**Development of erosion prediction tool
for sustainable soil management**

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Predict-Er

Deliverable D4.2

Plan for dissemination and exploitation

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Contents

1 Executive Summary

The *Predict-Er* project adopts a multidisciplinary approach, that combines nuclear, analytical, statistical, and remote sensing techniques to generate high-resolution in-field data. This data will be integrated into an innovative Web-GIS tool capable of forecasting changes in soil erosion rates and sediment dynamics across diverse management scenarios. Hence, the overall aim of *Predict-Er* is to give vital information for efficient and targeted soil management, making a notable contribution to the future implementation of European Union directives.

The project concept is transferable to erosion-prone areas nationally and internationally, promising widespread practical impacts. The Web-GIS tool will undergo continuous improvement post-project completion, incorporating feedback from end users. *Predict-Er* aspires to enhance the alignment of soil protection with economic activities, addressing the pressing need for defining cost-effective conservation practices alongside the development of more effective land-use policies. Ultimately, *Predict-Er* aims to strengthen the research capacities of participating Soil Research Organizations (SROs) in the domains of soil erosion and sediment dynamics. The project also seeks to boost its visibility through effective knowledge transfer and dissemination, facilitating the integration of participating SROs into European and global research arenas, thereby enhancing their competitiveness for international research funding.

To accomplish this, the development of an extensive dissemination and exploitation plan is deemed necessary, wherein the benefits of project activities and Web-GIS tool are highlighted to overcome the lack of a clear understanding and communication among all the involved stakeholders and partners.

In this context, the Work Package 4 (WP4) of *Predict-Er* (Project Management and Dissemination) strives to guarantee efficient management of activities, data, and risks. It also aims to construct a robust strategy for communicating and disseminating all project activities and outcomes, creating awareness about the work and significance of *Predict-Er* among the scientific community, stakeholders, end-users, and the general public.

Hence, the aim of sub-activity 4.2 within the *Predict-Er* project, in which this Plan for Dissemination and Exploitation of Results is contained, is to optimize the project's visibility and ensure the delivery of Project results to the designated audience. This involves (i) outlining dissemination and exploitation activities based on Project results, (ii) coordinating the roles of project team members in these activities, (iii) establishing indicators to measure the achieved impact, and (iv) preparing materials for stakeholders. Additionally, (v) sustainability measures must be identified to ensure the continued impact of the Project results on target groups beyond the project duration.

2 Purpose of this document

This document will serve as a dynamic guide for communication and dissemination efforts carried out by the consortium throughout the project. The formal delivery date of this document is scheduled for month 4. However, additional intermediate updates may be

released as needed, for example, 23-29 months after the project's commencement, specifically during the fourth quarter of 2025 and the first quarter of 2026, coinciding with the planned release of a Web-GIS tool. Upon the project's conclusion, a final version will be presented, along with the product and results of each dissemination activity. This presentation will also encompass future-oriented dissemination and exploitation activities anticipated by each partner after the project concludes.

This document addresses the creation of the Project's visual identity and website, social media accounts, preparation of articles and all other publications, video release, participation in scientific conferences, and organization of the Project's events. The Plan will be updated during the Project to consider the results obtained and the exploitation remarks and to focus the activities on the most relevant publications, events, and stakeholders.

3 Objectives

The objectives of dissemination and exploitation activities will be targeted in three stages during the Project's lifetime:
- Stage 1 (month 1- month 3) - raising awareness of the Project's objectives, activities, and impacts among target groups to create a broad base for future dissemination and exploitation;
- Stage 2 (month 4 - month 36) - promote understanding of new knowledge on erosion and sediment transport and effectiveness of appropriate management options since the first deliverables will be available for exploitation by the target audience;
- Stage 3 (month 30 - month 36) - influencing decision-making, i.e., incentivizing the target groups to adopt the best management options provided by the *Predict-Er* tool and providing regular feedback concerning *Predict-Er* results.

4 Methodology

Since no results will be accessible at the project's outset, the initial months will center on building awareness among diverse stakeholders, establishing a broad audience base for future dissemination activities. Subsequently, as the first results and deliverables become available for exploitation, the dissemination efforts will incorporate more advanced content.

