



## **DELIVERABLE 4.4**

### **PROJECT WEBSITE, E-LEAFLET AND NEWSLETTERS, RESEARCHGATE, LINKEDIN SITE**

#### **ENeRAG**

Excellency Network Building for Comprehensive Research and  
Assessment of Geofluids

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**Date:** 31.03.2022

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Deliverable administration					
<b>Deliverable No. and title</b>	D4.4 Project website, e-leaflet and Newsletters, ResearchGate, LinkedIn site				
<b>Work package</b>					
<b>Status of the document</b>	Final release	<b>Due month</b>	M2 M6 M12 M18 M24 M30 M36 <b>M42</b>	<b>Date</b>	7.12.2018 28.03.2019 30.09.2019 26.03.2020 30.09.2020 30.03.2021 30.09.2021 31.03.2022
<b>Author(s)</b>	Anita Erőss, Ildikó Erhardt, Timea Havril, Judit Mádl-Szőnyi, Corrado Camera, Marco Masetti, Juha Kaija, Nike Luodes				
<b>Lead beneficiary</b>	ELTE				
<b>Dissemination level</b>	Public				
<b>Description of the related task and the deliverable</b>	<b>Action 4.8.3:</b> Access to public (Introduction of Facebook, Twitter, Google+, YouTube, LinkedIn activities) <b>Action 4.8.4:</b> Info-communication of the project (Introduction of Website, Newsletter, ResearchGate project, blog, vlog)				
<b>Participants</b>	ELTE, GTK, UMIL				
<b>Comments</b>					
<b>Version</b>	<b>Date</b>	<b>Edited by</b>	<b>Description</b>		
V0.1	6.12.2018	Anita Erőss, Timea Havril	1 <sup>st</sup> draft (M2)		
V0.2	6.12.2018	Anita Erőss, Timea Havril, Judit Mádl-Szőnyi	2 <sup>nd</sup> draft (M2)		
V1.0	7.12.2018	Anita Erőss, Timea Havril, Judit Mádl-Szőnyi	First release (M2)		
V1.1	26.03.2019	Ildikó Erhardt, Anita Erőss	1 <sup>st</sup> draft of the updated version (M6)		
V1.2	28.03.2019	Marco Masetti, Corrado Camera, Juha Kaija	2 <sup>nd</sup> draft of the updated version (M6)		
V2.0	28.03.2019	Ildikó Erhardt, Judit Mádl-Szőnyi	Final of the second release (M6)		
V2.1	24.09.2019	Ildikó Erhardt, Anita Erőss	1 <sup>st</sup> draft of the updated version (M12)		
V3.0	30.09.2019	Judit Mádl-Szőnyi, Ildikó Erhardt	Final of the third release (M12)		
V3.1	23.03.2020	Ildikó Erhardt, Anita Erőss	1 <sup>st</sup> draft of the updated version (M18)		
V4.0	26.03.2020	Judit Mádl-Szőnyi, Ildikó Erhardt	Final of the fourth release (M18)		
V4.1	28.09.2020	Ildikó Erhardt, Timea Havril	1 <sup>st</sup> draft of the updated version (M24)		
V5.0	30.09.2020	Judit Mádl-Szőnyi, Ildikó Erhardt	Final of the fifth release (M24)		
V5.1	24.03.2021	Ildikó Erhardt	1 <sup>st</sup> draft of the updated version (M30)		
V6.0	30.03.2021	Judit Mádl-Szőnyi, Ildikó Erhardt	Final of the sixth release (M30)		



V6.1	24.09.2021	Ildikó Erhardt	1 <sup>st</sup> draft of the updated version (M36)
V7.0	30.09.2021	Judit Mádl-Szőnyi, Ildikó Erhardt	Final of the seventh release (M36)
V7.1	21.03.2022	Ildikó Erhardt	1 <sup>st</sup> draft of the updated version (M42)
V7.2	29.03.2022	Marco Masetti, Nike Luodes, Timea Trásy-Havril	2 <sup>nd</sup> draft of the updated version (M42)
<b>V8.0</b>	31.03.2022	Judit Mádl-Szőnyi, Ildikó Erhardt	<b>Final release (M42)</b>

### About the ENeRAG project

The 'Excellency Network Building for Comprehensive Research and Assessment of Geofluids'-ENeRAG project significantly strengthen research and innovation capacities in geofluids' research and aligned geological resource assessment of groundwater, geothermal energy and hydrothermal mineral resources at Eötvös Loránd University (ELTE, Hungary) by capacity enhancement through cooperation with Geological Survey of Finland (GTK) and University of Milan (UMIL, Italy), with 7 supporting stakeholders. The ENeRAG raises the research profile and excellence of ELTE in comprehensive understanding, tracing and modelling of geofluid systems focusing on their interrelationships through 4 staff exchanges, organisation of 5 sessions and attendance on 9 high-level international conferences; through joint open access publications (15 +1 special issue). It will ensure to fill networking gaps and deficiencies of ELTE, and enhance the S&T and innovation capacity in the field of sustainable development and eco-friendly exploitation of geofluids and their resources by 6 training workshops, 2 innovative video trainings, 1 summer and 1 winter school, expert visits, 3 laboratory and field trainings. Due to ENeRAG ELTE improves its innovative capability to gain national and international EU funding, and to furtherly widen cooperation through agreements with institutes and stakeholders. The ENeRAG contributes to improved knowledge transfer and to aligned interpretation and sustainable utilisation of geofluids in Hungary. The project and its resulted guideline strengthen the hands-on hands experience in geofluid research, legislation and exploitation. The ENeRAG guideline provides a missing novelty service, gives base for prioritization of geofluid-related resources in Hungary and in the EU. Consequently, ENeRAG improves stakeholder experience, legislation and contribute to the dissemination of knowledge toward the scientific community and the society on national and EU level.



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## 1. INTRODUCTION

Dissemination activities of ENeRAG are strongly related to all other work packages. The main target audiences of the project dissemination activities are researchers, public authorities, government institutions, EU policy makers, the business community, the wider public. For publications and presentations in the academic domain, a number of journals and conferences have already been identified. Publications and presentations targeting the non-academic domain includes the project website, e-leaflet, e-newsletter, and presence on social networks. Among dissemination channels, the project's website plays a key role.

The full range and area of target groups and potential users of the project's results and the different dissemination channels to reach the target audiences are summarised in Table 1.

<b>Table 1: Dissemination target groups and activities</b>		
<b>Target group of dissemination</b>	<b>Dissemination channels</b>	<b>Aim of dissemination activity</b>
academia and education	website, newsletter, publications, presentations (journals and conferences), ResearchGate, competition	highlight connections and potential research needs
general public	website, newsletter, social media, Researchers' Night, public event	provide understanding on geothermal energy as renewable energy, sustainable groundwater use, mineral resources and their interrelationships
governmental institutions, public authorities	website, newsletter, workshops, roundtable discussions	foster interaction and dialogue in order to meet their needs related to the regulation issues
business community	website, newsletter, workshops, roundtable discussions, LinkedIn group	enhance the competence and foster the interaction and dialogue in order to meet their needs related to system understanding and innovative techniques

The recent report summarizes the ongoing dissemination activity of the ENeRAG project. The detailed description of such activities is introduced in D4.2 Communication and dissemination plan.

## 2. ACCESS TO PUBLIC

<b>Action 4.8.3: Access to public</b>	
<b>Form</b>	Facebook, Twitter, Google+, YouTube, LinkedIn activities
<b>Leader</b>	ELTE
<b>Participants</b>	ELTE, GTK, UMIL
<b>Contents</b>	Intense use of social media to introduce the project and its events to the public. Translation of the scientific goals of the project to the public to get acquainted the processes underground
<b>Host</b>	ELTE
<b>Number of participants</b>	5-10
<b>Timing</b>	M1-42



The wider public can get to know the project through social media platforms. Our aim is to raise the interest and enhance the competence as well as provide understanding on geothermal energy as renewable energy, sustainable groundwater use, mineral resources and their interrelationships. Actions related to Facebook and Twitter posts and events help to spread project related information also to the scientific community.

## **2.1 Facebook page**

Facebook page of the ENeRAG project can be found at <https://www.facebook.com/enerag/>

From the start till 28 March 2019, 14 posts and 19 pictures have been added to the Facebook page of the ENeRAG project.

The most important posts between M1-M6 project months:

- Representatives of ENeRAG project participated in the Twinning Coordinators' Day organized by the European Commission in Brussels
- Kick-off meeting events
- Promoting ENeRAG session at EGU conference
- First student exchange of ENeRAG project
- Advertising ENeRAG and ENeRAG & RGFC-IAH co-supported sessions on the 46th IAH Congress
- Availability of the Booklet of Managed Aquifer Recharge (MAR) systems (in Hungarian)
- Newsletter #1 of the ENeRAG project

From the start till 30 September 2019, 61 posts and 93 pictures have been added to the Facebook page of the ENeRAG project.

