480".

In foot pages also the link to social media pages is included: LinkedIn, twitter, YouTube and Facebook.

### 2.3 Structure

The contents of the website have been structured in 7 sections:

#### 1. HOME

Is the website main page. Includes the logo, the welcome, illustrative pictures, main aim of the project and the tweets to @iterams (Figure 2-1 and Figure 2-2).

## 2. NEWS AND EVENTS

This section will be updated regularly.

From one side, new project information, findings, outputs, ... will be posted in the News section. On the other side different events related with ITERAMS project will be informed in Events section. Pictures of the events, posters, .. will be also uploaded in this page.

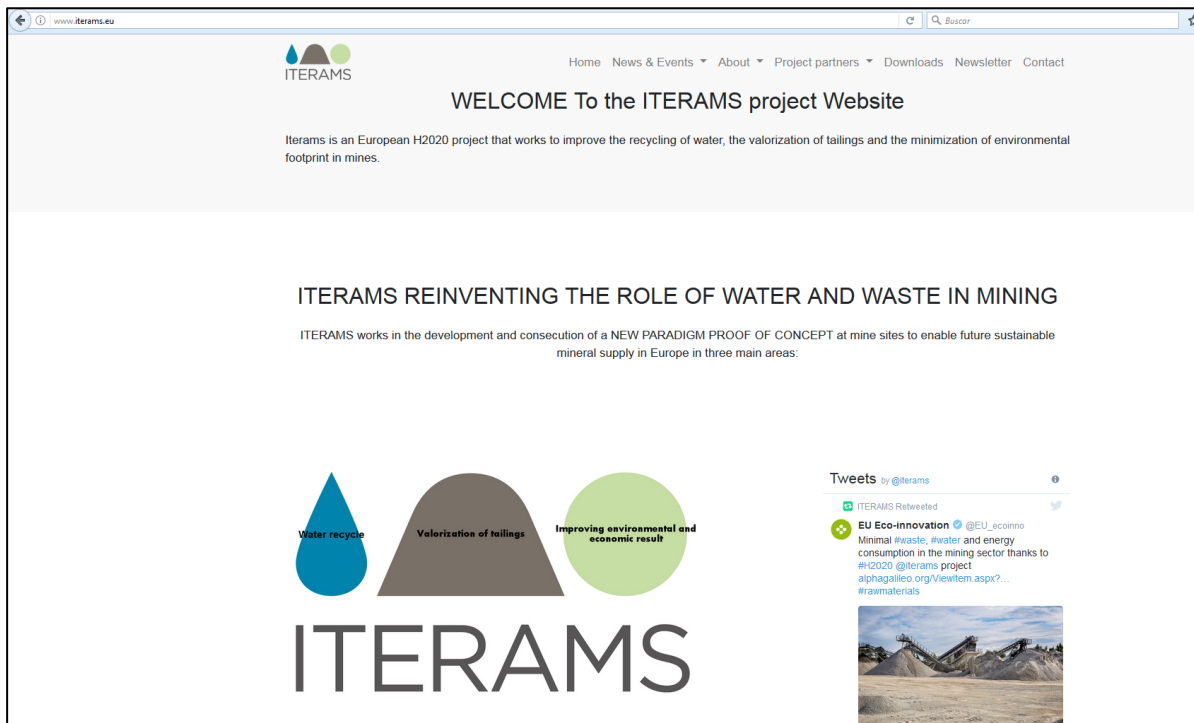


Figure 2-2 View of ITERAMS Home

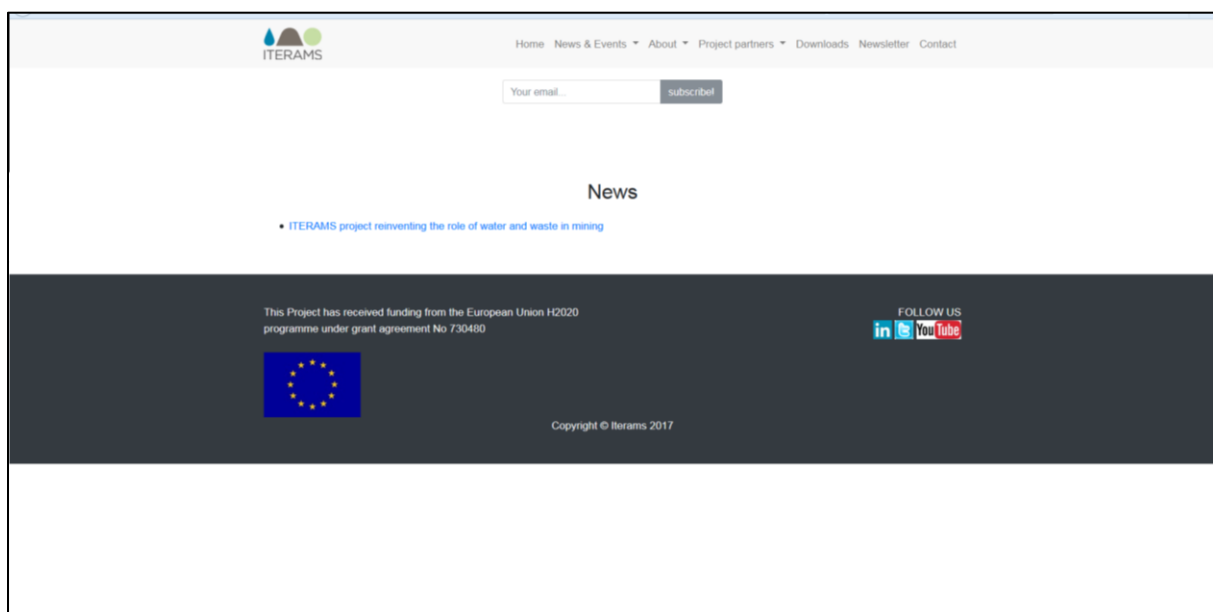


Figure 2-3 View of ITERAMS News

### 3. ABOUT

This section describes the characteristics of the project and is structured in 5 subsections (Figure 2-4):

- Mission: where the main objectives of the project are described
- The project in a nutshell: includes the basic information about the project from tasks to duration, budget, ...
- Project summary: brief description of the project activities, findings and expected outcomes. It includes a diagram with tasks realtions
- Structure (WP): each work package is briefly described to present the tasks organization.
- Validation sites: list and links to validation sites where developed technologies will be applied.