Predict-Er aims to share its findings with the global scientific community through strategic means. This involves publishing six papers in scientific journals, with a commitment to having at least four of them published within the project duration, and ensuring that three papers are accessible through open access. Additionally, the project plans to actively participate in six target conferences, with a focus on four leading ones.

The dissemination of results will go beyond conventional channels, including publication in high-impact journals to highlight the team's enhanced scientific expertise. This approach aligns with collaborative efforts and skill exchange, both within the team and with external partners. Such interactions are pivotal in expanding the established research network at both the European and global levels.

This expansion is not merely confined to the project's duration; it's designed to have a lasting impact, fostering new initiatives and projects. By consistently engaging in these activities,

Predict-Er aspires to contribute significantly to the scientific landscape, extending the influence of its research well beyond the project's defined timeline.

The results will also be disseminated to target stakeholders through planned events (Table 1). The exploitation of the *Predict-Er* results in terms of new research, new approaches in policymaking, decision-making, and on-ground soil management, will be supported by sharing generated data and knowledge with the global scientific community by providing know-how on the use of the *Predict-Er* Tool and demonstrating the long-term benefits of site-specific and sustainable management practices (Table 1).

Table 1. *Predict-Er* dissemination, exploitation, and communication activities (actions, tools, target groups, impact measurement)

Action	Tool	Target groups	Impact measurement	Target values
Dissemination				
Publication of peer-reviewed papers; conference presentations	Scientific journals; oral/poster presentations	Scientific community	# and relevance of submitted papers and attended conferences	6 papers submitted, at least 4 published in 3y (minimum 3 in the top 10% journals), 6 presentations, 4 at leading international conferences
Organization of events with target stakeholders	Kick-off meeting	Policymakers, decision-makers	# of events, # of attendees	1 event, > 10 stakeholders
	Presentations/demonstrations	Students of UNFSM and AGRIF		1 event/y, >30 students/event
Participation in science promotion events	Researchers' night; Open Day	All target groups, general public	# of events, # of visitors	At least 1, > 500 visitors
Exploitation				
Creation of datasets	The project's website, Zenodo public repository	Scientific community, students	# of downloads	>500/3 y
Creation of the *Predict-Er* tool	Web-GIS portal (Project's website)	Policymakers, decision-makers, end users, the scientific community, students, final beneficiaries	# of users	>200 users from initiating the Toll till the Project end
Organization of the event on exploitable results	Demonstration event	Policymakers, decision-makers, end-users	# of events, # of attendees	1 event, >30 attendees
Communication				
Official correspondence	Contacts with official bodies, public or private companies	Policymakers, decision-makers, end-users	# of contacts	>30 contacts
Publications and advertising	Factsheets, policy briefs, newsletter	All target groups, general public	# of produced materials	>10 for the website and social media use
	Printed promotional materials	All target groups, general public		>300 printed promotional items
Web and social media use	The project's website, social media channels	All target groups, general public	# of visits # of downloads	>1000 visits > 500 downloads/3y
News media	Print newspapers and online info portals, regional TV station	The general public, all target groups	# of articles # of TV news	At least 4 articles At least 2 TV news

5 Targeted audiences

The targeted audiences for *Predict-Er* include:

- **Researchers:** This group comprises project team members, soil erosion specialists, and researchers with broader scientific interests related to the Project in Serbia and beyond Serbian borders. Direct benefits for this community will stem from *Predict-Er*'s novel scientific findings disseminated through high-ranking journals, conferences, and other communication channels. Additionally, joint proposals for national, regional, and EU projects will be facilitated. The integrated approach, knowledge exchange, and access to data for model verification and development will particularly influence groups engaged in modeling soil erosion and sediment transport;

- **Students:** The Ph.D. student engaged in the Project will develop skills crucial for the physicochemical characterization of soil and sediments, along with acquiring data processing and modeling knowledge. This skill set will directly enhance the quality of the doctoral dissertation. Activities in Work Package 4 (WP4) will target universities in Serbia and globally with study programs relevant to *Predict-Er* topics, aiming to raise students' awareness of soil erosion's significance. Presentations and demonstrations will specifically benefit students in courses such as Geomorphology, Geography of soils, Biogeography, GIS, and Soil management;