The most important posts between M7-M12 project months:

- Promoting the extended abstract submission deadline for 46th IAH Conference
- Advertising awarded presentations on the Meeting of Young Geoscientists
- Promoting ENeRAG and RGFC-IAH supported session at EGU 2019 Congress from the venue
- Advertising the field course on fluid-rock interaction in shallow hydrothermal systems (Budapest, Hungary)
- Advertising the summer school (Milan, Italy)
- Announcing the finalists who qualified for the next round of the Problem Solver Competition's Hungarian round
- Introduction of the consortium partners (ELTE, UMIL, GTK) of ENeRAG
- Highlighting a few locations for the upcoming field course
- Scientific related posts



- International Symposium on Managed Aquifer Recharge (ISMAR10)
- Posts about the ongoing field course
- Advertising the availability of the field guide of the field course
- ENeRAG supported session at Flowpath 2019 conference
- Posts about the ongoing summer school
- International Karstological School in Postojna, Slovenia
- ELTE participant at the Goldschmidt 2019 Conference
- Advertising the ENeRAG supported sessions at the IAH2019 Congress
- Advertising the Geofluids2020 Symposium from IAH2019 Congress
- Posts from the IAH2019 Congress
- Posts about the Researchers' night event
- Post about 10th Assembly on Petrology and Geochemistry

From the start till 26 March 2020, 100 posts and 133 pictures have been added to the Facebook page of the ENeRAG project.

The most important posts between M13-M18 project months:

- Newsletter #2 of the ENeRAG project
- Call for the International Problem Solver Competition
- Introduction of the teams of the ENeRAG National Problem Solver Competition
- Invitation of the ENeRAG National Problem Solver Competition
- Announcing the winners who received the first prize of the Problem Solver Competition's Hungarian round
- Advertising the next EGU General Assembly (3-8 May, Vienna, Austria)
- Advertising the availability of the isotope geochemistry of fluid-rock interaction short course
- Post about ENeRAG Student Exchange on Vadose zone modelling (Italy)
- Post about ENeRAG Student Exchange on low enthalpy energy utilisation (Finland)
- Announcing the finalists who qualified for the International Problem Solver Competition
- ENeRAG project participants the Nordic Geological Winter Meeting
- Invitation to the International Symposium on Geofluids Budapest
- Newsletter #3 of the ENeRAG project

From the start till 30 September 2020, 135 posts have been added to the Facebook page of the ENeRAG project.

The most important posts between M19-M24 project months:

- Scientific related posts (20 posts)



- Promotion of the blog of ENeRAG
- Promoting ENeRAG and RGFC-IAH supported session at EGU 2020 Congress
- Fight against coronavirus posts (global response)
- Post about the successful review-meeting
- Post about the first joint paper publication
- Post about Goldschmidt 2020 attendance
- Post about on an open access ENeRAG publication
- Advertising the Online Workshop on Environmental Isotope Tracers in Hydrogeological Applications
- Newsletter #4 of the ENeRAG project

From the start till 30 March 2021, 181 posts have been added to the Facebook page of the ENeRAG project.

The most important post topics between M25-M30 project months:

- Scientific related posts
- Advertising the Online Workshops of ENeRAG
- Posts about the Researchers' night event 2020
- Advertising the Innovation Day of ELTE
- Posts about geofluids related conferences
- Post about the Problem Solver Competition of ENeRAG
- Advertising the International Symposium on Geofluids organized by ENeRAG
- World Water Day celebration
- Newsletter #5 of the ENeRAG project

From the start till 30 September 2021, 212 posts have been added to the Facebook page of the ENeRAG project, which has 577 followers so far.

The most important post topics between M31-M36 project months:

- International Symposium on Geofluids
- Online Workshop on Mineral resources in hydrothermal systems
- Call for partnership - vGeofluids21 Symposium
- CHARM-EU news
- Reutilizar, Reciclar, Reinventar
- CHARM-EU Podcast with Ádám Tóth
- John W. Molson: Numerical simulation of groundwater flow and heat transport processes





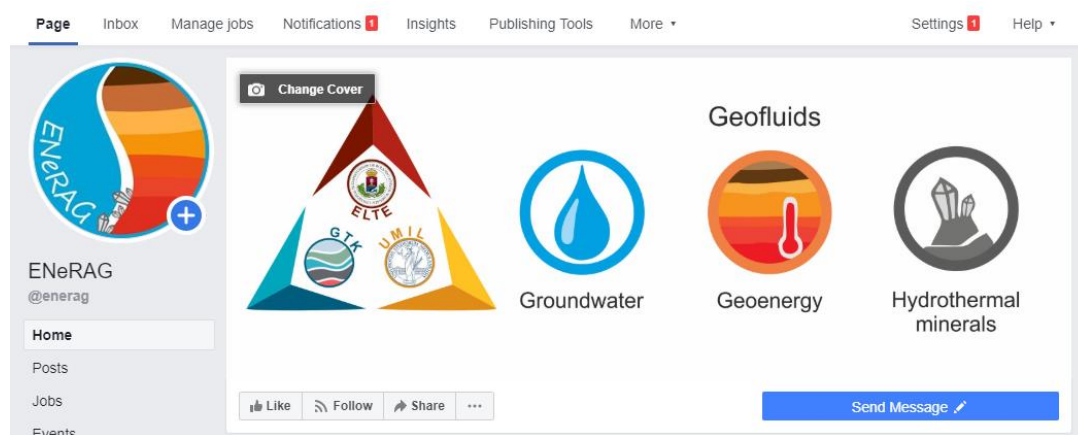
- Vincent Post: Hydrochemical modelling with PHREEQC and its application of fluid-rock interaction
- Neptunus and the world without water
- Winter school
- IAH video
- New Book - The Lands of Karst
- Newsletter #6 of the ENeRAG project

From the start till 31 March 2022, 227 posts have been added to the Facebook page of the ENeRAG project, which has 578 followers so far.

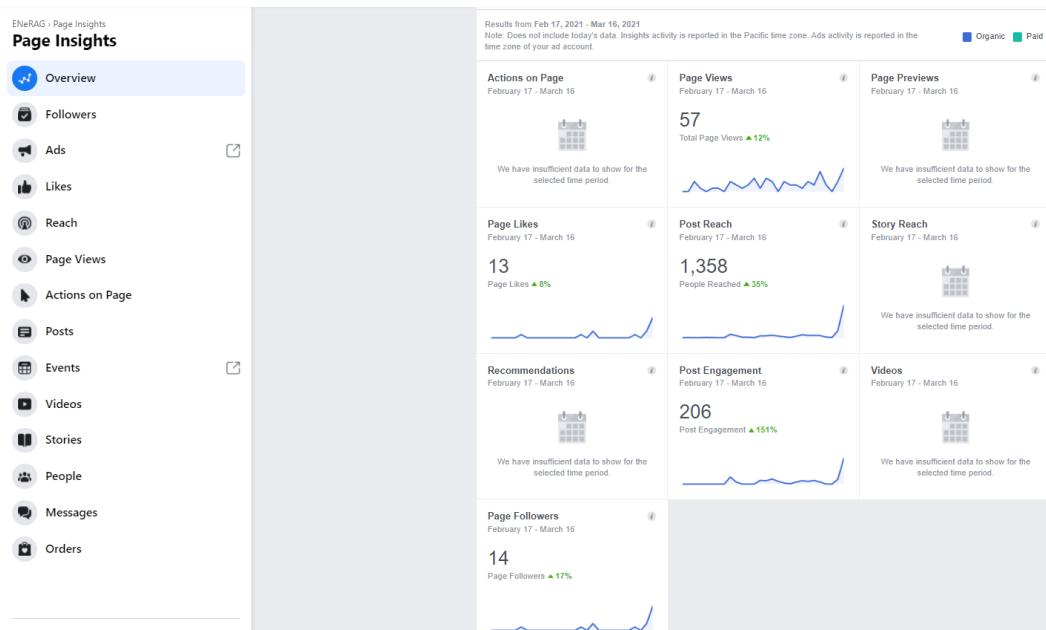
The most important topics of the posts between M37-M42 project months:

- News about receiving the IAH “Presidents’ Award” in 2021
- "Wally & Deanna's Groundwater Adventure... to the Saturated zone" a tale available in Hungarian
- AAPG abstract call
- Post about freshwater resources
- Advertising the closing conference of the ENeRAG
- Introduction of the “The Water Rooms” series
- World Water Day 2022
- Newsletter #7 of the ENeRAG project
- Farewell post

We were constantly reporting on the most important events and activities of the project, the relevant and upcoming conferences and events.



