



SD-WISHEES

Measuring the impact of SD-WISHEES project through the dashboards

Deliverable 4.3 – December 2024

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LIST OF ACRONYMS

Acronym	Full title
AAS	African Academy of Science
ANR	Agence Nationale de la Recherche
CNR	National Research Council
CMCC	Euro-Mediterranean Center on Climate Change.
DfG	Data for Good
ERA	European Research Area
HRBA	Human Rights Based Approach
ISPRA	Italian Institute for Environmental Protection and Research.
JPI	Joint Programming Initiative
KPIs	Key Performance Indicator
NGO	Non-Governmental Organisation
RFO	Research Funding Organisation
R&I	Research and Innovation
TAP	Thematic Annual Programming
WPs	Work Packages

SUMMARY

The [SD-WISHEES project](#) - [Supporting and Developing Widening Strategies to tackle Hydroclimatic Extreme Events: impacts and Sustainable solutions for cultural heritage](#), financed within the Horizon Europe Research Programme, started its activities in January 2023. The Consortium consists of [16 members](#) from 12 countries. SD-WISHEES was initiated by members from the Water Joint Programming Initiative (JPI), the JPI Climate and PRIMA (Article 185 on the Mediterranean area). The Consortium gathers organisations with strong expertise in the European Framework Programs, multilateral instruments for research and innovation (R&I) collaboration, participatory approaches, impact analysis and innovation.

SD-WISHEES will strive to enhance collaboration with widening countries through the Horizon Europe Programme and the launch of joint activities.

This document, '**Measuring the impact of SD-WISHEES project through the dashboards**' (**Deliverable 4.3**), was developed within the Work Package 4 to explain what the dashboard tool is used for and how it is used within the Project. This document consists of **6 sections**.

It starts with a short description of the Project, its main aims and objectives and its members.

Then, the activities carried out by WP4 are described, above all the ones within the Task 4.2 'Optimisation and upgrade of existing dashboards as the strategy to raise awareness' to which this deliverable **D4.3** Best practices - 'Measuring the impact of SD-WISHEES project through the dashboards', refers to.

Subsequently, the document illustrates the KPIs (Table **D1.2 Monitoring**) which are precisely the monitoring object to be included in the dashboards. Moreover, a general description of the dashboards is given, with a focus on the ones created for the Work Packages to monitor their KPIs (Table D1.2 Monitoring).

Finally, in the conclusions, the advantages of using the dashboards and future recommendations are reported.

INTRODUCTION

This document has been developed in the framework of WP4 led by GSES. It focuses on the impact of SD-WISHEES project measured within the dashboard through the selected KPIs for the different WPs.

This Deliverable (D4.3), foreseen in WP4, is specifically related to the **Task 4.2** titled “**Optimization and upgrade of existing dashboards as the strategy to raise the awareness**”, since this task has its focus on the dashboards.

Furthermore, this deliverable aims primarily to monitoring the achievement of goals (selected KPIs for the different WPs, contributions to the SDGs) through the dashboards. It also seeks to analyse the use of this tool among partners (e.g., pros/cons, feedback, suggestions, etc.) to foster collaboration between partners and across different WPs, improve the visualization of activity progress, and support the dissemination of project results.

Through its six sections, the document gives at first a general overview of the SD-WISHEES project and then enter into detail of the KPIs related to each WP and their measurement and visualization through the use of the dashboards.

1. SD-WISHEES PROJECT

SD-WISHEES: Supporting and Developing Widening Strategies to tackle Hydroclimatic Extreme Events: impacts and Sustainable solutions for cultural heritage

SD-WISHEES responds to the call HORIZON-WIDER-2022-ERA-01-10 on “Programme level collaboration between national R&I programmes”. The aim of the proposal is to support “Widening Participation and Spreading Excellence” actions under Horizon Europe to build R&I capacity for countries lagging behind in the Framework Programme.

This project has the scope to foster collaboration between national research and innovation funding and research members to address together the protection of cultural heritage in Europe and beyond. With this purpose, multi-annual joint activities have been implemented focusing on the better understanding and identifying the best available adaptation solutions in response to **hydroclimatic extreme events**, such as droughts and floods. Through their participations as funding contributors or experts in the Climate JPI, the Water JPI and the Article 185 PRIMA, the SD-WISHEES Consortium gathers partners from widening countries within Horizon Europe (Malta, Portugal, Romania), Associated countries to the programme or with which negotiations are currently taking place (Albania, Georgia, United Kingdom), international parties (Kenya) and EU countries with long experience in Framework Programmes (Belgium, Italy, France).

Water hazards constitute a major risk for the maintenance of worldwide cultural heritage, having been ranked as first driver in the loss of our legacy in Europe so Transnational programmes, like Joint Programming Initiatives (JPIs) and PRIMA, provide the optimal financial and policy framework.

The project started on 1 January 2023 and will conclude on 31 December 2026.

1.1 The main objectives of the project are:

- Enhance cross-sector collaborations and strategic coordination between water, climate and cultural heritage;
- Launch and monitor joint activities to track progress towards widening participation;
- Address potential barriers for collaboration;
- Evaluate the impacts of those joint activities on widening policies as well as EU and international policy frameworks, notably the EU Green Deal and the Sustainable Development Goals (SDGs).

In particular, the following goals are included in the project work programme:

- Better understanding of **remaining knowledge gaps** at a crossroads of water, climate and cultural heritage that should be addressed by future R&I activities;
- Publication of the **SD-WISHEES Vision document** (month 27 of the project);
- Launch and monitoring of a **TAP action** (Thematic Annual Programming);
- Identify and, if sufficient budget is available, implement additional collaborative activities;
- Gain a better understanding of **innovation pathways** in widening countries;
- Conduct general outreach of the project through diverse communication and dissemination tools.

- Assess the contribution of SD-WISHEES to the United Nations Sustainable Development Goals (UN-SDGs) and European Widening policies through a **dedicated dashboard** (WP4 and WP5) and the identification of existing collaboration hurdles (WP5).

1.2 Who are the partners?

SD-WISHEES Consortium members:

1. (Coordinator) National Research Council of Italy (CNR)
2. The African Academy of Sciences (AAS)
3. Institut Royal Meteorologique de Belgique (IRM)
4. World Experience for Georgia (WEG)
5. Energy and Water Agency (EWA)
6. Fondazione Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC)
7. Unitatea Executiva Pentru Finantarea Invatamantului Superior A Cercetarii Dezvoltarii Si Inovarii (UEFISCDI)
8. Italian National Institute for Environmental Protection and Research (ISPRA)
9. Gses Management B.V. (GSES)
10. Agence Nationale de la Recherche (ANR)
11. Ministero dell'Università e della Ricerca (MUR)
12. Project Aid Ltd (PAL)
13. University of Evora (UEVORA)
14. Fundación Prima (PRIMA)
15. EcoAlbania (ECOALBANIA)
16. Project Aid Ltd (PAL)

For the purposes described above, partners will use their experience to achieve the three following **specific objectives (SO)**:

SO1: Develop an operational consultative framework to enhance cross-sector collaborations and strategic coordination between R&I water, climate and cultural heritage.

SO2: Enhance the capacity of national RFOs to participate in transnational R&I programmes and to contribute to the enhanced uptake of R&I investments, including within widening countries and countries beyond Europe, whilst addressing barriers to realising the benefits of collaboration.

SO3: Deliver information, solutions and/ or services to support the implementation of EU and international policies, strategies and frameworks including the EU Green Deal, EU widening programme, EU Adaptation Strategy and the SDGs. This include encouraging and enabling relevant stakeholders to participate in the co-design and co-implementation of solutions and / or services, as well as the provision of information.

On the basis of **four shared principles**:

Principle 1: SD-WISHEES will support a participatory approach so that stakeholders contribute to the scoping of activities and the implementation of actions and related solutions.

Principle 2: SD-WISHEES will support the coordination and alignment of research and innovation funding programmes across the ERA to enhance critical mass, capacity building and competitiveness at a global scale.