- **Policymakers:** This group encompasses planning and permitting bodies, regulators, standardization bodies, decision-makers, municipal specialists, and other stakeholders in the field of natural resources and the environment (agriculture, forestry, water management, environmental protection, etc.). From the outset of the Project (WP4), stakeholders will provide valuable insights on their utilization of information on soil properties, erosion extent, and sediment delivery. Decision-makers will be intentionally and positively influenced by knowledge transfer, involving the practical application of scientific methods to identify, prioritize, and offer optimal management options for erosion-prone soil. Stakeholder feedback will be incorporated into the tool design to deliver all relevant information in a user-friendly form;

- **Landowners, farmers, and the local population:** As final beneficiaries, these groups will indirectly benefit from *Predict-Er* by adopting effective, tailored soil conservation practices to enhance soil stability, fertility, and agricultural production. Recognizing social and economic constraints, the impact of *Predict-Er* will be maximized by considering controlling factors and fostering active communication to demonstrate and justify the benefits, particularly economic ones;

- **Public bodies and the general public:** This target group includes environmental non-governmental organizations, citizen organizations, and individual citizens. *Predict-Er* will provide information on the causes and adverse effects of soil erosion, advancements in its control, and the long-term benefits of sustainable soil management. The information will be presented in a format adapted for users without prior technical knowledge, contributing to the education of society as a whole.

6 Dissemination and Exploitation Content

The dissemination of content encompasses the deliverables to be produced throughout the project, including publications such as peer-reviewed manuscripts and conference presentations. Exploitation is tied to the creation of datasets and the *Predict-Er* tool.

6.1 Project Deliverables

Throughout the *Predict-Er* project timeline, a diverse array of official and public deliverables will be generated. The culmination of these efforts, expected by month 36 (M36), will result in the Report on *Predict-Er* tool testing and the Final Workshop Report, serving as pivotal deliverables of the project. These key deliverables, along with the entirety of the 15 deliverables produced during the execution of the *Predict-Er* project, will be accessible on the project website. Refer to Table 2 for a comprehensive list of these deliverables.

Table 2. Major Deliverables.

Deliverable ID	Deliverable name	WP No	Month of delivery
D1.1	Review report on the study catchment area	1	2
D1.2	Report on aerial and terrestrial surveying	1	12
D1.3	Report on sampling campaign	1	19
D1.4	Datasets produced by sample analysis	1	20
D2.1	Digital elevation models	2	16
D2.2	Soil erosion rates	2	21
D2.3	The relative contribution of potential sediment sources	2	22
D2.4	Multivariate analysis results and maps of physicochemical soil properties, stable element contents, and radionuclide activities	2	23
D3.1	Report on integrated remotely sensed data on sampled soil and sediments, and vulnerability maps	3	29
D3.2	Web GIS portal	3	30
D3.3	Report on Predict-Er tool testing	3	36
D4.1	Predict-Er website	4	1
D4.2	Plan for Dissemination and Exploitation	4	4
D4.3	Strategy for Knowledge Management and Protection	4	6
D4.4	Workshop Report	4	36

6.2 Curated Datasets: A Compilation of Collected and Generated Data

Datasets within the *Predict-Er* project will be accessible to all project members both during and after its implementation. Once papers are accepted by peer-reviewed journals and assigned DOIs, external researchers will have full access to the data for verification and reuse throughout and beyond the project's duration. The data will be made publicly available for download on the Predict-Er website, ensuring transparency and widespread utilization.

The primary datasets generated during the project will not contain sensitive information, prioritizing data security and ethical considerations. These datasets, produced in standard

formats like DOCX, XLSX, GeoTIFF, JPEG, PDF, etc., will adhere to interoperability requirements for seamless integration into various platforms.

Table 3. Datasets that will be collected/generated during Project realization.