**Figure 5 – Facebook page of the project (September 2019)**



**Figure 6 – Statistics of the ENeRAG Facebook page activity (February-March 2021)**

## 2.2 Instagram page

Instagram page of the ENeRAG project is <https://www.instagram.com/enerag.geofluids/>

From the start of the project till 28 March 2019, 10 posts have been added to the Instagram page of the ENeRAG project, which has 37 followers so far. In most cases, we make the Instagram posts available on the Facebook page as well, therefore the posts on the two interfaces are mainly the same.

The most important posts between M1-M6 project months:

- Representatives of ENeRAG project participated in the Twinning Coordinators' Day organized by the European Commission in Brussels
- Kick-off meeting events
- Promoting ENeRAG session at EGU conference
- First student exchange of ENeRAG project
- Advertising ENeRAG and ENeRAG & RGFC-IAH co-supported sessions on the 46th IAH Congress
- Newsletter #1 of the ENeRAG project

From the start of the project till 28 March 2019, 58 posts have been added to the Instagram page of the ENeRAG project, which has 68 followers so far.

The most important posts between M7-M12 project months:

- Promoting the extended abstract submission deadline for 46th IAH Conference
- Advertising awarded presentations on the Meeting of Young Geoscientists



- Promoting ENeRAG and RGFC-IAH supported session at EGU 2019 Congress from the venue
- Advertising the field course on fluid-rock interaction in shallow hydrothermal systems (Budapest, Hungary)
- Advertising the summer school (Milan, Italy)
- Announcing the finalists who qualified for the next round of the Problem Solver Competition's Hungarian round
- Introduction of the consortium partners (ELTE, UMIL, GTK) of ENeRAG
- Highlighting a few locations for the upcoming field course
- Scientific related posts
- International Symposium on Managed Aquifer Recharge (ISMAR10)
- Posts about the ongoing field course
- Advertising the availability of the field guide of the field course
- ENeRAG supported session at Flowpath 2019 conference
- Posts about the ongoing summer school
- International Karstological School in Postojna, Slovenia
- ELTE participant at the Goldschmidt 2019 Conference
- Advertising the ENeRAG supported sessions at the IAH2019 Congress
- Advertising the Geofluids2020 Symposium from IAH2019 Congress
- Posts from the IAH2019 Congress
- Posts about the Researchers' night event
- Post about 10th Assembly on Petrology and Geochemistry

From the start of the project till 26 March 2020, 96 posts have been added to the Instagram page of the ENeRAG project, which has 93 followers so far.

The most important posts between M13-M18 project months:

- Newsletter #2 of the ENeRAG project
- Call for the International Problem Solver Competition
- Introduction the teams of the ENeRAG National Problem Solver Competition
- Invitation of the ENeRAG National Problem Solver Competition
- Announcing the winners who received the first prize of the Problem Solver Competition's Hungarian round
- Advertising the next EGU General Assembly (3-8 May, Vienna, Austria)
- Advertising the availability of the isotope geochemistry of fluid-rock interaction short course



- Post about ENeRAG Student Exchange on Vadose zone modelling (Italy)
- Post about ENeRAG Student Exchange on low enthalpy energy utilisation (Finland)
- Announcing the finalists who qualified for the International Problem Solver Competition
- ENeRAG project participants the Nordic Geological Winter Meeting
- Invitation to the International Symposium on Geofluids Budapest
- Newsletter #3 of the ENeRAG project

From the start of the project till 30 September 2020, 125 posts have been added to the Instagram page of the ENeRAG project, which has 127 followers so far.

The most important posts between M19-M24 project months:

- Scientific related posts (20 posts)
- Promotion of the blog of ENeRAG
- Promoting ENeRAG and RGFC-IAH supported session at EGU 2020 Congress
- Fight against coronavirus posts (global response)
- Post about the successful review-meeting
- Post about the first joint paper publication
- Post about Goldschmidt 2020 attendance
- Post about on an open access ENeRAG publication
- Advertising the Online Workshop on Environmental Isotope Tracers in Hydrogeological Applications
- Newsletter #4 of the ENeRAG project

From the start of the project till 30 March 2021, 167 posts have been added to the Instagram page of the ENeRAG project, which has 178 followers so far.

The most important post topics between M25-M30 project months:

- Scientific related posts
- Advertising the Online Workshops of ENeRAG
- Posts about the Researchers' night event 2020
- Advertising the Innovation Day of ELTE
- Posts about geofluids related conferences
- Post about the Problem Solver Competition of ENeRAG
- Advertising the International Symposium on Geofluids organized by ENeRAG
- World Water Day celebration
- Newsletter #5 of the ENeRAG project



From the start of the project till 30 September 2021, 197 posts have been added to the Instagram page of the ENeRAG project, which has 201 followers so far.

The most important post topics between M31-M36 project months:

- Scientific related posts
- Promotion on Call for partnership - vGeofluids21 Symposium
- Advertising the International Symposium on Geofluids organized by ENeRAG
- Invitation to short course of ENeRAG: "John W. Molson: Numerical simulation of groundwater flow and heat transport processes"
- Invitation to short course of ENeRAG: "Vincent Post: Hydrochemical modelling with PHREEQC and its application of fluid-rock interaction"
- Post about the winners of the International Symposium on Geofluids
- Post about the virtual poster walk on International Symposium on Geofluids Symposium
- Advertising the Online Workshop of ENeRAG
- Post about the CHARM-EU news
- Post about "Reutilizar, Reciclar, Reinventar"
- Post about the CHARM-EU Podcast with Ádám Tóth
- Post about the ENeRAG H2020 Twinning project – an opportunity for mutual growth
- Post about the comics named "Neptunus and the world without water"
- Post about the blog post of GTK
- Invitation to the Online Winter school of ENeRAG
- Post about IAH video
- Post about "New Book - The Lands of Karst"
- Newsletter #6 of the ENeRAG project

From the start of the project till 31 March 2022, 213 posts have been added to the Instagram page of the ENeRAG project, which has 213 followers so far.

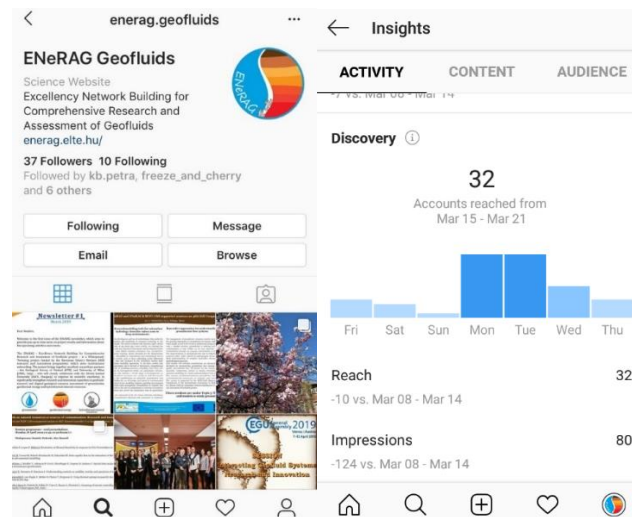
The most important post topics between M37-M42 project months:

- News about receiving the IAH "Presidents' Award" in 2021
- "Wally & Deanna's Groundwater Adventure... to the Saturated zone" a tale available in Hungarian
- AAPG abstract call
- Post about freshwater resources
- Advertising the closing conference of the ENeRAG
- Introduction of the "The Water Rooms" series
- World Water Day 2022



- Newsletter #7 of the ENeRAG project
- Farewell post

We were constantly reporting on the most important events and activities of the project, the relevant and upcoming conferences and events.



**Figure 7 – Instagram page of the ENeRAG project with the statistics of its activity (March 2019)**

## 2.3 LinkedIn group of the project

LinkedIn group was created as a platform for both the scientific and business community:  
<https://www.linkedin.com/company/enerag-geofluids/>

From the start of the project till 28 March 2019, 1 post has been added to the LinkedIn site of the ENeRAG project.