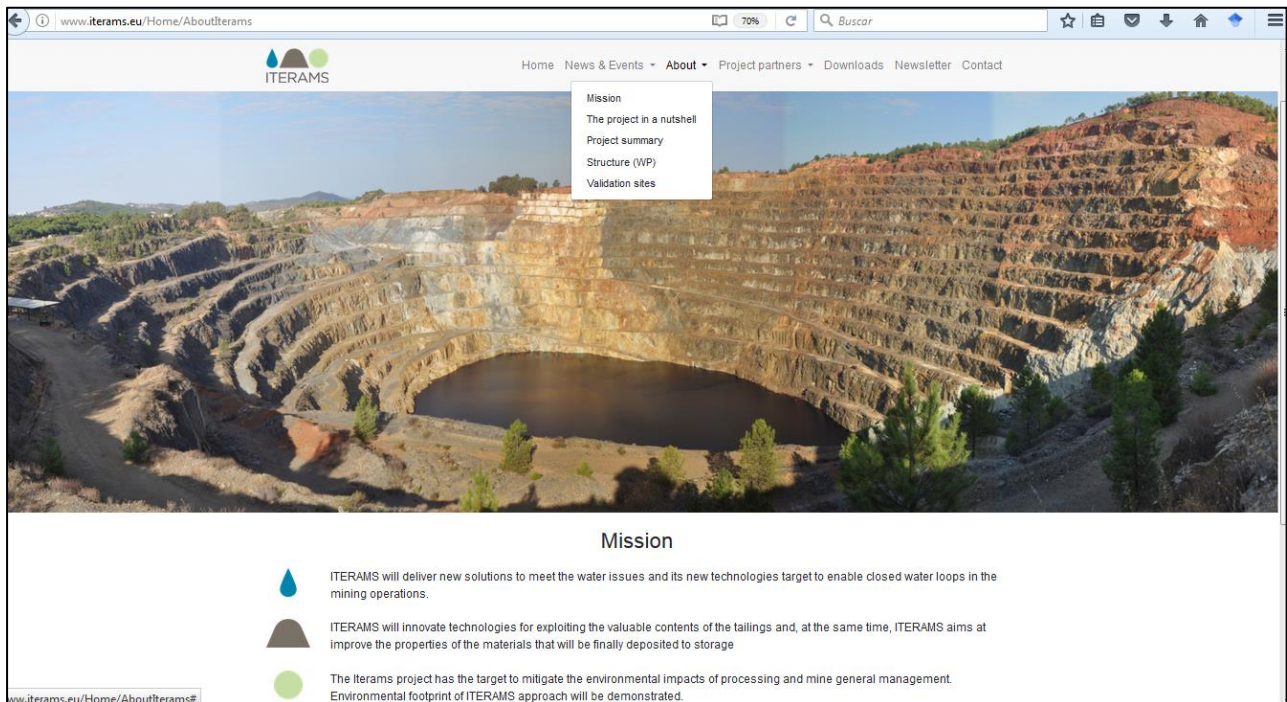


Figure 2-4 View of ITERAMS About section

### 4. PROJECT PARTNERS

This section is divided in two information pages (Figure 2-5):

- The consortium. This page summarize the ITERAMS team. Includes a picture of the consortium in the first meeting held in Finland in June 2017 and a diagram with partner’s origin.