Dataset name	Description	Data use with reference to the research field
Slope and river flow direction maps	Shows terrain slope and direction of water flow	For preparing field campaigns and comparison with future data derived from high-resolution DEM
Land cover map from Sentinel 2 satellite imagery	Land cover map derived from Sentinel 2 satellite imagery in 10 m resolution	For comparison with future land cover data derived from high-resolution multispectral imagery
Vectorized geological and soil maps	Vectorized special-purpose maps	Data will be used as a parameter for estimating soil erosion and assessing the soil's vulnerability to erosion
LiDAR high-resolution point cloud	LiDAR produces detailed digital 3D relief model	For obtaining high-resolution DEM
High-resolution DEM	Digital Elevation Model characterized by mm-scale and cm-scale resolution	For obtaining an mm-scale and cm-scale resolution 3D terrain model for feeding erosion process models
Aerial (drone) imagery – RGB and multispectral	Aerial photos that provide a high level of detail (mm-scale and cm-scale resolution and absence of clouds)	For high-resolution orthophoto, spectral indices with multispectral data to obtain land cover maps
Highly detailed land cover	Land cover derived from our multispectral drone imagery characterized by mm-scale and cm-scale resolution	For obtaining mm-scale and cm-scale resolution land cover for feeding erosion process models
Sediment sources and suspended sediments prop.	Physicochemical properties, stable element contents, and radionuclide activities	Determining and quantifying the sediment sources
Soil and sediment properties raster maps, graphs, tables	Geospatial analysis maps, graphs, and tabular values of the soil and sediment properties	Data and maps will be used for determining spatial correlations between raster maps and feeding erosion process models
FRNs activity concentrations	Data that show the vertical and spatial distribution of the FRNs in the soils	FRNs measurements data will be used to estimate soil redistribution rates in the river basins
Soil redistribution rates (FRN methods)	The estimation of soil redistribution rates through the application of different conversion models	Spatial distribution of FRNs inventories in the soil and soil redistribution rates using geostatistical methods
Spectral indices data	Combination of spectral bands in a multispectral image to show the relative abundance of features of interest	For correlations with other data for detecting and identifying soil erosion
Spatial correlations of raster datasets	Spatial correlations between raster-based models to see the relationship between covariates	For detecting the relationship between soil erosion and soil types, land cover, and terrain properties
Soil erosion vulnerability/risk map (AHP method)	Special-purpose vulnerability maps that show estimated soil erosion based on selected scenarios	For prediction of soil erosion rates and sediment yield at different scenarios for planning appropriate conservation measures
Index of Connectivity map	A map of the sediment delivery model representing sediment movement pathways	The map will help in the determination of the probable sediment sources, movement pathways, and their relocation in the catchment.
WaTEM/SEDEM data	Maps and calculated numeric data on sediment redistribution in the catchment	The data identify erosion and deposition areas within a catchment
Sediment Source Tracing model data (Fingerprinting)	Calculated numeric data and graphs of sediment source contributions modeled with FingerPro	Data will help in detecting the main contributing sources and therefore erosion endangered areas

To facilitate efficient data discovery and identification, each dataset will include descriptive metadata, encompassing properties such as file name, author, data type, creation date, etc. The overarching goal of the project is to make dataset content easily discernible for all team members and interested researchers. This is achieved through an internal naming convention based on the format: Predict-Er-{Work Package}-{File Title}.{File Version}.{File Type Extension} (e.g., Predict-Er-WP1-LandCover.01.shp). This standardized approach ensures clarity and accessibility, contributing to the project's overall efficiency and collaborative research efforts.

Datasets that will be collected/generated during Project realization are listed in Table 3.