Principle 3: SD-WISHEES will seek impact-driven solutions in response to the effects of hydroclimatic extreme events on cultural heritage in the whole R&I chain.

Principle 4. SD-WISHEES will allow for exchanges, co-evolution and joint construction of knowledge to enrich decision making and societal actions and enhance the social utility and legitimacy of results.

1.3 Work Packages

The project is structured around **6 work packages**:

This deliverable is developed within the WP4 with the main objective to create a communication tool to foster the collaboration among the partners and the different WPs, better visualize the progress of the activities and support the achievements of the project.

- **WP4 Increase Awareness of Decisionmakers, Policymakers and the civil society through communication, dissemination and outreach actions - Lead Beneficiary GSES**

WP4 focuses on external communication, outreach, and dissemination of expertise regarding the impacts of hydrological extreme events, especially on cultural heritage. It aims to increase the visibility of the SD-WISHEES project, raising awareness among stakeholders, including policymakers, decision-makers, and civil society. The ultimate goal is to foster inclusivity and broaden participation in tackling hydroclimatic challenges.

The other WPs are briefly summarised below

- **WP1 Management and Coordination - Lead Beneficiary CNR**

WP1 is responsible for managing and coordinating the SD-WISHEES project, ensuring the efficient Integration of activities and clear communication with the European Commission and all partners (Led by the CNR)

- **WP2 Strategic planning of activities - Lead Beneficiary AAS**

WP2, led by AAS, aims to identify Research and Innovation (R&I) needs at the intersection of water, climate change, and cultural heritage within the European Research Area (ERA). The goal is to support strategic planning and collaboration, with a particular focus on regions like the Balkans and Africa. WP2's findings will help guide the Thematic Annual Programming (TAP) in WP3.

- **WP3 Implementation and monitoring of joint activities – TAP action Lead Beneficiary ANR**

WP3, led by ANR, aims to create a Joint Vision for SD-WISHEES, leveraging insights from WP2, and to launch, manage, and monitor a Thematic Annual Programming (TAP) action. This will enhance cross-sector collaboration and coordination among Water JPI, JPI Climate, and PRIMA, focusing on hydroclimatic extreme events and the protection of cultural heritage.

- **WP5 Strengthening the ERA with widening actions: understanding the impacts on global challenges, SDGs and European policies - Lead Beneficiary ISPRA**

WP5, led by ISPRA, aims to strengthen the European Research Area (ERA) by improving research and innovation (R&I) collaborations focused on protecting cultural heritage from the increasing threats posed by climate change and human activities.

- **WP6 Supporting and Widening the Market, Regulatory and Societal Uptake of R&I results - Lead Beneficiary CMCC**

WP6 aims to enhance the uptake of research and innovation (R&I) results by developing pathways that strengthen the interface between science, policy, and society, with a focus on cultural heritage (CH). The work package seeks to engage diverse stakeholders and co-design instruments to facilitate the adoption of research outcomes across Europe and beyond.

Each WP is connected. The various WPs are divided into tasks, as indicated in the figure below.

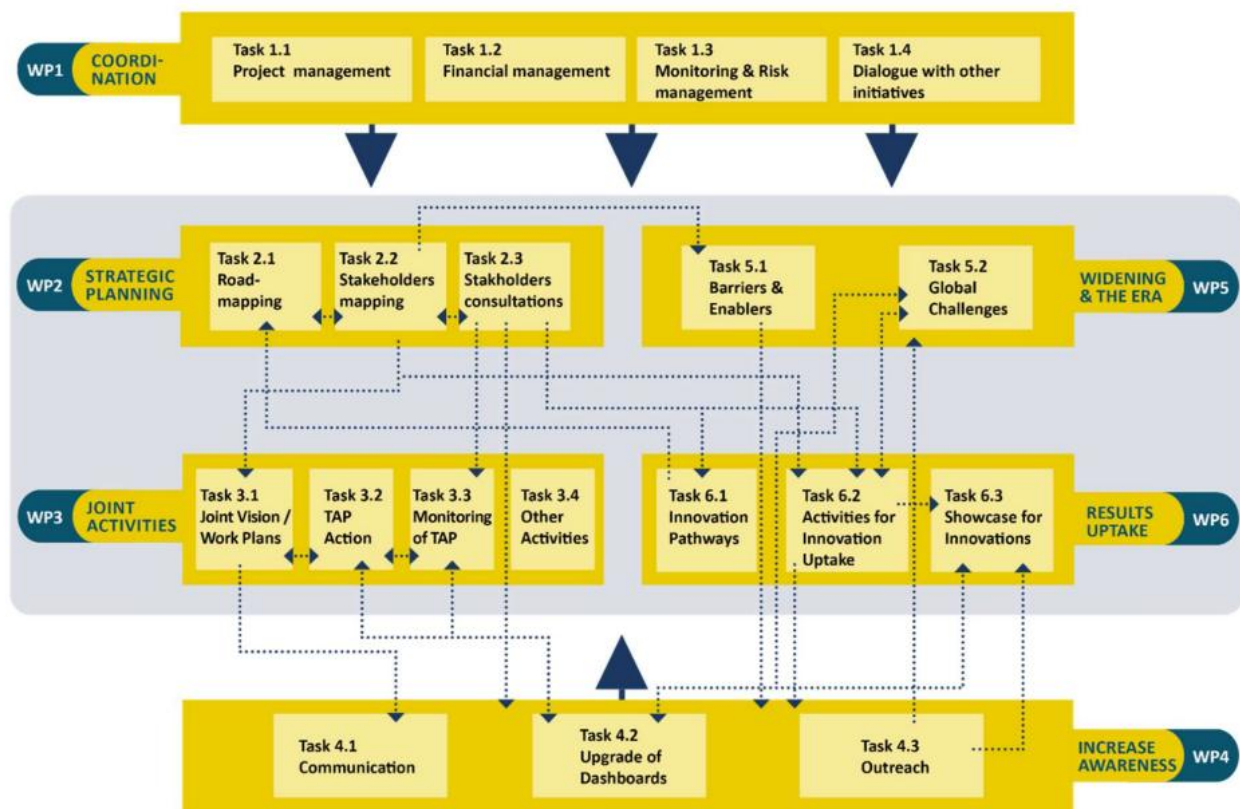


Figure 1. SD-WISHEES WPs, related Tasks and links between them, as identified in the proposal submitted in April 2022.

2. DESCRIPTION OF WP4 ACTIVITIES

As anticipated in the previous section, the final goal of **Work Package 4 (WP4)** is to increase awareness of decision makers, Policy makers and the civil society through communication, dissemination and outreach actions. Lead by GSES, this WP focuses on increasing awareness about the impacts of hydrological extreme events, with a particular emphasis on cultural heritage among decision-makers, policymakers, and civil society through communication, dissemination, and outreach efforts. Furthermore, WP4 ensures an extended visibility of SD-WISHEES. It aims to share tools and knowledge to involve more countries and stakeholders in addressing hydroclimatic challenges.

WP4 acts as a communication hub for SD-WISHEES, ensuring that the project's insights reach a wide audience, including national agencies, policymakers, and the public. It integrates activities and results from other work packages, amplifying their impact through strategic communication. WP4's efforts are fundamental to achieving the broader goals of inclusivity and awareness across regions affected by hydroclimatic challenges, making it a pivotal part of the Coordination and Support Action (CSA) of the project.

2.1 Specific Objectives:

Briefly, the specific objectives and the main activities included in this WP are:

- Developing a robust plan for communication, dissemination, and exploitation using diverse tools and platforms for effective outreach.
- Creating communication tools and materials to share the project's findings and activities.
- Facilitating dissemination of the roadmap and TAP Action results to engage additional countries in transnational initiatives.
- Designing a communication strategy incorporating KPIs and insights from related work packages.

2.2 Tasks

4.1 Communication, dissemination and exploitation plan including tools and materials

This task has its focus on the preparation of a concrete communication, dissemination and exploitation plan, based on the experience of initiatives such as the Water JPI, JPI Climate, PRIMA, and Data for Good. The main Tools Developed are: Project website and Web pages, Social media channels and dashboards.