- The partner’s page describes the main expertise of each consortium member with a link to each member individual website.



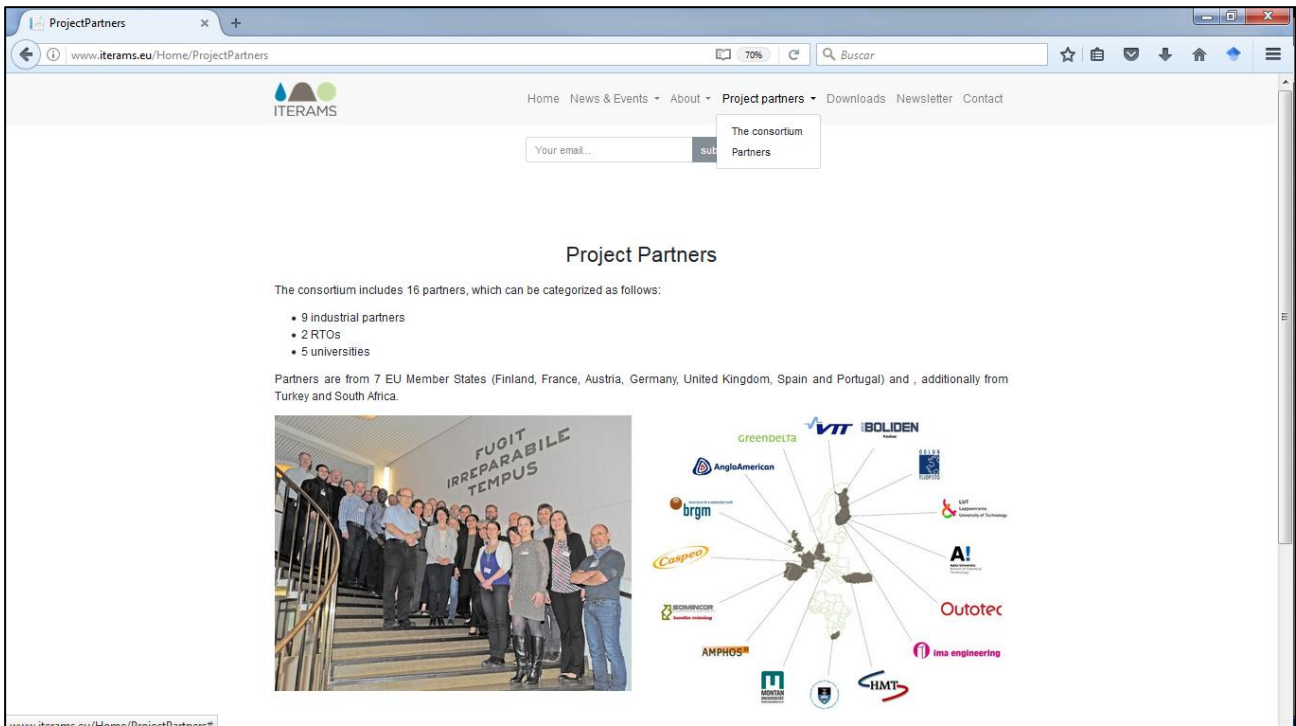


Figure 2-5 View of ITERAMS Project partners section

### 5. DOWNLOADS

This section will include all that public information and results generated in the project. The first download will be the project logos in order to facilitate project dissemination.