6.3 *Predict-Er* tool

The multi-task *Predict-Er* tool is designed to formulate optimal solutions for soil erosion risk detection and provide actionable recommendations for future land management practices. This tool facilitates the anticipation of changes in soil erosion rates and sediment yields across various scenarios, including different land cover classes, precipitation ranges, and time periods (refer to Fig. 1).
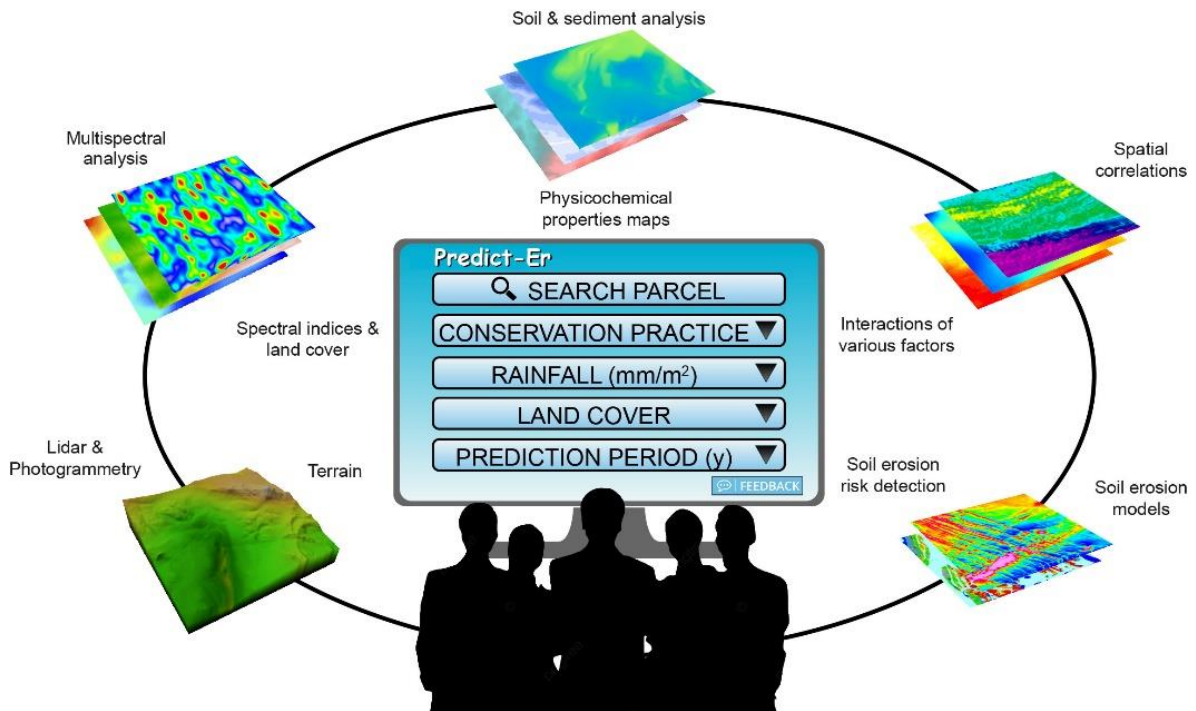

Fig. 1. *Predict-Er* concept.

Additionally, the tool offers a spatial distribution of soil quality indicators, enabling the formulation of recommendations for conservation and rehabilitation strategies or suggesting alternative land uses. This feature is particularly crucial in areas identified as hot spots for intense erosion processes.

To enhance accessibility and collaborative engagement, a Web GIS portal will be implemented, creating an integrated environment compatible with both Web and Mobile platforms. The graphical user interface of this portal will present a map and share pertinent soil properties information along with soil conservation advice. Users can search for cadaster identifiers, allowing them to access information on soil preservation methods and recommended crop rotations for optimal land parcel utilization based on its specific characteristics.

7 Communication channels, tools, and engagement initiatives

The results are disseminated via various channels to reach the target groups, taking into account the best communication planning for each target group. The list of social media profiles is shown in Annex 1.

7.1 Project website

The website is intended to reach all target groups of the project, although a greater number of visits are expected from the groups that are more technically orientated and related to the topic of the project. The main communication objectives of the website are:

- Provide relevant and up-to-date information to a wide audience;
- Ensure that the information is provided in an accessible and user-friendly way;
- A common documentation base for all partners with the most important project documents and results;
- An information database for all activities and results carried out by the project and its partners.

The deliverables of the project will be made available on the project website (https://www.predict-er.com/).

7.2 Project brochures and other disseminative materials

To effectively promote and communicate the project's objectives and outcomes, a variety of materials will be developed, including brochures, videos, presentations, leaflets, posters, and other relevant content.

In line with this goal, we have already produced the project logo, brochure, and roll-up posters to showcase and communicate the project's aims and accomplishments. The project's visual identity, represented by its logo, can be viewed in Fig. 2. Flyers and roll-ups have been specifically designed and are available for reference in Fig. 3 and Fig. 4.

Fig. 2. The visual identity of the *Predict-Er* project (logo).

As described in the project documentation, a range of different dissemination materials will be produced to raise awareness of the project results and maximize their impact among stakeholders.

The resulting materials will show the results of the jobs done, containing a description of the debates taken into account and the results achieved.