- Newsletter #1 of the ENeRAG project

From the start of the project till 30 September 2019, 4 posts have been added to the LinkedIn site of the ENeRAG project. The posts between M7-M12 project months:

- MAR booklet (in Hungarian language)
- Field Course on Fluid-Rock Interaction in Shallow Hydrothermal Systems – Program and field guide
- Newsletter #2 of the ENeRAG project

From the start of the project till 26 March 2020, 9 posts have been added to the LinkedIn site of the ENeRAG project. The posts between M13-M18 project months:



- Open access article: "Numerical investigation of the combined effect of forced and free thermal convection in synthetic groundwater basins"
- Link to an article about the significance of regional pressure conditions in thermal water exploration and the rejuvenation of geothermal resources is available (in Hungarian)
- Open access article: "Transient nature of riverbank filtered drinking water supply systems - A new challenge of natural radioactivity assessment"
- Open access article: "Revision of archive recovery tests using analytical and numerical methods on thermal water wells in sandstone and fractured carbonate aquifers in the vicinity of Budapest, Hungary"
- Newsletter #3 of the ENeRAG project

From the start of the project till 30 September 2020, 13 posts have been added to the LinkedIn site of the ENeRAG project. The posts between M19-M24 project months:

- Launch of the ENeRAG blog
- Advertising 2 open access articles
- Newsletter #4 of the ENeRAG project

From the start of the project till 30 March 2021, 20 posts have been added to the LinkedIn site of the ENeRAG project. The posts between M25-M30 project months:

- Open access article: "Managed Aquifer Recharge – State of the art, needs and possibilities in Hungary"
- Open access article: "Short overview of basin-scale hydrogeological research conducted at ELTE in the last two decades"
- Open access article: "Significance of basin asymmetry and regional groundwater flow conditions in preliminary geothermal potential assessment – Implications on extensional geothermal plays"
- Open access joint article: "Reconstruction of Hydrothermal Processes in the Cyprus Type Fe-Cu-Zn Deposits of the Italian Northern Apennines: Results of Combined Fluid Inclusion Microthermometry, SEM-CL Imaging and Trace Element Analyses by LA-ICP-MS"
- Open access article: "Numerical analysis of the potential for mixed thermal convection in the Buda Thermal Karst, Hungary"
- Advertisement of the International Symposium on Geofluids
- Newsletter #5 of the ENeRAG project





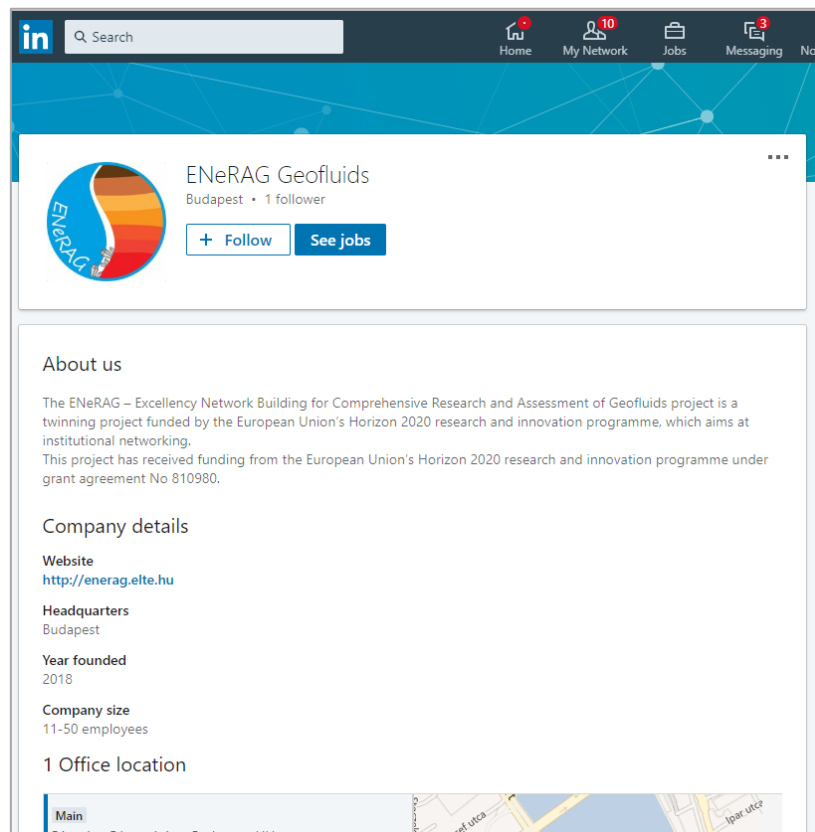
From the start of the project till 30 September 2021, 24 posts have been added to the LinkedIn site of the ENeRAG project. The posts between M31-M36 project months:

- Open access joint article: "Comparison of Various Growth Curve Models in Characterizing and Predicting Water Table Change after Intensive Mine Dewatering Is Discontinued in an East Central European Karstic Area"
- Article about thermohaline convection in a homogeneous porous medium
- Advertisement about the International Symposium on Geofluids
- Newsletter #6 of the ENeRAG project

From the start of the project till 31 March 2022, 33 posts have been added to the LinkedIn site of the ENeRAG project. The posts between M37-M42 project months:

- Article: 'MAR site suitability mapping for arid-semiarid regions by remote data and combined approach: A case study from Balochistan, Pakistan'
- Joint paper: "Probability of Non-Exceedance of Arsenic Concentration in Groundwater Estimated Using Stochastic Multicomponent Reactive Transport Modeling"
- Joint paper: "Refining the conceptual model for radionuclide mobility in groundwater in the vicinity of a Hungarian granitic complex using geochemical modeling"
- Joint paper: "Interaction of basin-scale topography- and salinity-driven groundwater flow in synthetic and real hydrogeological systems"
- Joint paper: "Integration of a Shallow Soda Lake into the Groundwater Flow System by Using Hydraulic Evaluation and Environmental Tracers"
- Article: "Hydrogeochemical Characteristics Refine the Conceptual Model of Groundwater Flow in Wood Buffalo National Park, Canada"
- Joint paper: "Groundwater Flow System-Based Dynamic System Approach for Geofluids and Their Resources"
- Newsletter #7 of the ENeRAG project
- Joint paper: "Evaluating dual-domain models for upscaling multicomponent reactive transport in mine waste rock"





**Figure 8 – LinkedIn page of the ENeRAG project**

## **2.4 ENeRAG on Twitter**

ENeRAG related actions will be shared on Twitter account as well, which is a widely used platform to share project related news and events instantly: [https://twitter.com/enerag\\_geofluid](https://twitter.com/enerag_geofluid)

From the start of the project till 28 March 2019, 6 tweets have been added to the Twitter account of the ENeRAG project, which has 22 followers so far. The total number of retweets is 13.

The most important tweets between M1-M6 project months:

- Kick-off events
- Promoting ENeRAG session at EGU conference
- First student exchange of ENeRAG project
- Advertising ENeRAG and ENeRAG & RGFC-IAH co-supported sessions on the 46th IAH Congress

From the start of the project till 30 September 2019, 33 tweets have been added to the Twitter account of the ENeRAG project, which has 42 followers so far. The total number of retweets is 33.

The most important tweets between M7-M12 project months:

- Tweet from the first day of EGU19



- Advertising the field course in Hungary
- Advertising the summer school in Italy
- The finalists of the Problem Solver Competition's Hungarian round
- Introduction of the consortium partners of ENeRAG project
- Scientific related tweets
- Field course related tweets
- ENeRAG supported session at #Flowpath19
- Summer school related tweets
- ENeRAG supported session on the 46th IAH Congress
- Tweet about Goldschmidt Conference
- IAH2019 related tweets
- Tweets about the Researchers' night event
- Tweet about 10th Assembly on Petrology and Geochemistry

From the start of the project till 26 March 2020, 55 tweets have been added to the Twitter account of the ENeRAG project, which has 60 followers so far. The total number of retweets is 69.

The most important tweets between M13-M18 project months:

- Newsletter #2 of the ENeRAG project
- Call for the International Problem Solver Competition
- Introduction the teams of the ENeRAG National Problem Solver Competition
- Tweet about ENeRAG National Problem Solver Competition
- Announcing the winners who received the first prize of the Problem Solver Competition's Hungarian round
- Advertising the next EGU General Assembly (3-8 May, Vienna, Austria)
- Isotope geochemistry of fluid-rock interaction short course related tweets
- Tweet about ENeRAG Student Exchange on Vadose zone modelling (Italy)
- Tweet about ENeRAG Student Exchange on low enthalpy energy utilisation (Finland)
- Announcing the finalists who qualified for the International Problem Solver Competition
- Tweet about the Nordic Geological Winter Meeting
- Invitation to the International Symposium on Geofluids Budapest
- Newsletter #3 of the ENeRAG

From the start of the project till 30 September 2020, 96 tweets have been added to the Twitter account of the ENeRAG project, which has 90 followers so far. The total number of retweets is 98.

The most important tweets between M19-M24 project months:



- Scientific related tweets
- Promotion of the blog of ENeRAG
- Promoting ENeRAG and RGFC-IAH supported session at EGU 2020 Congress
- Fight against coronavirus posts (global response)
- Tweet about the successful review-meeting
- Tweet about the first joint paper publication
- Tweet about Goldschmidt 2020 attendance
- Post about on an open access ENeRAG publication
- Advertising the Online Workshop on Environmental Isotope Tracers in Hydrogeological Applications
- Newsletter #4 of the ENeRAG project

From the start of the project till 30 March 2021, 135 tweets have been added to the Twitter account of the ENeRAG project, which has 102 followers so far. The total number of retweets is 124.

The most important tweets between M25-M30 project months:

- Scientific related posts
- Advertising the Online Workshops of ENeRAG
- Posts about the Researchers' night event 2020
- Advertising the Innovation Day of ELTE
- Posts about geofluids related conferences
- Post about the Problem Solver Competition of ENeRAG
- Advertising the International Symposium on Geofluids organized by ENeRAG
- World Water Day celebration
- Newsletter #5 of the ENeRAG project

From the start of the project till 30 September 2021, 161 tweets have been added to the Twitter account of the ENeRAG project, which has 112 followers so far. The total number of retweets is 152.