All public deliverables will be posted in this page together with publications, congress presentations, posters, .... This area has to become a mirror of the progress of the project.

### 6. NEWSLETTER

Newsletter will be available to all public from this section. The information will be inserted in the page in order to facilitate its reading and this will be also downloadable in pdf format. Furthermore, the option to share it in social media will be available from this site.

### 7. CONTACT

The website counts with a section where people can leave a message to the website manager (Figure 2-6). Amphos 21 team will receive this information and they will circulate it among interested partners. This section reinforces the box to newsletter subscription to enhance stakeholders' involvement. All inquiries, comments, disclaimers, ... received from this page will be replied.

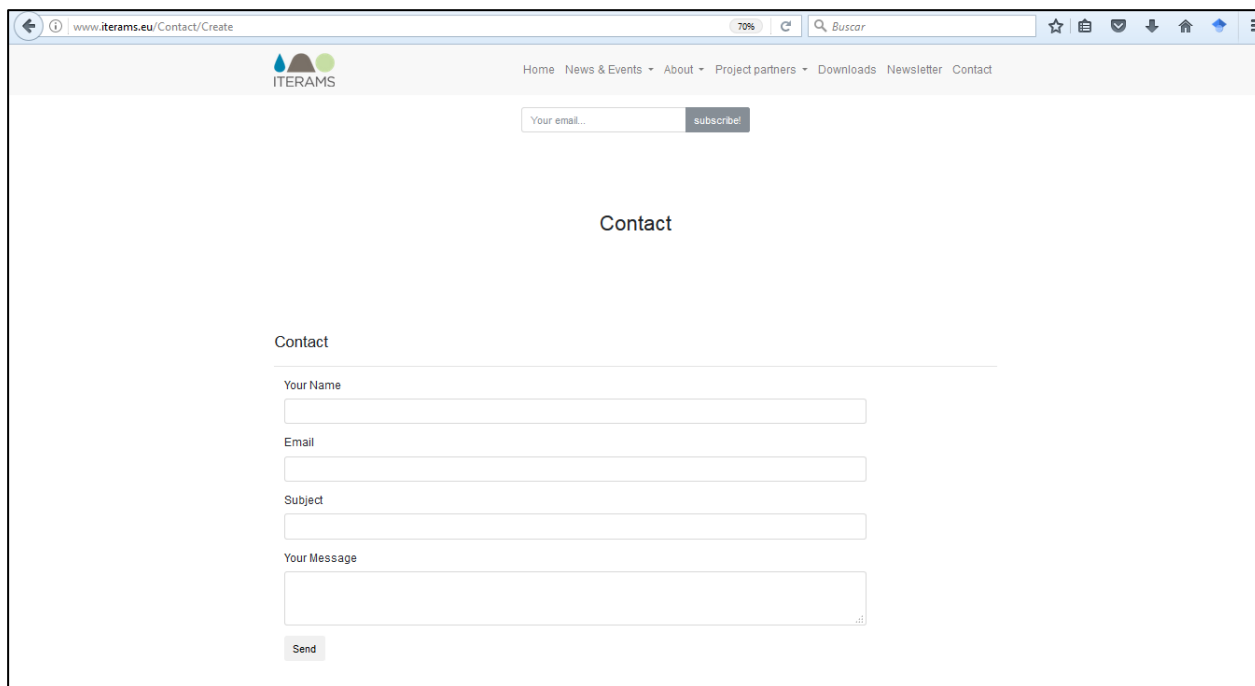


Figure 2-6 View of ITERAMS Website contact form

### 3. UPDATE OF THE WEBSITE

The ITERAMS project website has been published on 30/08/2017. In the following two weeks, suggestions and improvements proposed by partner projects will be implemented and taken into account whenever possible.

The website will be updated when information on the following issues is available:

- o Project meetings: general assembly, workshops, test sites events
- o Upcoming related events
- o New pictures from the test sites or meetings
- o Videos
- o Work progress information: methods, findings, key results.
- All partners are requested to send information to update the website.