4.2 Optimization and upgrade of existing dashboards as the strategy to raise awareness

This task is lead by GSES and has it focus on the dashboards. In fact, this task concentrates on refining and adapting the existing DfG [dashboards](#) to effectively monitor progress toward achieving SDG targets across various regions and among diverse stakeholders. These dashboards, already utilized by corporations to track SDG-related initiatives and by governmental agencies to display their climate

commitments, gather three primary groups: civil society, NGOs and private sector organizations, and policymakers.

The platform also offers interconnected regional dashboards linked to an interactive map, ensuring accessibility and promoting inclusivity. These features allow the dashboards to connect projects based on shared regions or SDG goals, enhancing collaboration and data transparency.

Given their established use by stakeholders, integrating SD-WISHEES project impacts into the platform has been seamless. The adjustments specifically addressed the requirements of Work Packages 3, 5, and 6, ensuring that the dashboards effectively showcased their outcomes.

Therefore, starting from this Task, the discussion on the dashboard tool began, with a deeper reflection within this document.

Within the task 4.2, this deliverable **D4.3 Best practices – “Measuring the impact of SD-WISHEES project through the dashboards”** is developed having as a main focus the impact of the SD-WISHEES project measured within the dashboards through the selected KPIs for the different WPs. In fact, the dashboards help the tracking of the achievement of the goals (KPIs, SDGs contributions etc.) simplifying the communication and visualization of the results.

This Deliverable was originally entitled ‘Best practices for communication and dissemination’ and was scheduled for month 18. Through an amendment, it was postponed to month 24 and its name was changed to ‘Measuring the impact of the SD-WISHEES project through dashboards’. The amendment was requested because the additional time could be invaluable for testing the utilization of the dashboards within the SD-WISHEES project. Additionally, KPI monitoring was also scheduled for M24. The information gathered has directly contributed to the dashboards, enhancing their ability to provide user-friendly visualization of the project's achievements.

The analysed dashboards can be found in the platform provided by GSES. Through this platform, it is possible to monitor which SDGs the KPIs, defined in Deliverable 1.2 Monitoring, relate to or refer to. Through this document, we will analyse the dashboards created by each WP and the related KPIs being monitored. Thanks to this tool is possible to understand in a simple and immediate way the progress achieved by each WP in reaching the targets set for each KPIs.

Subsequently, the benefits of using dashboards and some recommendations will be analysed.

Before entering into detail of the functioning of the dashboards, it is worth focusing on the KPIs that have been selected for the monitoring of the SD-WISHEES project (Deliverable 1.2 – Monitoring). This activity is detailed in the next section.

4.3 Outreach towards the stakeholders from researchers to policymakers & civil society

This task has the aim to engage stakeholders through workshops, networking, and policy briefs, aimed at water management and climate adaptation.

3. DEFINITION OF KPIS AND MONITORING

KPIs (Table 1) key performance indicators were developed (Deliverable D1.2 Monitoring – July 2023¹) to monitor the progress of the SD-WISHEES project. Each of the 6 WPs into which the project is divided refers to KPIs that are to be monitored and achieved. The **Human Rights Based Approach** (HRBA, see Annex A) is also considered and used to guide the quality assessment of KPIs in terms of human rights principles, that is, universality, indivisibility, equality and non-discrimination, participation, accountability, and data transparency.

The KPIs are monitored visually using the dashboard tool, which we will discuss in the next section. The assessment of KPIs, foreseen by December 2024 (Deliverable 1.3) will provide progresses towards the projects objectives that will be presented at Consortium meetings.

¹ An update of the D1.2 is foreseen with the D1.3 “Monitoring Reports” due by December 2024, led by ISPRA

D4.3 - Measuring the impact of SD-WISHEES through the dashboards

KPI NAME (WP NUMBER AND SHORT DESCRIPTION)	UNIT OF MEASUREMENT	TARGET 06/2025	HRBA GOALS* 06/2025	TARGET 12/2026	HRBA GOALS* 12/2026
WP1.1 Coordination of overall Consortium activities	% deliverables/reports completed, and milestones reached on time with any extensions agreed in advance	100%	NA	100%	NA
WP1.2 Liaison with other JPIs, Horizon Europe Partnerships, international R&I initiatives, Horizon Europe Missions, and organizations working in the field of cultural heritage protection	# joint meetings and workshops	3	Discussion will be focussed on widening	6	Discussion will be focussed on widening
WP1.3 Agreement on joint activities or actions with other JPIs, Horizon Europe Partnerships, international R&I initiatives, Horizon Europe Missions, and organizations working in the field of hydrological extreme events and protection of cultural heritage	# Documents or agreements signed between SD-WISHEES and other initiatives	2	Goals here are to find ways to be more inclusive in approach, and the documents should clearly cover the topic of widening.	4	Goals here are to find ways to be more inclusive in approach, and the documents should clearly cover the topic of widening.
WP2.1 Number of countries from which research and	# countries	20	At least 30% from widening countries	20	At least 30% from widening countries

D4.3 - Measuring the impact of SD-WISHEES through the dashboards

KPI NAME (WP NUMBER AND SHORT DESCRIPTION)	UNIT OF MEASUREMENT	TARGET 06/2025	HRBA GOALS* 06/2025	TARGET 12/2026	HRBA GOALS* 12/2026
innovation environments have been analysed.					
WP 2.2 Number of stakeholders identified. This KPI will help gauge the inclusivity and reach of the project's stakeholder.	# stakeholders identified	100	30% from widening countries	100	30% from widening countries
WP 2.3 Number of stakeholders engaged. This KPI will measure the actual engagement of stakeholders in the project process. It will indicate the level of active participation and collaboration achieved with the identified stakeholders.	# stakeholders engaged in active participation	30	10 give feedback on draft document	30	10 give feedback on draft document
WP3.1 Participation of National Research Agencies in the TAP (networking activities)	# research agencies	At least 3	At least 1 from widening countries	At least 5	At least 2 from widening countries
WP3.2 Number of additional joint activities, other than the TAP (e.g., training)	# additional joint activities (in addition to the TAP)	At least 1	Participation from at least 2 widening countries	At least 2 more joint activities	Participation from at least 5 widening countries

D4.3 - Measuring the impact of SD-WISHEES through the dashboards

KPI NAME (WP NUMBER AND SHORT DESCRIPTION)	UNIT OF MEASUREMENT	TARGET 06/2025	HRBA GOALS* 06/2025	TARGET 12/2026	HRBA GOALS* 12/2026
WP3.3 Influence of SD-WISHEES on the definition of the strategic orientations of European initiatives e.g., Water4All, upcoming Partnership on Climate, JPI Cultural Heritage, Prima, Biodiversity Partnership	# recommendations made by SD-WISHEES integrated in the strategic documents of other initiatives	NA – too early	NA	3 references in the strategic documents of other initiatives, e.g., strategic agendas, implementation plans, call for proposals	Key words to include the HRBA
WP4.1 Number of participants' registration to webinars, workshops, tap actions meetings... all external meetings initiated by. SD-WISHEES will have the registration process through Data for Good (DfG)'s dashboard to track the stakeholder outreach.	Ratio in percentage	50%	No targets but visualizing the results on the participants gender, background, age.	90%	No targets but visualizing the results on the participants gender, background, age. Plus, reporting on the improvement of SD-WISHEES widening approach and achievement.
WP4.2 Support for progress tracking using the dashboards by the entire consortium of SD-WISHEES. At least 1 update per quarter, starting	1 update / quarter / WP	70%	1 update / quarter / WP	80%	NA