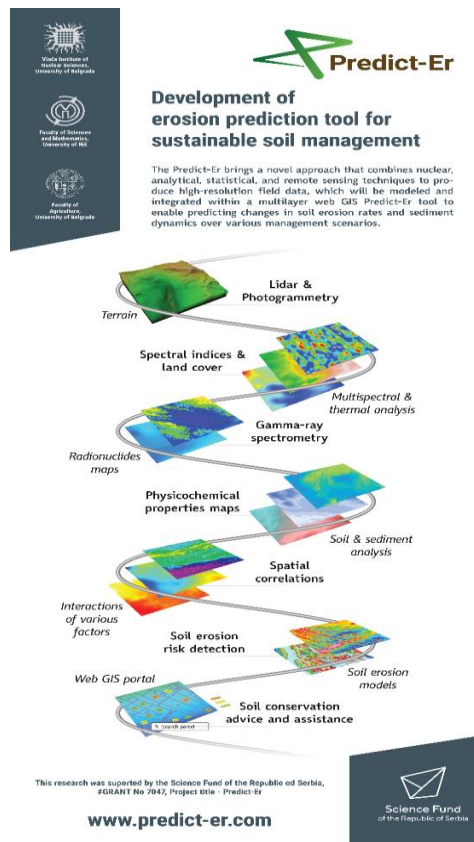Fig. 3. Flyer for the *Predict-Er* Project.

Fig. 4. Roll up poster for the *Predict-Er* project.

7.3 Publications

Representative target journals with estimated times of submission are:

- Catena (IF 6.2 (2022), open access; year 1);
- International Soil and Water Conservation Research (IF 6.4 (2022), open access; year 2);
- ISPRS Journal of Photogrammetry and Remote Sensing (IF 12.7 (2022), open access; year 2);
- Geoderma (IF 6.1 (2022), year 3);
- Science of the Total Environment (IF 9.8 (2022), year 3);
- Journal of Environmental Management (IF 8.7 (2022); year 3).

7.4 Relevant events for the Predict-Er project

These events gather experts, researchers, and professionals from around the world who are interested in their respective fields. By participating, team members will have the opportunity to reach a diverse and broad audience, maximizing the exposure project's findings and outcomes. In Annex 2, a preliminary list of relevant events in which the team members will participate is provided. Events such as scientific conferences, symposiums, and workshops serve as platforms for knowledge exchange and sharing of research findings. Team members will have the opportunity to share insights, and discuss the project's findings, thereby enhancing the dissemination of knowledge related to the project's topic. The listed events provide a conducive environment for promotional activities related to the *Predict-Er* project.

Through presentations, posters, and networking sessions, team members can actively promote the project, its objectives, and key outcomes to a targeted audience interested in the subject matter. Participation in listed events enables team members to establish valuable connections and networks within the scientific community. Building relationships with other researchers, stakeholders, and organizations can lead to collaborations, partnerships, and further dissemination opportunities in the future.

In Annex 3, a table is provided containing a detailed preliminary list of targeted stakeholders/institutions in connection with the *Predict-Er* project.

7.5 Appearance in media

After every relevant milestone of the project, every project member who took part in it will be asked to make a mention on their owned media channels and/or profiles making proper reference to the project:

- Referring to the project name;
- Referring to funding status;
- Describing their role in the project and/or in the specific event.

Afterward, media channels and profiles (website, newsletter, social media) will mention these publications to increase the impact of every communicative action.

7.6 Social networks

The project will have its own project profiles on social media to increase impact and create direct communication channels to enable interactions with the audience, who will think of different tools depending on the communication objective. Social networks are a powerful tool to achieve a multiplier effect in communication activities, so the project profiles will be constantly updated. The presence of the project on social media is fundamental to accomplish the objectives, it will be used as a relevant tool to reach third parties, the research community and to interact with the general public. The availability of new project results will be communicated informing about its progress disseminating the project outcomes and creating a scientific hub interested in collaborating with the project. The project members will also publish the relevant information on their social networks. Team members will be responsible for social media management, being in charge of the creation and maintenance of the profiles, and executing and making the follow up of all the publications.

7.6.1 Facebook

On Facebook, we will create an official project page where the team members can regularly share updates, milestones, and engaging content related to the project. Utilize features such as live videos for real-time interaction with the audience, fostering a sense of community. Additionally, leverage Facebook groups to gather like-minded individuals, researchers, and collaborators who share an interest in the project's objectives. We will share relevant articles, and build a network around our project. Facebook's targeted advertising can also be employed to reach specific demographics, ensuring our messages resonate with the intended audience.