The most important tweets between M31-M36 project months:

- Scientific related posts
- Advertising the Online Workshops of ENeRAG
- Advertising the International Symposium on Geofluids organized by ENeRAG
- Promotion on Call for partnership - vGeofluids21 Symposium

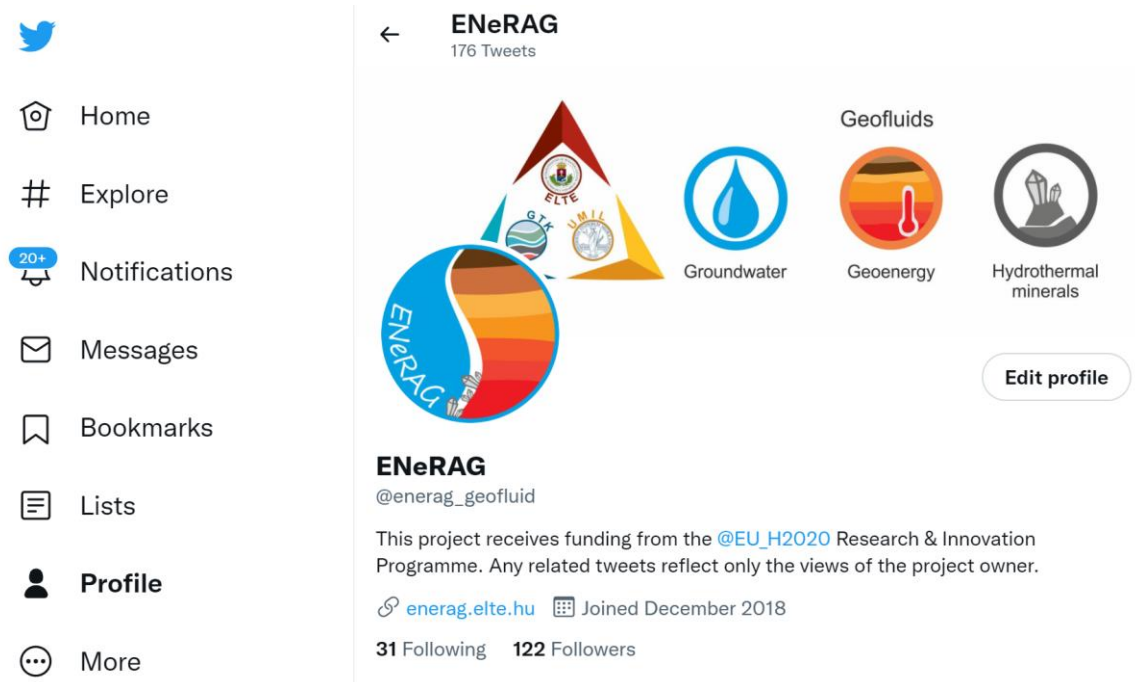


- Invitation to short course of ENeRAG: “John W. Molson: Numerical simulation of groundwater flow and heat transport processes”
- Invitation to short course of ENeRAG: “Vincent Post: Hydrochemical modelling with PHREEQC and its application of fluid-rock interaction”
- Post about the virtual poster walk on International Symposium on Geofluids Symposium
- Post about the winners of the International Symposium on Geofluids
- Post about the CHARM-EU news
- Post about the ENeRAG H2020 Twinning project – an opportunity for mutual growth
- Post about the comics named “Neptunus and the world without water”
- Post about the blog post of GTK
- Invitation to the Online Winter school of ENeRAG
- Post about the IAH video
- Newsletter #6 of the ENeRAG project

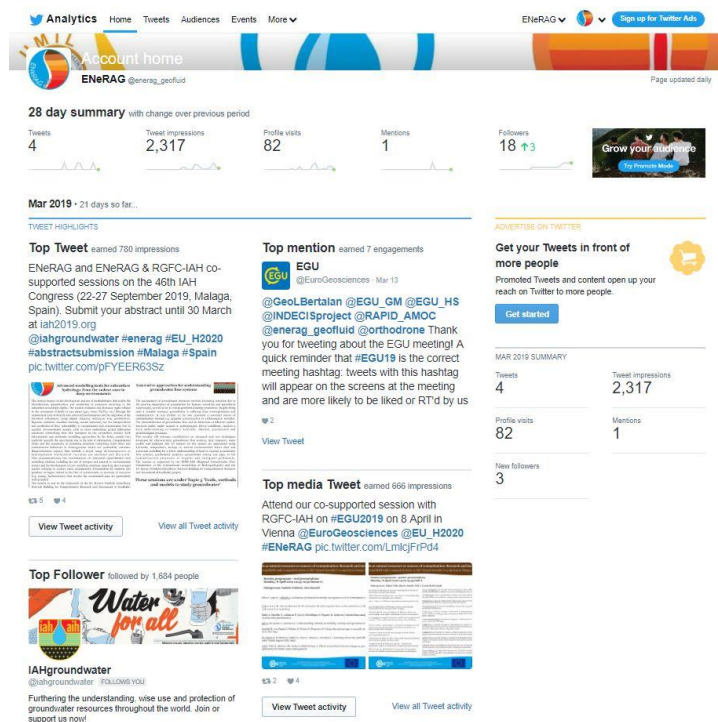
From the start of the project till 31 March 2022, 176 tweets have been added to the Twitter account of the ENeRAG project, which has 122 followers so far. The total number of retweets is 154.

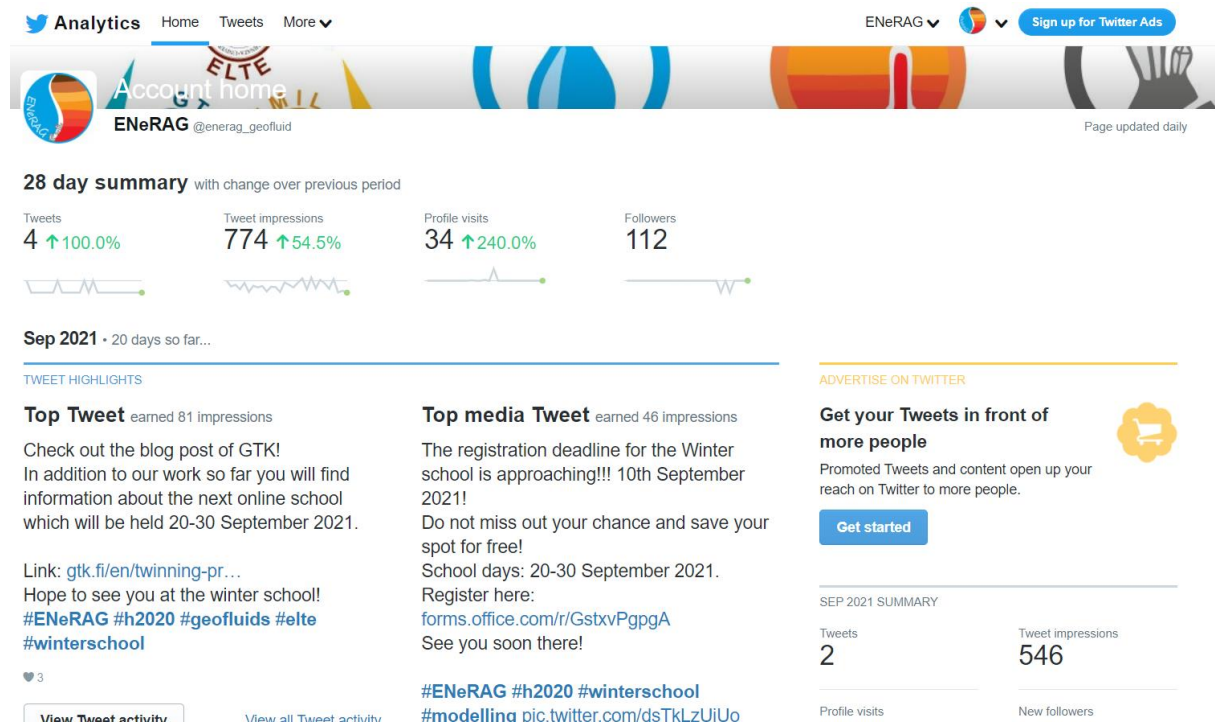
The most important tweets between M37-M42 project months:

- News about receiving the IAH “Presidents’ Award” in 2021
- "Wally & Deanna's Groundwater Adventure... to the Saturated zone" a tale available in Hungarian
- AAPG abstract call
- Post about freshwater resources
- Advertising the closing conference of the ENeRAG
- Introduction of the “The Water Rooms” series
- World Water Day 2022
- Newsletter #7 of the ENeRAG project
- Farewell post



**Figure 9 – ENeRAG project on Twitter (March 2022)**





**Figure 10 – Twitter page of the ENeRAG project with the statistics of its activity (September 2021)**



### 3. INFO-COMMUNICATION OF THE PROJECT

<b>Action 4.8.4: Info-communication of the project</b>	
<b>Form</b>	Website, Newsletter, ResearchGate project, blog, vlog
<b>Leader</b>	ELTE
<b>Participants</b>	ELTE, GTK, UMIL
<b>Contents</b>	The main channel of communication of the project is the website, where all project news, events, reports, comments, videos etc. will be hosted. The newsletter will be distributed in every half years electronically for subscribers (collected on the starting conference and through social media and website) and will be available on the website.
<b>Host</b>	ELTE
<b>Number of participants</b>	5-10
<b>Timing</b>	M1-42

#### 3.1 Website of the project

Among the channels of visibility of the project the website plays a key role. The site is working on the following address: <http://enerag.elte.hu/>. Here we introduced briefly the project, the consortium and supporting partners, the work packages and planned activities. The project website hosts all news and updates related to project's events. Visitors can contact the project's coordinator directly by using the [enerag@elte.hu](mailto:enerag@elte.hu) email address.