D4.3 - Measuring the impact of SD-WISHEES through the dashboards

KPI NAME (WP NUMBER AND SHORT DESCRIPTION)	UNIT OF MEASUREMENT	TARGET 06/2025	HRBA GOALS* 06/2025	TARGET 12/2026	HRBA GOALS* 12/2026
from M15, is strongly advised for all WPs participants (not only WP leaders...)					
WP4.3 Visibility performance on all communication platforms (SD-WISHEES website, SD-WISHEES alliance dashboard page on DfG, LinkedIn and Twitter channels).	For 2025 report: Increase in visibility between Year 2 and Year 3 For 2026 report: Progress in percentage of visibility between Year 3 and Year 4	100 followers on LinkedIn plus 100 followers on Twitter and 100 visitors to website	On LinkedIn we can track the background of the visitors, could have the following geographical target: 5% from Balkan Institutions 5% from African Institutions 10% from EU institutions	100%	On LinkedIn: 30% from widening countries (Balkans and Africa) and 30% from European countries (Not possible to track on other media)
WP4.4 Feedback; enable SD-WISHEES to incorporate feedback from all attending stakeholders (meetings, workshops, TAP actions...) using multiple-choice questionnaires to be submitted after each external meeting.	Feedback rate as well as a representation of the overall feedback based on a representation of the multiple-choice answers provided by the respondents.	10%	No targets but visualizing the results on the participants gender, background, age.	20%	No targets but visualizing the results on the participants gender, background, age. Plus, reporting on the improvement of SD-WISHEES widening approach and achievement.

D4.3 - Measuring the impact of SD-WISHEES through the dashboards

KPI NAME (WP NUMBER AND SHORT DESCRIPTION)	UNIT OF MEASUREMENT	TARGET 06/2025	HRBA GOALS* 06/2025	TARGET 12/2026	HRBA GOALS* 12/2026
WP5.1 Number of feedbacks from questionnaires with respect to number of questionnaires circulated	Ratio in percentage	10%	30% from widening country Institutions 30% from EU institutions	20%	30% from widening country Institutions 30% from EU institutions
WP5.2 Number of attendees at “Best practices” seminar in M46	# attendees	NA	NA	30	30% from widening countries 40% from vulnerable and/or marginalized representing groups, including gender equality and youth (under 35 years old) 20% from Academia
WP6.1 Innovation pathways identified and analysed	# innovation pathways	NA	NA	9 total	3 per uptake dimension: Market; Regulator; Societal
WP6.2 Key enablers and barriers considered in the context of enhancing R&I uptake	# key enablers and barriers considered	NA	NA	20	Explored in terms of their impact and significance in Europe and roles in enhancing or preventing uptake within associated and widening countries

D4.3 - Measuring the impact of SD-WISHEES through the dashboards

KPI NAME (WP NUMBER AND SHORT DESCRIPTION)	UNIT OF MEASUREMENT	TARGET 06/2025	HRBA GOALS* 06/2025	TARGET 12/2026	HRBA GOALS* 12/2026
WP6.3 Stakeholder engagement throughout interviews, workshops, follow-up discussions and showcasing events	# innovation pathway end users	NA	NA	15	One third from each of 3 uptake dimensions
	# intermediary actors/mediators	NA	NA	30	30% from widening countries 40% from vulnerable and/or marginalized representing groups, including gender equality and youth (under 35 years old)

Table 1. Identification of KPIs and targets per WP and HRBA goals. Table in Deliverable D5.1 Monitoring

From Table 1, it can be seen that each WP has to monitor and achieve about 3 KPIs. Each WP must take into account the unit of measurement, which can be in percentages or in simple numerical units. Furthermore, a target has to be reached by a certain date.

It is very important for prevent deviations from achieving project goals, for this purpose a **Risk Management Plan** has been developed. This plan contains procedures to anticipate, control and handle potential risks for the achievement of project goals.

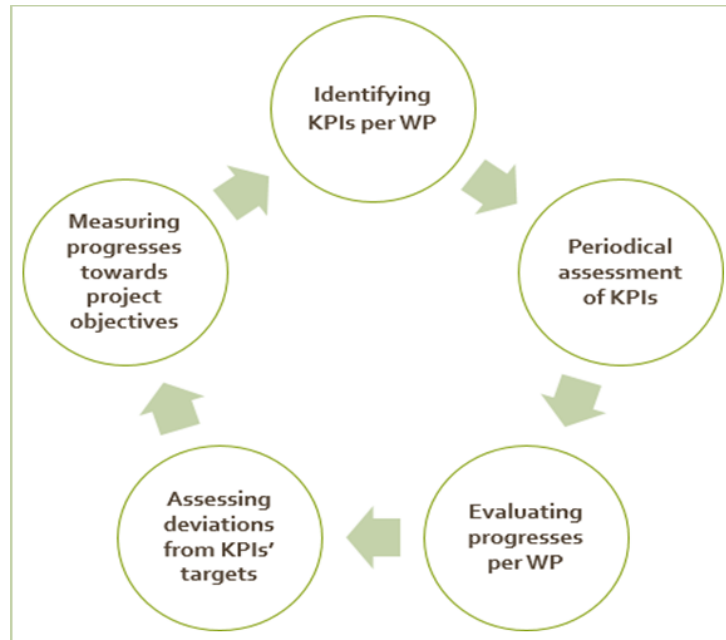


Figure 2. SD-WISHEES schema for the identification and the assessment of KPIs.

4. DASHBOARD DESCRIPTION

On the basis of the above description, it is now easier to understand that, within SD-WISHESS, the first aim of the dashboards utilizations is to measure the progress of each work packages (WPs) to extract clear information on the impact of SD-WISHEES, with a clearly identified link to the Sustainable Development Goals (SDGs). Through the Key Performance Indicators, the dashboards allow to track and trace the project's progress in a visual and easy way.

It is important to emphasise that through the use of dashboards, each WPs can also see where the other WPs are in achieving their KPIs, therefore a holistic view on the project's progress.

As the dashboards are publicly accessible for viewers, a digital link to access the dashboards has been added on SD-WISHEES website. All users who have access to the dashboards can decide whether to put the dashboards on public mode or on private mode. Most of the SD-WISHEES dashboards are on public mode so that the entire consortium and all stakeholders who wish to view the progress can do so.

The SDG dashboards of GSES have been optimized and tailored for the needs for SD-WISHEES within the project's scope². A detailed description of the dashboards' usage is provided below.

² **Data for Good (DfG)** platform developed by GSES offers organizations a project-focused approach to track and verify impact on the project level. In addition:

- Data for Good (DfG) is committed to enabling impact mapping and verification of projects and acts as a bridge between private and public/governmental organizations while promoting multi-stakeholder engagement and transparent impact display;
- Project owners create project dashboards where they have the autonomy to set their own KPIs and track the progress of their ambitions.