7.6.2 Instagram

Instagram, offers a unique platform to showcase the human side of project. The team members can use Instagram to share behind-the-scenes glimpses, project highlights, and visually compelling images or graphics that convey key messages. We will utilize Instagram Stories and Reels to present short, dynamic updates and engage followers through interactive features like polls or Q&A sessions. We will leverage relevant hashtags to increase the discoverability of our project within the scientific community and beyond. Instagram's emphasis on visual storytelling provides an excellent opportunity to make project more relatable and compelling to a diverse audience.

7.6.3. X

X (Twitter) will be used to create a community with experts in different fields related to the project and share with them the results of the project. X will be used to inform about the existence of project events such as conferences and workshops, make a follow up of them, and disseminate the results. *Predict-er* profile on X will also make mentions of partners' assistance to third parties events, contributing to their dissemination and exposing their point of view about the topics discussed.

X is a tool that will be very useful to contact with experts in different fields and to reach a wider audience in the dissemination of content to a bigger audience such as the general public or end-users.

7.6.4 LinkedIn

LinkedIn is a professional social network and will be used to reach a business and scientific audience. This will be the scenario to share news and articles about the progress and outcomes of the project.

7.6.5 Youtube

YouTube will be used to upload audio-visual content that will be shared on other media and platforms.

8 Action Plan

The Global Action Plan includes the main events and actions to be carried out during project execution, most of them involving all the partners.

Many of the activities and actions included in the Action Plan were already defined in the *Predict-Er* Grant Agreement and therefore the allocation of responsibilities among partners and the respective budget are already partially defined.

The dissemination strategy is designed to not only disseminate project findings but also to measure the impact of our efforts against predefined target values. We understand that effective dissemination is not merely about spreading information but also about achieving tangible outcomes and reaching specific milestones.

To begin with, our focus on peer-reviewed publications and conference presentations is aimed at establishing our project within the scientific community. By submitting six papers over three years, with a minimum of four published in top-tier journals, and delivering six presentations, including at least four at leading international conferences, we are setting ambitious yet achievable targets. These metrics will serve as clear indicators of our success in disseminating our research to the academic community.

In addition, our engagement with key stakeholders, particularly policymakers and decision-makers, is guided by our target values. Through the organization of a kick-off meeting, we aim to convene at least one event with over 10 stakeholders. This milestone will not only mark a significant step in our dissemination efforts but will also provide a platform for meaningful dialogue and collaboration.

Moreover, our outreach activities targeted toward students are driven by specific impact measurements. By conducting at least one event per year with over 30 students in attendance, we aim to inspire and educate the next generation of professionals in our field, ensuring the sustainability of our project's impact beyond its duration.

Furthermore, our participation in science promotion events, such as Researchers' Night and Open Day, is guided by our target of reaching over 500 visitors annually. By engaging with diverse audiences and the general public at these events, we aim to raise awareness and interest in our project, ultimately contributing to its broader societal impact.

In terms of exploitation, our focus on creating datasets and developing the *Predict-Er* tool is underpinned by specific target values. To achieve over 500 downloads of our datasets within three years and reach over 200 users of the *Predict-Er* tool, we are committed to ensuring the widespread uptake and utilization of our project outcomes.

Lastly, effective communication is essential to our dissemination efforts, and our target values reflect this. By establishing over 30 official correspondences and producing more than 10 publications and advertising materials for website and social media use, we aim to amplify the reach and impact of our project communication efforts. Through these targeted actions and measurable outcomes, we are poised to achieve meaningful dissemination and maximize the impact of our project.

9 Monitoring

The main objective of monitoring and evaluation is to ensure a high-quality communication strategy execution. The project has an overall evaluation strategy to ensure the above-mentioned quality.

9.1 Performance measurement

The consecution of this plan will be measured according to the following indicators:

- The level of acknowledgment of the project in two levels: the main project's stakeholders and the general public;
- Rates regarding Website and Social media activities;
- Using web tools for analysing the number of views and giving a complete picture of the number of visitors, visited pages, and geographical coverage including the audience's needs and interests;
- Number of articles in scientific publications;
- Number of external contact requests: a contact form on the website will allow outside people to contact the team members on the project;
- Analysing the type of request will help identify where or how our communication has been efficient and reinforce it in other areas wherever needed such requests for information;
- Number of attendants to the project events.