From the start of the project till 28 March 2019, 12 posts have been added under the 'News' menu of the ENeRAG project website. The 'Gallery' menu contains photos about the kick-off events. We are constantly updating the 'Events' menu, that is basically a calendar, where visitors can follow the dates of the upcoming events and activities of the project. Under the 'Competition menu' a call has been posted for a Problem Solver Competition announced by ENeRAG. Under the 'Field course' menu a detailed description has been posted about the Field Course (27-31 May, Hungary) on Fluid-Rock Interaction in Shallow Hydrothermal Systems. Under the 'Downloads' menu the newsletters of the project, the open access publications, the public deliverables and other issues, like: Booklet of Managed Aquifer Recharge (MAR) systems (in Hungarian) or Field Course on Fluid-Rock Interaction in Shallow Hydrothermal Systems – Program and field guide can be downloaded.

The most important news posted on the website between M1-M6 project months:

- ENeRAG attends the Twinning Coordinators' Day
- Kick-off meeting events
- ENeRAG is on EGU2019
- First student exchange of ENeRAG project
- Problem Solver Competition
- Call for abstracts: ENeRAG supported sessions on the 46th IAH Congress
- Field course on Fluid-Rock Interaction in Shallow Hydrothermal Systems





The title of the most important news posted on the website between M7-M12 project months (reaching 26 posts in the 'News' menu of the website until 30 September 2019):

- Two young researchers on the 26th Groundwater Conference
- Awarded presentations of young researchers on the 50th Meeting of Young Geoscientists
- ENeRAG project on the EGU General Assembly 2019
- Summer school in Milan: “Enhancing sustainable approach in vadose zone hydrology and groundwater vulnerability”
- A young researcher on GeoMATES ‘19 International Congress
- Field course on Fluid-rock interaction in shallow hydrothermal systems – 27-31 May 2019, Hungary
- ELTE participants on the ISMAR 10 conference
- Flowpath 2019 conference, Milan, Italy, 12-14 June 2019
- Karst School in Postojna, Slovenia, 17-21 June 2019
- ELTE participants on the ECROFI conference – Budapest, Hungary
- Summer school in Milan: “Enhancing sustainable approach in vadose zone hydrology and groundwater vulnerability” – 17-21 and 24-28 June 2019
- ENeRAG session at the Goldschmidt Conference 2019
- ELTE participants at the 10th Assembly of Petrology and Geochemistry – Hungary
- ENeRAG project on the IAH2019 Congress

The title of the most important news posted on the website between M13-M18 project months (reaching 39 posts in the 'News' menu of the website until 26 March 2020):

- UMIL and ELTE participated on the Researchers' night event
- DEEPWATER-CE project workshop with ENeRAG participants
- MAR workshop in Munich
- Final round and winners of the Problem Solver Competition
- ENeRAG attended the Widening day in Brussels
- Global Groundwater Sustainability – A Call to Action
- IAH-HNC autumn meeting with ENeRAG participants
- ENeRAG and RGFC-IAH organize a session on EGU General Assembly 2020
- Short course on isotope geochemistry of fluid-rock interaction
- Annual meeting of MTA Subcommittee on Hydrogeology
- Science Communication Workshop – 5 February 2020
- Short course on isotope geochemistry of fluid-rock interaction – To see the world through a droplet of water





- ENeRAG project participants at the Nordic Geological Winter Meeting
- Exchange program in Finland on low enthalpy energy utilization

The title of the most important news posted on the website between M19-M24 project months (reaching 44 posts in the 'News' menu of the website until 30 September 2020):

- Exchange program in Italy on vadose zone modelling
- ENeRAG organized a popular online session about geofluids: EGU General Assembly 2020 – EGU2020: Sharing Geoscience Online
- Participation and success in the Current Research of Environmental Sciences in the Carpathian Basin online conference
- ENeRAG participant at the Goldschmidt Virtual 2020 Conference
- Awarded ENeRAG publication

The title of the most important news posted on the website between M25-M30 project months (reaching 17 posts in the 'News' menu of the website until 30 March 2021):

- Meeting with the representative of Pannergy Plc. the stakeholder of the ENeRAG
- Brokerage Events – Green Deal call
- Horizon 2020 Proposal Writing Training Course
- DEEPWATER-CE project workshops with ENeRAG participants – 2020
- Project management and reporting in Horizon 2020 and Horizon Europe training course
- Online Conference “Addressing Groundwater Resilience under Climate Change” (IWRA)
- Danube Day 2020 – On-line!
- Online Workshop on Environmental Isotope Tracers in Hydrogeological Applications
- Roundtable discussion with the participation of Judit Mádl-Szőnyi (scientific coordinator of ENeRAG) at the Innovation Day of Eötvös Loránd University
- Researchers’s Night 2020 – ONLINE
- Internal ENeRAG workshop on Funding Opportunities for international calls
- Online Workshop on Shallow geothermal energy: from the ground to buildings, from the field to modelling
- Final round and winners of the International Problem Solver Competition
- International Symposium on Geofluids – 7-9 July 2021 – virtual event
- ENeRAG-ELTE participated Horizon Europe themed webinars
- Participation in the European Geothermal PhD Days (EGPD) and Winter School
- Online workshop on Modelling shallow bedrock energy utilisation



The title of the most important news posted on the website between M31-M36 project months (reaching 15 posts in the 'News' menu of the website until 30 September 2021):

- Water4Future Hackathon – ELTE participants on the competition
- 16th Carpathian Basin Conference for Environmental Sciences – ELTE participants
- ENeRAG project on the online EGU General Assembly 2021
- CHARM-EU Podcast with Ádám Tóth
- Participation on the 8th Mineral Sciences in the Carpathians Conference
- Online workshop on Mineral resources in hydrothermal mineral systems
- Participation on the online part of the World Geothermal Congress 2020+1
- International Symposium on Geofluids – The most significant scientific event of the ENeRAG project
- ENeRAG H2020 Twinning project – an opportunity for mutual growth
- ENeRAG at the 11th Assembly of Petrology and Geochemistry – Hungary
- Awarded presentations at the 51st Meeting of Young Geoscientists
- ENeRAG project on the 47th IAH Congress – online
- ENeRAG project on the 48th IAH Congress in Brussels 2021
- ELTE staff exchange – visit to GTK in the topic of isotope analytical techniques
- ELTE student visited GTK to learn about isotopes

The title of the most important news posted on the website between M37-M42 project months (reaching 12 posts in the 'News' menu of the website until 31 March 2022):

- ENeRAG scientific coordinator received the IAH Presidents' Award 2021
- Winter School on Conservative and reactive transport modelling
- ELTE PhD student participated in the World Geothermal Congress 2020+1
- Awarded poster presentation at the ILP 2021 conference
- Student Exchange – ELTE PhD student at UMIL
- ELTE PhD student exchange on mineral resources at GTK
- Second year PhD student (ELTE) visited the Geological Survey of Finland (GTK)
- ELTE staff member visited GTK
- Attendance on the 27th Groundwater Conference
- Closing workshop of the ENeRAG project
- Closing conference of the ENeRAG project
- Farewell

We were constantly reporting on the most important events and activities of the project, the relevant and upcoming conferences.



**Figure 11 –ENeRAG project homepage on [www.enerag.elte.hu](http://www.enerag.elte.hu)**

### 3.2 Newsletters

Newsletters will be provided reports on the project's results and past and upcoming events. The newsletters are [downloadable](#) from the website. Every newsletter will be distributed electronically for subscribers (emails collected on the starting conference), supporters and publish via social media platforms.

The 1<sup>st</sup> newsletter of the ENeRAG contains a welcome message, the presentation of the project, a summary of the events of the kick-off meeting and information about the recent and upcoming events/activities.