D4.3 - Measuring the impact of SD-WISHEES through the dashboards

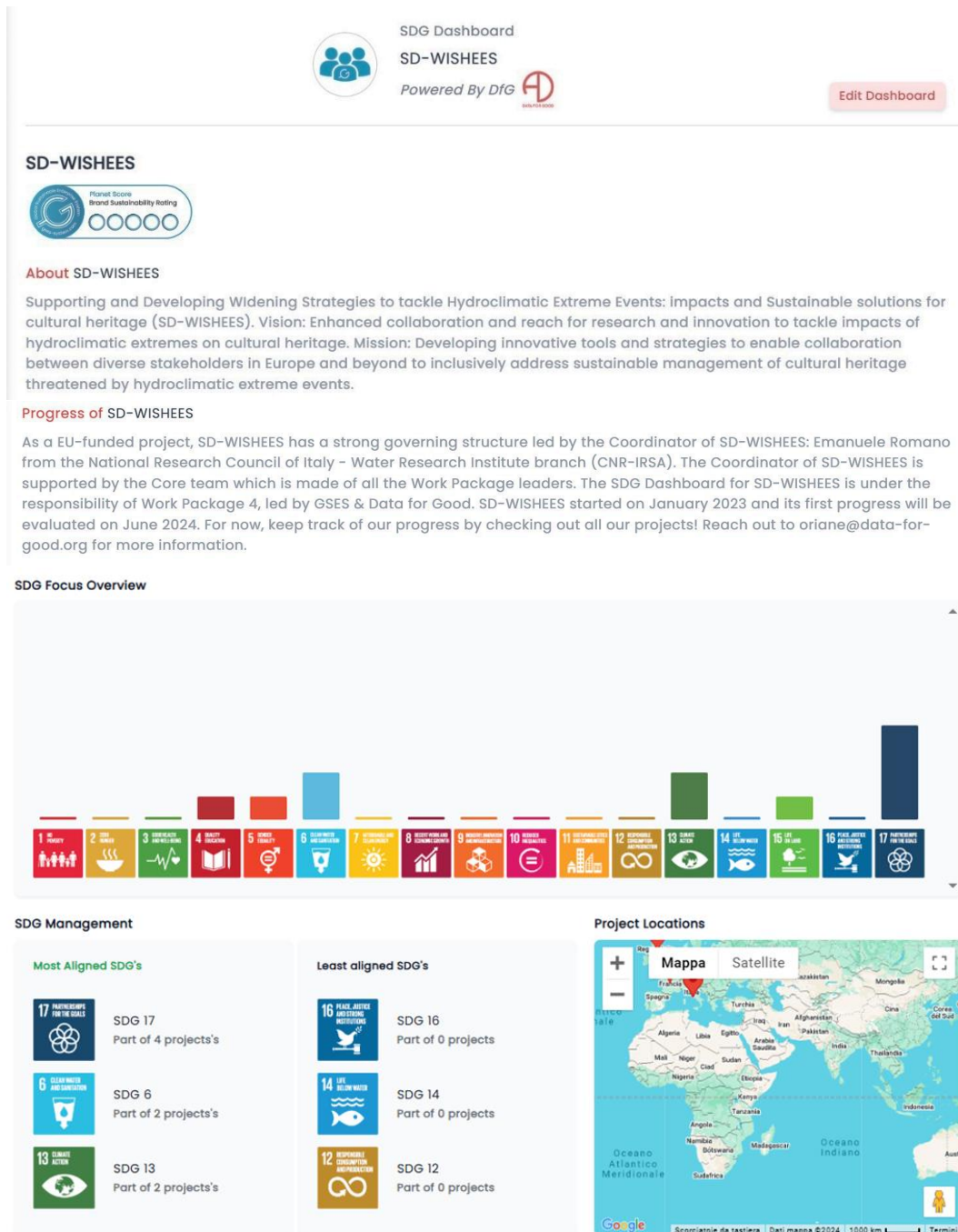


Figure 3. SDGs Dashboard, SD-WISHEES (Data for Good)

The SDGs are highlighted in the image above. About the SDGs, the platform provided by GSES makes it possible to visualize to which SDGs the monitored KPIs (Table D1.2) are linked. We can see from the image above (Figure 3) where it says "Most aligned SDGs" for example Goal 17 (*Partnership for the goals*) is contained in 4 projects (DBs). In fact, in the graph, goal 17 has the highest column.

5. DESCRIPTION OF THE USE OF DASHBOARDS BY WPs (visual information)

As explained above, SD-WISHEES project partners have the possibility to create dashboards related to their WP and the KPI to be monitored thanks to the platform provided by GSES.

In the next Figure 4 'My project' a preview of the dashboards created for each of the 6 WPs is shown.

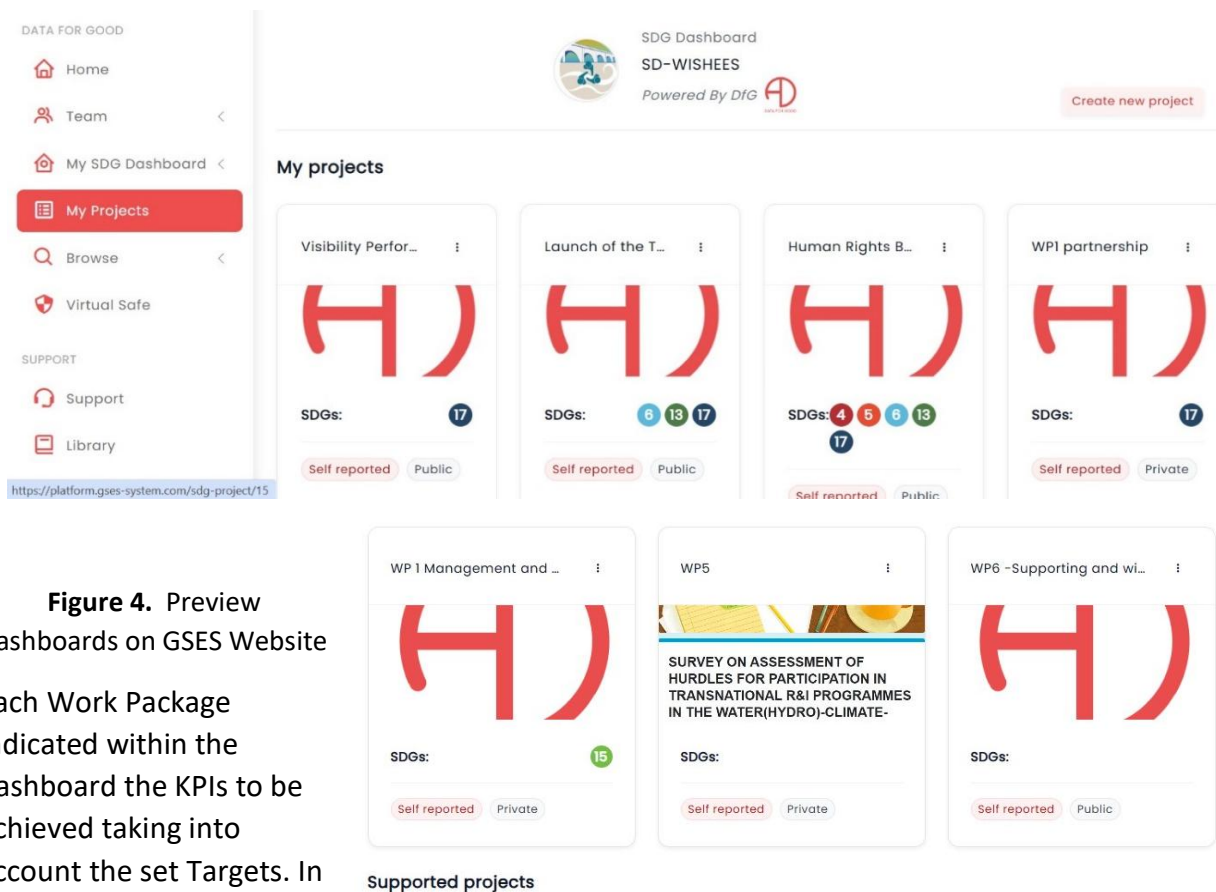


Figure 4. Preview dashboards on GSES Website

Each Work Package indicated within the dashboard the KPIs to be achieved taking into account the set Targets. In addition, it was possible to indicate which SDG and Sub-SDG the KPI is linked to and refers to.

The 6 WPs monitor different **KPIs**. In the next pages we show visually how they were taken into account for the development of each dashboard.

5.1 WP1 Management and Coordination

WP1 monitors 3 **KPIs** (Table 1):

- **WP1.1** Coordination of overall Consortium activities;
- **WP1.2** Liaison with other JPIs, Horizon Europe Partnerships, international R&I initiatives, Horizon Europe Missions, and organizations working in the field of cultural heritage protection;
- **WP1.3** Agreement on joint activities or actions with other JPIs, Horizon Europe Partnerships, international R&I initiatives, Horizon Europe Missions, and organizations working in the field of hydrological extreme events and protection of cultural heritage;

WP1 created its first dashboard called '**WP1 Management and Coordination (Figure 5)**' which monitors the progress of the **KPI 'WP1.1 Coordination of overall Consortium activities'**. The unit of measurement refers to the % of completed deliverables/reports and milestones achieved on time with any extensions agreed in advance.