The update of the project website includes also the management and creation of videos and pictures about the project activities.

## 4. WEBSITE ANALYSIS

Website analytics have been activated in order to allow the analysis of people that comes to this website, the country, the date, the time, .... This information is very useful in two communication aspects:

- To validate if channel communication are working properly in each country and to identify where the communication have the be improved
- To test the zones where this research is gaining more interest and therefore, those areas with potential market penetration.

## 5. FIRST PRESS RELEASE

A press release was published on August 30<sup>th</sup> 2017 to communicate the project to a wider public. The press release is available in the internet (<http://www.vttresearch.com/media/news/iterams-project-reinventing-the-role-of-water-and-waste-in-mining>) and via a link in the project website. At least three press releases will be published during the project; second in the midterm and third at the end of the project. The content of the first press release was following:

ITERAMS project reinventing the role of water and waste in mining

**The ITERAMS project “Integrated Mineral Technologies for More Sustainable Raw Material Supply” funded by the European Union Horizon 2020 programme is reinventing water and waste in mining. The new methods developed in the project will offer the EU the potential to be in the forefront with regard to minimal waste, minimal energy and minimal water consumption in the mining sector.**

Mining has been and is still a significant user of land space and water. One of the major environmental issues in processing the ore to concentrates is the waste stream, which can reach over 90% of the total mass.

The ITERAMS project targets significantly reducing water consumption by circulating process waters and reducing the amount of tailings waste through valorisation of the mineral matrix. Water circulation reduces water consumption at mine sites and the need to dispose of large quantities of wastewater in surrounding areas. To achieve this, the project focuses on the complete isolation of process waters from the adjacent water systems.

This will require development of new methods for optimizing and controlling water qualities at each process step. As a bonus, it will also facilitate the recovery of additional valuable constituents.

The closure of water cycles will inevitably increase the process disturbance, temperature and instability and result in a dynamic situation that has so far never been worked on. The completely closed water cycles can be realized only if the tailings can be filtered and stacked dry.

The geopolymer technology has long been recognized as providing the potential for immobilization of hazardous components in the structure and thus providing a safe method for utilizing mine tailings in value added applications. The use of geopolymers as water- and oxygen-tight covers on the deposited tailings, as hardening mine fill or as sellable products will be demonstrated in the project. To this end, the tailings streams will be modified for their easier geopolymerisation.

The project will maintain Europe at the forefront in the fields of efficient water circulation and sustainable tailings utilization. The project develops new holistic water and waste concepts and systems, which will result in higher technical, economic and environmental performance in raw materials production.

The developed ITERAMS water and waste efficient concepts are jointly validated by industrial and research partners at their mine sites. Three sites at Boliden (Finland), Somincor (Portugal) and Anglo American (Chile or South Africa) were selected to validate the results in various conditions, for example in various mineralogical and geographical areas. Information from laboratory tests, process assessment and technology validation is used for development of the water recycling testing protocol.

VTT Technical Research Centre of Finland is acting as the coordinator of the EU-funded three-year ITERAMS project.

The project will end on 31 May 2020 and has a total budget of EUR 7.9 million.

The consortium is multidisciplinary, covering the disciplines of geology, mining, minerals processing, microbiology, thermodynamics, chemistry, water and environmental sciences, sustainability, process modelling and simulation in close cooperation between academia and industry.

A total of 16 companies and research organisations from seven EU member states, as well as from South Africa and Turkey, are participating in the project: VTT Technical Research Centre of Finland, Outotec, Boliden Kevitsa, University of Oulu, Ima Engineering, Aalto University and Lappeenranta University of Technology (Finland); BRGM and Caspeo (France); Montanuniversität Leoben (Austria); GreenDelta (Germany); Anglo American (UK); Amphos21 (Spain); Somincor (Portugal); Hacettepe Mineral Technologies (Turkey) and University of Cape Town (South Africa). Cooperation will ensure the exchange of information of best practices in the EU and internationally.

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## 6. CONCLUSIONS

ITERAMS website has been published and includes most relevant information about project tasks.

Website has been created with two main objectives:

- To disseminate the project sharing the outcomes and results with all interested stakeholders.
- To facilitate public engagement and social acceptance by publishing the results, promoting their involvement and hearing their comments.

The first press release was published including the main aspects of the project.