The 2<sup>nd</sup> newsletter contains a summary of the events/activities, that happened from April 2019 to September 2019, and also information about the upcoming project related actions.

The 3<sup>rd</sup> newsletter contains a summary of the events/activities, that happened from October 2019 to March 2020, and also information about the upcoming project related actions and the ENeRAG related publications.

The 4<sup>th</sup> newsletter contains a summary of the events/activities, that happened from April 2020 to September 2020, and also information about the upcoming project related actions and the ENeRAG related publications.

The 5<sup>th</sup> newsletter contains a summary of the events/activities, that happened from October 2020 to March 2021, and also information about the upcoming project related actions and the ENeRAG related publications.

The 6<sup>th</sup> newsletter contains a summary of the events/activities, that happened from April 2021 to September 2021, and also information about the upcoming project related actions and the ENeRAG related publications.

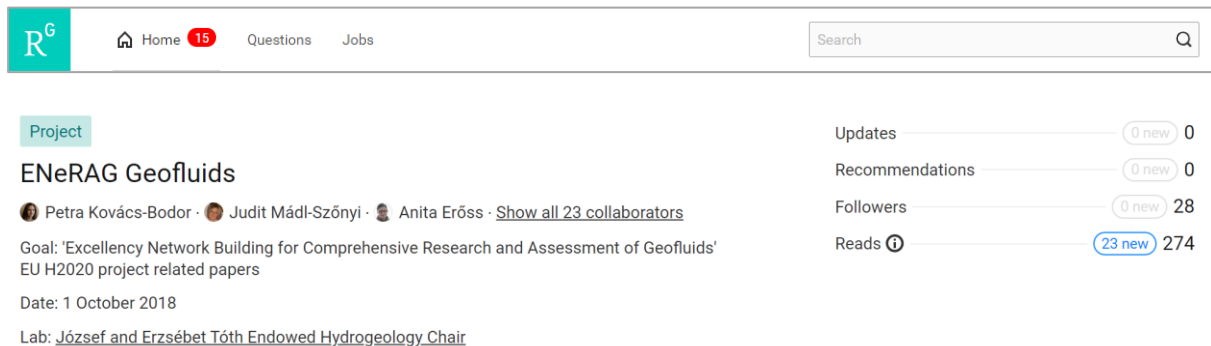
The 7<sup>th</sup> newsletter contains a summary of the events/activities, that happened from October 2021 to March 2022, and information about the closing actions and the ENeRAG related publications.



### 3.3 ResearchGate page of the project

By using ResearchGate we are going to inform the researchers' community about the project's results, events and publications: <https://www.researchgate.net/project/ENeRAG-Geofluids>

Since the start of the project, 21 articles, 54 conference paper, 12 presentations, 7 posters have been added to the ResearchGate page of the ENeRAG project. The abstracts of the presenters on the conferences - where ENeRAG represents itself - are uploaded to the ResearchGate site as well.



**Figure 12 –Research Gate page of the ENeRAG project (March 2022)**

### 3.4 Blog(s)

The ENeRAG H2020 project with the cooperation of the József and Erzsébet Tóth Endowed Hydrogeology Chair and the RGFC-IAH launched a geofluids [blog](#) named, “**Groundwater, Geoenery, Hydrothermal minerals**”. This scientific blog intends to inform those who are interested in the underground fluids including groundwater, thermal water, hydrothermal mineral resources, geothermal energy, hydrocarbons and their interrelationships.

The target audience are colleagues and hydrogeological professionals, but the blog also provides useful information for high school students and their teachers. University students as well as representatives of related disciplines, such as geography, meteorology, hydrology, water management, ecology, soil science, geothermal energy, hydrocarbon geology and agriculture can also find interested posts on the blog.

From the start of the blog till 28 September 2020, 19 posts have been added to the blog of the ENeRAG project.

The title of the posts from the start of the blog (1 May 2020) till M24 project month:

- COVID-19 and Groundwater-dependent ecosystems
- Irrigation: groundwater or surface water?
- Drip irrigation
- Can be the traces of COVID-19 detected in wastewater?
- World map of groundwater resources
- The effect of water extraction at coastal regions
- Groundwater, wells, drinking water and COVID-19



- Impact of irrigation on groundwater
- Groundwater and Mining
- Groundwater pollution
- Water resource management
- Sustainability
- Managed Aquifer Recharge (MAR)
- Where does your drinking water come from in Hungary?
- What happens to the raw water until it gets into our glass? Advanced water purification methods
- EDFS & The Water Framework Directive
- A citizen-science assessment of the state of the world's wetlands – SURVEY
- COVID-19 impact on research life – SURVEY
- SURVEY on lake manager perspectives

From 29 September 2020 till 30 March 2021, 10 posts have been added to the blog of the ENeRAG project.

The title of the posts from M25 till M30 project months:

- Water cycle
- Water cycle 2
- Karst Aquifer Resources availability and quality in the Mediterranean Area (KARMA) – SURVEY
- Sprinkled Like Paprika, The Thermal Waters of Hungary
- International Water Conference: SEFS, July 25-30, 2021
- Online Conference IWRA 2020
- About Natural Water Retention Measures (NWRM) in general
- International Year of Caves and Karst - Movie released
- Budapest Inferno - The secret of Molnár János Cave
- “World Water Day 2021: Valuing Water”

From 30 March 2021 till 20 September 2021, 4 posts have been added to the blog of the ENeRAG project.

The title of the posts from M31 till M36 project months:

- CHARM-EU Podcast with Ádám Tóth
- Neptunus and the world without water
- ENeRAG H2020 Twinning project – an opportunity for mutual growth



- New Book - The Lands of Karst

From 21 September 2021 till 31 March 2022, 6 posts have been added to the blog of the ENeRAG project. From the start till 31 March 2022, 39 posts have been added to the blog.

The title of the posts from M37 till M42 project months:

- IAH Presidents' Award
- Book recommendation: "Wally & Deanna's Groundwater Adventure... to the Saturated zone"
- The Hydrological Cycle - The Water Rooms #1
- Where is Water? - The Water Rooms #2
- The Water Nexus Games - The Water Rooms #3
- Celebration of World Water Day 2022. Groundwater: making the invisible visible

The József and Erzsébet Tóth Endowed Hydrogeology Chair **with the cooperation of the ENeRAG H2020 project** and the RGFC-IAH also launched a scientific [blog](#) in Hungarian language, named, "Vízkörforgalom a felszín alatt is...(Water circulation under the surface as well...)". This blog mainly focuses on hydrogeology. The blog provides a better understanding regarding the relationships between surface and groundwater. Water exploration and management related environmental and nature protection issues, irrigation and topics related to wells are also covered. It conveys knowledge on issues related to groundwater and geothermal energy, mining and hydrocarbon exploration.

From the start till 31 March 2022, 77 posts have been added to the Hungarian blog.

### 3.5 Press release – Introducing the project and its results to the media

Since the starting of the project, it was introduced, and the different events of the project were advertised through several media platforms, as follows:

- On the website of the Eötvös University:  
ENeRAG, the first project with consortium leadership at ELTE: <https://www.elte.hu/content/az-elte-eloszor-nyert-konzorciumvezetokent-h2020-projektet.t.16381>  
ENeRAG project has started: <https://www.elte.hu/content/elindult-az-enerag-projekt.t.17464>  
ENeRAG project kick-off meeting: <https://www.elte.hu/content/bemutakozik-az-enerag.e.10820>  
ENeRAG project was introduced: <https://ttk.elte.hu/content/bemutakozott-az-enerag-projekt.t.1610>  
The first 6 months of the ENeRAG project: <https://www.elte.hu/content/lezarult-az-enerag-projekt-also-feleve.t.18460>



In the footsteps of geofluids: <https://www.elte.hu/content/geofluidumok-nyomaban.t.18919>

Geothermal potential workshop by Prof Rybach with ENeRAG participants: <https://www.elte.hu/content/a-jovo-geotermikus-energiaja.t.19824>

The second 6 months of the ENeRAG project: <https://www.elte.hu/content/lezarult-az-enerag-projekt-masodik-feleve.t.19842>

National problem solver competition: <https://www.elte.hu/content/lezarult-az-enerag-projekt-novemberi-versenye.t.19988>

International isotope geochemistry course at ELTE: <https://www.elte.hu/content/egy-homokszebol-megfejteti-a-vilagot.t.20496>

In the track of subsurface heat columns: <https://www.elte.hu/content/felszin-alatti-hooszlopok-nyomaban.t.20380>

Mid-term summary of the ENeRAG project: <https://www.elte.hu/content/felidoben-az-enerag-projekt.t.20904>

Successful review-meeting: <https://www.elte.hu/content/sikeresen-vizsgazott-az-enerag-brusszelben.t.21138>

Karst water in our glass: <https://www.elte.hu/content/karsztviz-a-poharunkban.t.22150>