In the dashboard there is a bar called '**overall Project Progress**' which visually indicates the percentage of achievement of the monitored KPIs, in this case one, providing very clear information in relation to its progress.

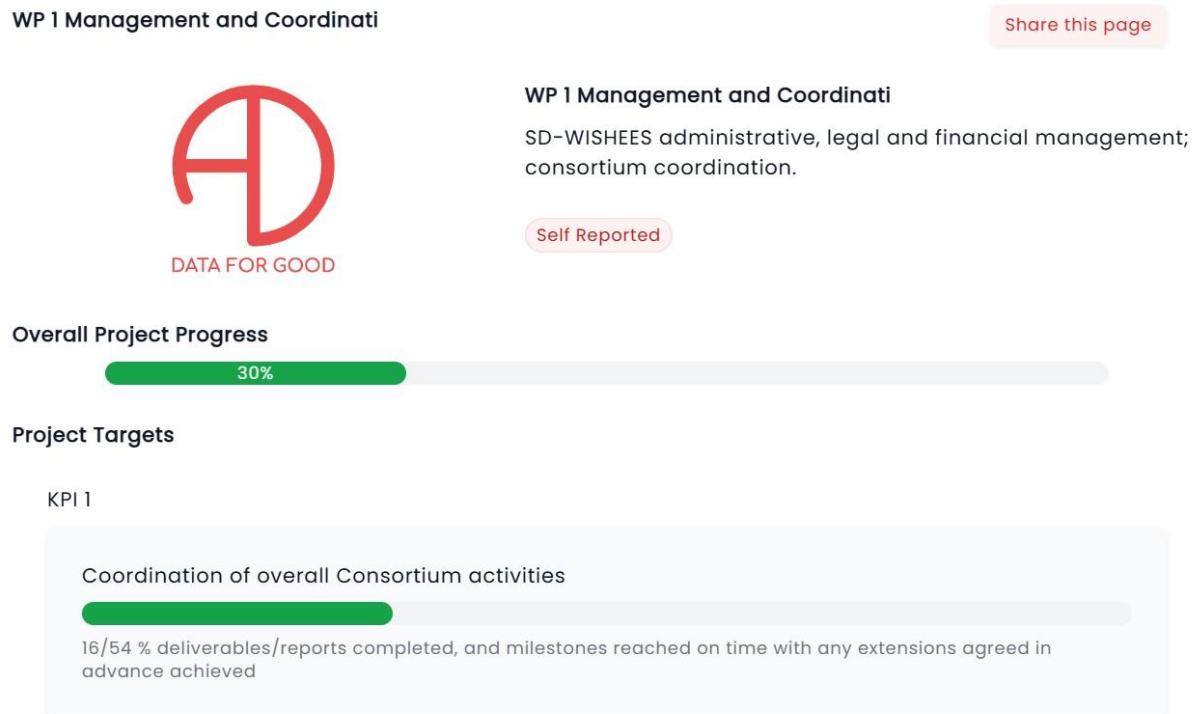


Figure 5. Dashboard - WP1 Management and coordination (WP1.1)

a. Analysis of the dashboard Management and coordination (WP1.1)

The above dashboard (Figure 5) analysis shows that KPI 1 has not yet been achieved.

Furthermore, WP1 created another one dashboard entitled "**WP1 Partnership** (Figure 6)". This dashboard monitors KPI "**WP1.2 Liaison with other JPIs, Horizon Europe Partnerships, international R&I initiatives, Horizon**".

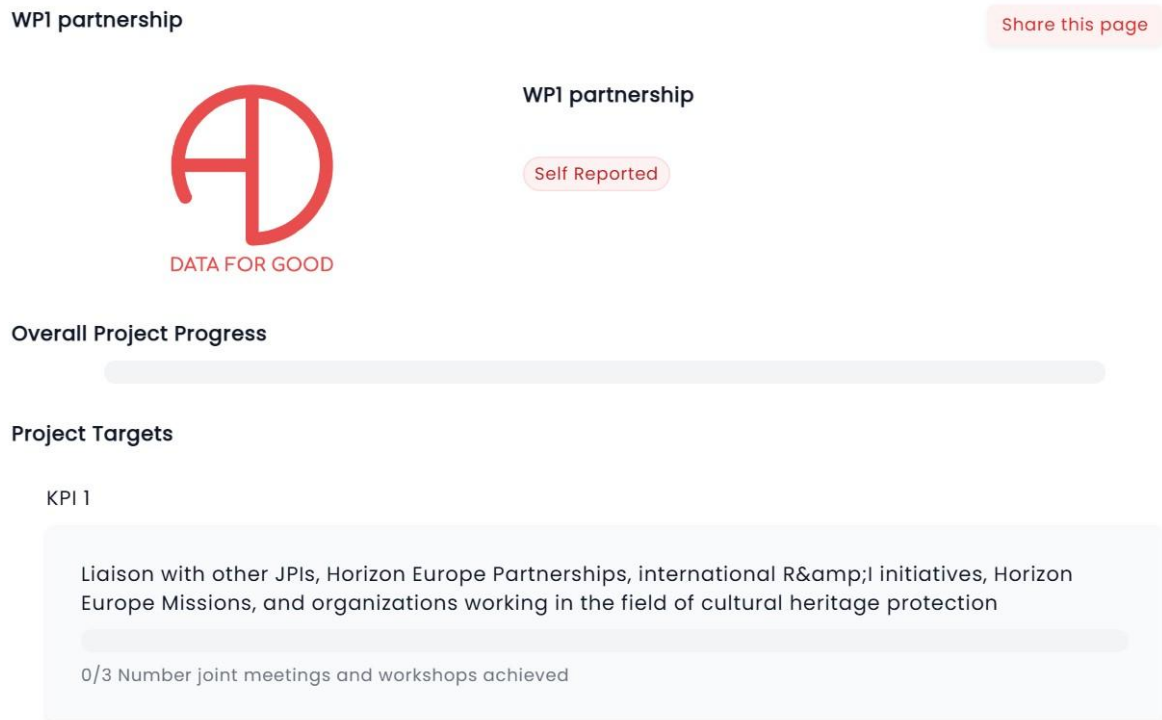


Figure 6. Dashboard - WP1 Partnership (WP1.2)

b. Analysis of the dashboard WP1 Partnership (WP1.2)

The above dashboard (Figure 6) analysis shows that the liaison is still to be started.

5.2 WP2 Strategic planning of activities

WP2 monitors 3 KPIs (Table 1):

- **WP2.1** Number of countries from which research and innovation environments have been analysed;
- **WP 2.2** Number of stakeholders identified. This KPI will help gauge the inclusivity and reach of the project's stakeholder;
- **WP 2.3** Number of stakeholders engaged. This KPI will measure the actual engagement of stakeholders in the project process. It will indicate the level of active participation and collaboration achieved with the identified stakeholders.

Unfortunately, at the moment of the realization of this deliverable, no dashboard for this WP has been created.

5.3 WP3 Implementation and monitoring of joint activities – TAP action

WP3 monitors 3 KPIs (Table 1):

- **WP3.1** Participation of National Research Agencies in the TAP (networking activities)
- **WP3.2** Number of additional joint activities, other than the TAP (e.g., training)
- **WP3.3** Influence of SD-WISHEES on the definition of the strategic orientations of European initiatives e.g., Water4All, upcoming Partnership on Climate, JPI Cultural Heritage, Prima, Biodiversity Partnership

WP3 created a dashboard entitled “**Launch of the TAP Action**” (Figure 7). This dashboard monitors This dashboard monitors the following KPIs: **KPI 1** (Figure 7) refers to WP3.1

- **KPI 2** (Figure 7) refers to WP3.3
- **KPI 3** (Figure 7) refers to WP3.2

Launch of the TAP Action

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Launch of the TAP Action

This project aims at launching the Thematic Annual Programming (TAP) Actions under Work Package 3 of SD-WISHEES.

Self Reported

Overall Project Progress

38%

Project Targets

KPI 1

For the first stage of the launch of the TAP Action the target is set on 5 funding agencies to join the TAP Action program. The first stage is meant to end in 2024.