9.2 Impact

Impact is a tool to ensure that the project objectives are being accomplished through a selection of tailored activities. Impact with regard to communication activities can help the team members understand the reach and sustainability of the project's results. Furthermore,

the impact can also be used to measure and assess the promotion activities in terms of their relevance, quality, and promotion channel.

9.3 Reporting

To facilitate an accurate monitoring and assessment of the communication activities, and to understand the impact of the actions carried out, it is necessary for all partners to register the activities that they implement. In this sense, there will be available in the private area of the website a section to report every communication activity or publication (articles, publications on blogs, etc.) made by each team member. These activities include both the previewed and the ad-hoc activities.

10 Conclusion

This document is a living (running) document. The document and the corresponding dissemination activity tables will be updated during the Project implementation.

This document will be the basis for the final Project Report, which will encompass the complete list of dissemination and exploitation activities carried out during the Project's implementation or planned after the Project's completion.

Annex 1. List of social media profiles

1) Facebook: https://www.facebook.com/profile.php?id=61556157030468
2) Instagram: https://www.instagram.com/predict.er?igsh=czE1d29nazJicmZ2
3) Linkedin: https://www.linkedin.com/in/predict-er-project-1908022b2/
4) X: https://twitter.com/Predict_Er
5) YouTube: https://www.youtube.com/@Predict-ErProject

Annex 2. Preliminary list of relevant events

1) The Centennial Celebration and Congress of the International Union of Soil Sciences, 19-21 May 2024, Florence, Italy;
2) The SGEM International Conference on Earth & Planetary Sciences, 2025, Vienna, Austria;
3) Predict-Er Kick-off meeting in Belgrade, VINS, 27 February 2024;
4) The scientific conference EGU General Assemblies, 2026, Vienna, Austria;
5) The XVI International Agriculture Symposium - "AGROSYM 2025", October 2025, Bosnia and Herzegovina;
6) The International Conference on Fundamental and Applied Aspects of Physical Chemistry, 25-29 September 2024, Belgrade, Serbia;
7) Researchers' Night
8) Open Day
9) Tool demonstrations
10) Presentations to students of UNFSM and AGRIF
11) Final Predict-Er workshop.

Annex 3. Preliminary list of relevant stakeholders

Name	Contact details	Website
Ministry of Agriculture, Forestry and Water Management	gorica.petkovic@minpolj.gov.rs office@minpolj.gov.rs	http://www.minpolj.gov.rs/
Ministry of Environmental Protection	Ana.Repac@ekologija.gov.rs projekti@eko.gov.rs	https://www.ekologija.gov.rs/
Geological Survey of Serbia	dejan.barjaktarovic@gzs.gov.rs office@gzs.gov.rs	https://www.gzs.gov.rs/
Geographical Institute "Jovan Cvijić", Serbian Academy of Sciences and Arts	a.milanovic@gi.sanu.ac.rs general@gi.sanu.ac.rs	http://gi.sanu.ac.rs/index.php/en/
Military Geographical Institute "General Stevan Bošković"	dejandjordjevic.vgi@gmail.com vgi@vs.rs	http://www.vgi.mod.gov.rs/
City Administration for Property and Sustainable Development	Ivana.Krstic@gu.ni.rs UIOR.Info@gu.ni.rs	https://www.ni.rs/gradska-uprava-za-imovinu-i-odrzivi-razvoj/
VPD Erozija	erozija018@mts.rs	https://erozija-nis.rs/
Administration for Emergency Situations in Niš	srdjan.mitrovic@mup.gov.rs vanrednesituacije@gu.ni.rs	https://www.ni.rs/stab-za-vandredne-situacije/

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Faculty of Technology and Metallurgy, University of Belgrade	onjia@tmf.bg.ac.rs tmf@tmf.bg.ac.rs	http://www.tmf.bg.ac.rs/en#gsc.tab=0
Faculty of Sciences, University of Novi Sad	dekan@pmf.uns.ac.rs	https://www.pmf.uns.ac.rs/en/
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International Union of Geodesy and Geophysics	secretariat@iugg.org	https://iugg.org/about/
European Commission Joint Research Centre Directorate D – Sustainable Resources	cristina.ARIAS-NAVARRO@ec.europa.eu	https://joint-research-centre.ec.europa.eu/
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