Innovation Day of ELTE: <https://www.elte.hu/content/innovatorok-az-elte-n.t.22255>

International Symposium on Geofluids: <https://www.elte.hu/content/nemzetkozi-szimposium-a-geofluidumokrol.t.23864>

International recognition of the Hungarian hydrogeology: <https://www.elte.hu/content/a-magyar-hidrogeologia-nemzetkozi-sikere.t.24313>

The network capacity of ELTE has strengthened: <https://www.elte.hu/content/erosodott-az-elte-halozati-kapacitasa.t.25274>

- On the website of the Faculty of Natural Sciences (ELTE):

The introduction of the project: <https://ttk.elte.hu/content/bemutakozott-az-enerag-projekt.t.1610>

ENeRAG project kick-off meeting: <https://ttk.elte.hu/content/enerag-nyitorendezyeny.e.152>

The first 6 months of the ENeRAG project: <https://ttk.elte.hu/content/lezarult-az-enerag-elso-feleve.t.1932>

Competition on Geofluids: <https://ttk.elte.hu/content/verseny-a-geofluidumokrol.t.2517>





Our success in hydrogeology in the frame of the ENeRAG project:

<https://ttk.elte.hu/content/sikereink-a-hidrogeologiaban.t.2435>

Geothermal energy in the future (workshop with ENeRAG participants):

<https://ttk.elte.hu/content/a-jovo-geotermikus-energiaja.t.2433>

Student Competition: <https://ttk.elte.hu/content/verseny-a-geofluidumokrol.t.2517>

In the track of subsurface heat columns: <https://ttk.elte.hu/content/felszin-alatti-hooszlopok-nyomaban.t.2745>

International isotope geochemistry course at ELTE: <https://ttk.elte.hu/content/egy-homokszebol-megfejteti-a-vilagot.t.2846>

Mid-term summary of the ENeRAG project: <https://ttk.elte.hu/content/felidoben-az-enerag.t.3193>

Innovation Day: <https://ttk.elte.hu/content/innovatorok-az-elte-n.t.3947>

Karst water in our glass: <https://ttk.elte.hu/content/karsztviz-a-poharunkban.t.3884>

Researchers' Night 2020: <https://ttk.elte.hu/kutatokejszakaja2020>

International Symposium on Geofluids: <https://ttk.elte.hu/content/nemzetkozi-szimposium-a-geofluidumokrol.t.4713>

International recognition of the Hungarian hydrogeology: <https://ttk.elte.hu/content/a-magyar-hidrogeologia-nemzetkozi-sikere.t.4947>

The ENeRAG is closing: <https://ttk.elte.hu/content/lezarult-az-enerag-projekt.t.5416>

World Water Day 2022: <https://ttk.elte.hu/content/a-viz-vilagnapja-veszelyben-egy-kritikus-eroforras.t.5430>

- On the website of the Department of Geology (ELTE):

ENeRAG project: <https://geology.elte.hu/content/enerag-projekt.t.6958>

Problem Solver Competition – the first Hungarian round:

<https://geology.elte.hu/content/nemzetkozi-verseny-a-geofluidumokrol-az-első-hazai-fordulo.t.7724>

International competition on geofluids: <https://geology.elte.hu/content/nemzetkozi-verseny-a-geofluidumokrol.t.6954>

Geothermal potential workshop by Prof Rybach with ENeRAG participants:

<https://geology.elte.hu/content/rybach-laszlo-profeszor-eloadasa.t.10108>





- Internal announcements of the events were made by GTK. These have been shown in the calendar of events of GETTI the internal information page of GTK. The topics of the announcements:
  - Workshop on environmental isotope tracers in hydrogeological applications
  - Online workshop on shallow geothermal energy
  - Online workshop in geoenergy
  - Online workshop on mineral resources
  - International Symposium on Geofluids
  - Winter school of the ENeRAG
  - Online course: conservative and reactive transport modelling
  - Lecture on clay mineralogical studies
- Radio interviews

Hungarian Catholic Radio (8. December 2018, time frame: 46:45-51:45)  
<https://www.katolikusradio.hu/archivum.php?firstaudioid=20&mev=2018&mho=12&mnap=08&mora=20&mperc=04>

Radio 24 (24 September 2019) – Interview with Corrado Camera on Meet me Tonight 2019  
[https://www.radio24.ilsole24ore.com/programmi/smart-city/puntata/trasmissione-settembre-2019-210312-ACWyXhm?refresh\\_ce=1](https://www.radio24.ilsole24ore.com/programmi/smart-city/puntata/trasmissione-settembre-2019-210312-ACWyXhm?refresh_ce=1)

Kossuth Radio (3. August 2021)  
[https://mediaklikk.hu/radio-lejatszo-kossuth/?date=2021-08-03\\_21-04-00&enddate=2021-08-03\\_21-40-00&ch=mr1&fbclid=IwAR3QmVyUxfXxiqpptxBEqmLs2Z-6Q1\\_64Kl0cHK47NTWV25IzRkuoZc2aUw](https://mediaklikk.hu/radio-lejatszo-kossuth/?date=2021-08-03_21-04-00&enddate=2021-08-03_21-40-00&ch=mr1&fbclid=IwAR3QmVyUxfXxiqpptxBEqmLs2Z-6Q1_64Kl0cHK47NTWV25IzRkuoZc2aUw)

Kossuth Radio (27 October 2021)  
[https://mediaklikk.hu/radio-lejatszo-kossuth/?date=2021-10-27\\_21-04-00&enddate=2021-10-27\\_21-40-00&ch=mr1](https://mediaklikk.hu/radio-lejatszo-kossuth/?date=2021-10-27_21-04-00&enddate=2021-10-27_21-40-00&ch=mr1)

Pátria Radio (22 March 2022) – Interview with Judit Mádl-Szőnyi on water cycle on the occasion of World Water Day 2022  
<https://patria24.rtvs.sk/2022/03/22/gazdagok-vagyunk-ivovizben-karpat-medenceben/>
- Videoriport of the ‘News of ELTE’: approximated release: 21 December 2018 on the website of the ELTE
- Press release (in Hungarian language):  
<https://tudomanyplaza.hu/horizon-2020-projekt/>  
<https://civilhetes.net/bemutakozott-az-enerag>



<http://www.innoportal.hu/h2020-projektet-nyert-az-elte>

<https://ng.24.hu/tudomany/2020/11/02/az-ertekes-ivovizet-rejto-karsztok-magyarorszagon/>

<https://szimpatika.hu/cikkek/9858/ertekes-ivovizet-rejto-karsztokat-vizsgaltak-magyarorszagon>

- In a television interview:

<https://www.mediaklikk.hu/video/magyar-kronika-197-adas-viz-viz-tiszta-viz/>  
(26 February 2019)

<https://www.mediaklikk.hu/video/en-vagyok-itt-2019-03-30-i-adas/#> (30 March 2019)

<http://novumtv.hu/adasaink/2022-03-21> (21 March 2022)

- International media (English language):

Advertisement of the summer school in Milan, Italy:

<https://iah.org/education/professionals/training>

Advertisement of the International Symposium on Geofluids:

<https://www.reflect-h2020.eu/2021/06/15/reflect-partners-with-the-international-symposium-on-geofluids-2021/>

<https://www.iahitaly.it/news/eventi/international-symposium-on-geofluids>

<https://eurogeologists.eu/event/international-symposium-on-geofluids-vgeofluids21/>

Advertisement of Shallow Geothermal Energy online workshop, Italy:

[http://alertgeomaterials.eu/data/posts/ENeRAG\\_geothermal\\_wks\\_flyer\\_program.pdf](http://alertgeomaterials.eu/data/posts/ENeRAG_geothermal_wks_flyer_program.pdf)

On the blog of the GTK: <https://www.gtk.fi/en/current/twinning-project-enerag-an-opportunity-for-mutual-growth/>

- Youtube videos:

Researchers' Night 2020:

- Groundwaters: lecture and experiments by Judit Mádl-Szőnyi  
<https://www.youtube.com/watch?v=v155IMo7gwo>
- What's going on under our feet ?! The pathway of contaminant below the surface  
[https://youtu.be/CnNwHTri\\_uM](https://youtu.be/CnNwHTri_uM)
- Two minutes on sustainable water management  
<https://youtu.be/CjZFzKeAQHQ>

Innovation Day 2020:

- Roundtable discussion about H2020 projects  
[https://youtu.be/0hdCeR\\_gOEE](https://youtu.be/0hdCeR_gOEE)



Earth Day 2021:

- What is flowing under our feet? Briefly about the groundwaterflow through the goggles of a geophysicist  
<https://youtu.be/nReOEsFLy1k>

Other themes:

- Worlds enclosed in stone - the groundwater of Budapest  
<https://youtu.be/jHCt2wTI31U>
- Popularization of hydrogeology  
<https://youtu.be/xlBmE-CRw8E>