3/5 Funding Agencies achieved

KPI 2

Draft a Strategic document outlining the structural process of launching a TAP action.

1/1 Strategic Document achieved

KPI 3

Reach out to funding agencies for their participation to the TAP Action. The communication action can be under the form of meetings, webinars, information session...

2/10 Communication Action achieved

Figure 7. Dashboard – WP3 Launch of the TAP Action (WP3.1; WP3.2; WP3.3)

a. Analysis of the dashboard WP3 Launch of the TAP Action (WP3.1; WP3.2; WP3.3)

The above dashboard (Figure 7) analyses KPI 1 (WP3.1) which has not yet been achieved. KPI 2 (WP3.3) has been achieved. Lastly, KPI 3 (WP3.2) has not yet been reached.

5.4 WP4 Increase Awareness of Decisionmakers, Policymakers and the civil society through communication, dissemination and outreach actions

WP4 monitors 4 KPIs (Table 1):

- **WP4.1** Number of participants' registration to webinars, workshops, tap actions meetings... all external meetings initiated by SD-WISHEES will have the registration process through Data for Good (DfG)'s dashboard to track the stakeholder outreach
- **WP4.2** Support for progress tracking using the dashboards by the entire consortium of SD-WISHEES. At least 1 update per quarter, starting from M15, is strongly advised for all WPs participants (not only WP leaders...)
- **WP4.3** Visibility performance on all communication platforms (SD-WISHEES website, SD-WISHEES alliance dashboard page on DfG, LinkedIn and Twitter channels).
- **WP4.4** Feedback; enable SD-WISHEES to incorporate feedback from all attending stakeholders (meetings, workshops, TAP actions...) using multiple-choice questionnaires to be

WP4 created its dashboard entitled “**Visibility Performance (WP4)**” (Figure 8) which monitors the progress of 3 KPIs RELATED TO **WP4.3**

Visibility Performance (WP4)

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Visibility Performance (WP4)

This project aims at mapping the outreach impact of SD-WISHEES

Self Reported

Overall Project Progress

98%

Project Targets

KPI 1

This KPI is tracking the number of followers for the SDWISHEES LinkedIn page

193/100 Followers achieved

KPI 2

This KPI is tracking the number of followers for the SDWISHEES X account (previously called Twitter)

30/100 Followers achieved

KPI 3

Number of visitors on the SD-WISHEES website, excluding partnering organisations from SDWISHEES

72/100 Visitors achieved

Figure 8. Dashboard – Visibility Performance WP4 (WP4.3)

a. Analysis of the dashboard WP4 Visibility Performance WP4 (WP4.3)

The above dashboard (Figure 8) analyses KPI 1 (WP4.3) which was more than achieved. KPI 2 (WP4.3) has been achieved. Lastly, KPI 3 (WP4.3) has not yet been reached.

In addition, WP4 created an additional dashboard to monitor through KPI 1 (Figure 9) the **Human Rights Based Approach (HRBA)**.

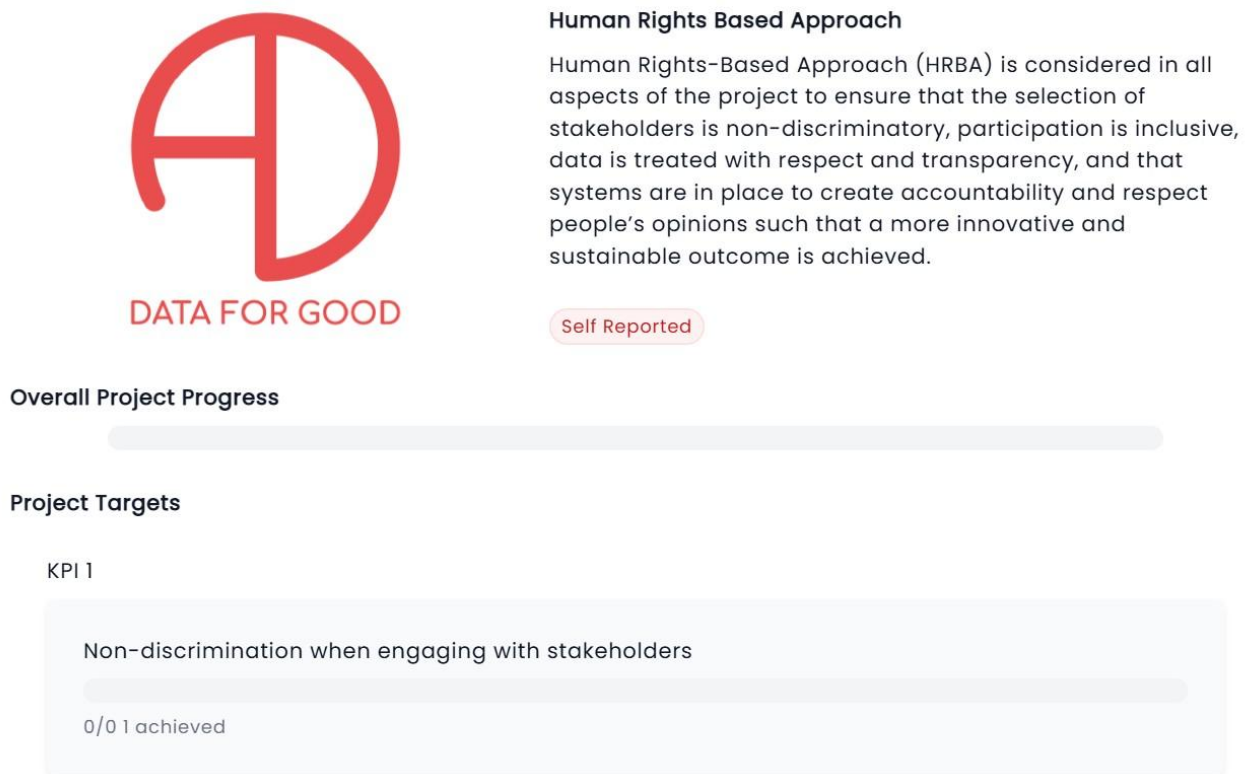


Figure 9. Dashboard - Human Rights Based Approach (HRBA)

a. Analysis of the dashboard WP4 Human Rights Based Approach (HRBA)

The above dashboard (Figure 9) analyses KPI 1 has not yet been reached.

5.5 WP5 Strengthening the ERA with widening actions: understanding the impacts on global challenges, SDGs and European policies

WP5 monitors 2 KPIs (Table 1):

- **WP5.1** Number of feedbacks from questionnaires with respect to number of questionnaires circulated
- **WP5.2** Number of attendees at “Best practices” seminar in M46

KIPs in the dashboard, entitled **WP5** (Figure 9), refers to:

KIP 1 refers to WP5.1;

KIP 2 refers to WP5.2

WP5

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SURVEY ON ASSESSMENT OF HURDLES FOR PARTICIPATION IN TRANSNATIONAL R&I PROGRAMMES IN THE WATER(HYDRO)-CLIMATE-CULTURAL HERITAGE NEXUS

WP5

WP5 is planned to support and develop widening and alignment R&I strategies in terms of identification of best available solutions/best practices for cultural heritage adaptation in response to hydroclimatic extreme events with the support of relevant stakeholders and researchers. KPIs: - WP5.1 Number of feedbacks from questionnaire with respect to number of questionnaires circulated. Target is fixed at 10%. - WP5.2 Number of attendees at "Best practices" seminar in M46.

Self Reported

Overall Project Progress

8%

Project Targets

KPI 1

WP5.1

17/208 Number of feedbacks from questionnaire with respect to number of questionnaires circulated. achieved

KPI 2

WP5.2

0/0 Number of attendees at "Best practices" seminar in M46 achieved

Figure 10. Dashboard – WP5 (WP5.1; WP5.2)

a. Analysis of the dashboard WP5

The above dashboard (Figure 10) analyses KPI 1 (WP5.1) has not yet been reached. KPI 2 (WP5.2) monitoring has not yet started.

5.6 WP6 Supporting and Widening the Market, Regulatory and Societal Uptake of R&I results.

WP6 monitors 3 KIPs:

- **WP6.1** Innovation pathways identified and analysed;
- **WP6.2** Key enablers and barriers considered in the context of enhancing R&I uptake;
- **WP6.3** Stakeholder engagement throughout interviews, workshops, follow-up discussions and showcasing events;

KIPs in the dashboard, entitled **WP6 – Supporting and widening** (Figure 9), is structured in this way:

- **KPI 1** refers to WP6.2;
- **KPI 2** refers to WP6.3;
- **KPI 3** refers to WP6.1

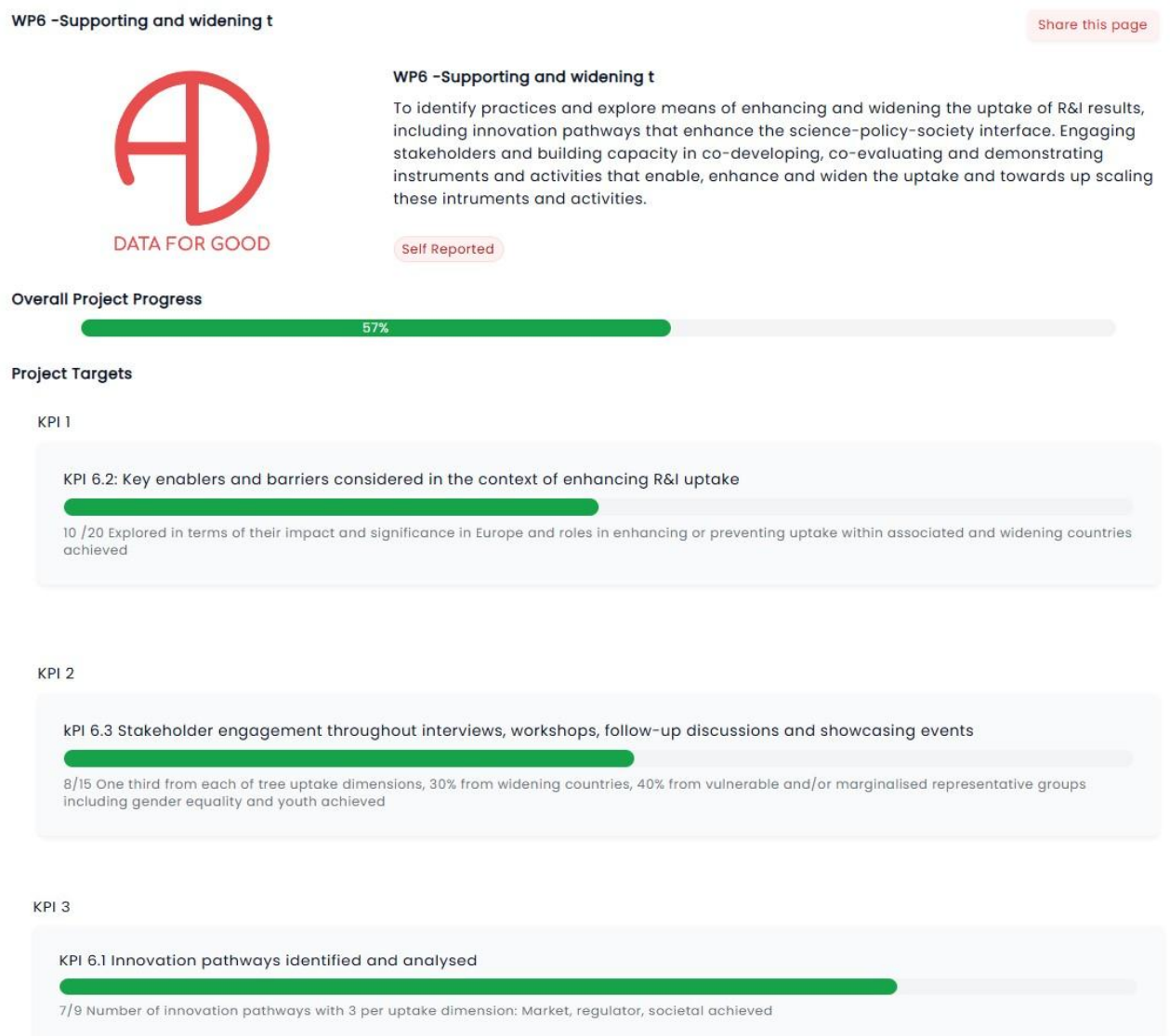


Figure 11. WP6 Supporting and widening (WP6.1; WP6.2; WP6.3)

a. Analysis of the dashboard WP6

The above dashboard (Figure 11) analyses KPI 1 (WP6.2) has not yet been reached. KPI 2 (WP6.3) has not yet been reached. Lastly, KPI 3 (WP6.1) has not yet been reached.

6. CONCLUSIONS

This document was developed with the purpose of better understanding what dashboards are, what they are used for, and how they are created. Above all, it has been clearly and visually highlighted what each different Work Package is monitoring. On the basis of the above analysis, it is now possible to outline the main advantages found from their use.

6.1 The main advantages of the dashboards

A review of the main benefits can be summarised as follows:

- The dashboards are a powerful internal monitoring tool. The Data for Good Dashboard has been designed with the objective of facilitating the tracking of the progress of each WP in a simple and intuitive manner.
- The dashboards allow everyone to have an up-to-date view of the KPIs monitored and to be achieved by each WP. KPIs are currently under review (D1.3 Monitoring reports), thus the dashboard will be updated based on the "new" KPIs (if any).
- It is possible to understand and measure the progress made by the SD-WISHEES project through the achievement of the target set for each different WP.
- The “Overall Project Progress” bar provides an immediate and visual indication of the progress of the KPIs monitored by each WP.
- It is possible to indicate the Sustainable Development Goals (SDGs) to which the KPIs are linked to, and this allows users to measure their progress and quantify their contribution to the SDGs.

With respect to what has just been listed, we can safely say that there are numerous **advantages** of using the dashboards.

However, in this document, it is also useful to include **recommendations** to be followed in order to make the use of the dashboard tool more efficient.

6.2 Recommendations and technical requests

Based on the experience of the SD-WISHEES partners, a few recommendations can be considered. They are listed below and categorized as either recommendations and technical requests.

Recommendations:

- A -guidelines should be followed on how and when to create the dashboard.
- cases, for the viewer and only seen by the user Each WP should pay more attention to updating the data regularly, so that it is possible to see the progress made step by step.
- It would be useful to set clear a timeline with specific deadlines for inserting the data, updating it and monitoring it. In fact, by entering the data all at once, it is not possible to be aware of the actual time it took to reach the KPIs.

- There should be a more appropriate link between the monitored KPIs and the SDGs. In some cases, the reference is not clear enough. We suggest developing a parameter/indicator for this specific purpose.

Technical requests:

- It might be useful to improve the technical aspect of data entry within the dashboard.
- It should be explored the possibility of displaying in the final layout of the dashboards all data entered by each WP in the initial compilation mask.
- The list of milestones and their achievements should be made available for everyone. At the moment it is possible to insert the milestones when creating the dashboard but this information does not appear in the final layout, which makes the information somewhat useless for the viewer and only seen by the user.

6.3 Final considerations

This document provides an in-depth analysis of the use of dashboards within the project, explaining and illustrating how they serve as an effective monitoring tool to enhance collaboration among partners across the different Work Packages.

In fact, dashboards established themselves as a visual communication tool showing the progress of the SD-WISHEES Project and supporting the achievement of its objectives. Importantly, the dashboard constitutes an effective and functional tool to monitor the progress of the objectives over time in a manner that is both visual and accessible.

In conclusion, the ambition of this document is to make easily and visually understand the progress achieved so far within the project, but also to show how the dashboards can be used in an increasingly user-friendly and efficient way.



SD-WISHEES

Tackle Hydroclimatic Extreme
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