



TransformAr

TransformAr newsletter
MAY 2023 / Issue 2



Looking back and looking ahead

Time flies. We will soon gather for our fourth consortium meeting (CM4). Those attending in person will meet in Santiago de Compostela, Spain, between 10-12 May 2023. The meeting, hosted by FEUGA and CETMAR, will be a chance to evaluate our efforts, further plan the way ahead, and forge cooperations. We will also have the chance to visit our Galician demonstrator, and learn more of how shellfish and mussel production can become more resilient. This newsletter provides an overview of progress and near-future challenges since our last meeting in Guadeloupe. A summary is provided below.

THIS ISSUE

LOOKING BACK AND LOOKING AHEAD

Project coordinator Jan Cools looks back on the past months of TransformAr and those ahead.

CONSORTIUM MEETINGS

TransformAr met for its third consortium meeting in Guadeloupe hosted by ADEME, and we are looking forward to our fourth in Santiago de Compostela with FEUGA and CETMAR.

WELCOMING NEW COLLEAGUES

Introductions are in order for our new colleagues at Epsilon, NTNU, PIK, the University of Antwerp and Verhaert.


REPRESENTING TRANSFORMAR

The TransformAr team has had the chance to present its work at several international conferences. Collaboration with our sibling projects is also running smoothly.

1. First periodic reporting to the European Commission

Month 18 of TransformAr passed on 31/3/2023. This means that the first periodic report is due 2 months later, on 31/5/2023. We need to validate, compile and improve. Most of us have begun the reporting, but it is far from complete. We asked to provide all your input by CM4. So, a reminder to provide all by **5/5/2023**.

Our progress on monitoring so far

Progress monitoring of RP1  Updated on 05/05/2023, by EQY

Partner	Financial statement (deadline 28/04)	Technical report - Part A (deadline 18/04)	Technical report - Part B (deadline 18/04)
UA	Ready to be submitted by 10/05	Completed	
CMCC	Missing, 2nd reminder sent on 03/05	Missing, 2nd reminder sent on 03/05	
ACTERRA	Comments sent for revision by 04/05, should be updated by 10/05	Completed except SME data, should be updated by 05/05	
E3M	Comments sent for revision by 05/05	Missing, reminder sent on 03/05	
PIK	submission	Completed	
VERHAERT	Comments sent for revision by 10/05, possibility to discuss in Galicia during the support corner	Completed	Missing, to be updated on 21/04
FEUGA	Missing, 2nd reminder sent on 03/05	Completed	
NCSR	Ready to be submitted by 10/05	Completed	
CZU	Comments sent for revision by 10/05, possibility to discuss in Galicia during the support corner	Completed	
LUT	to discuss in Galicia during the support corner	Completed	
NTNU	Missing, 2nd reminder sent on 03/05	Missing, 2nd reminder sent on 03/05	
UVIGO	Ready to be submitted by 10/05	Completed	
EPSILON	Ready to be submitted by 10/05	Completed	
ADEME	Comments sent for revision by 10/05 (Marie-Edith out of office until 08/05)	Completed	
WRT	Comments sent for revision by 10/05	Completed	Completed
MEDSEA	Ready to be submitted by 10/05	Completed	
CETMAR	Ready to be submitted by 10/05	Completed	
LAPP	Ready to be submitted by 10/05	Completed	
EGALEO	Ready to be submitted by 10/05	Completed	
WE	Ready to be submitted by 10/05	Missing, to be updated by Ana by 05/05	Missing, to be updated by Maria by 28/04
MOG	Ready to be submitted by 10/05	Completed	Missing, but nothing to be added normally
EQY	Ready to be submitted	Completed	T8.6 missing, to be updated ASAP Then update the deviations in resources

Our Project Officer at the European Commission has appointed 2 external reviewers, with whom we will meet virtually on 16/6/2023 (14h-17h). The coordination team and the Work Package Leaders are expected at the review meeting. Everyone however is free to join.

To refresh your mind, you can check the [slides](#) and [audio recording](#) of the workshop that EQY organised on the topic of periodic reporting. Also as a reminder, EQY prepared templates for the [financial reporting](#) and technical reporting ([part A](#) and [part B](#)). The financial reports have to be uploaded individually on the participant portal, after validation by EQY. The technical reporting will be uploaded to the portal by EQY and UA.

It is important that you provide your input in a timely manner. If our reports are accepted, you will receive a payment of 18% of your budget. Be considerate of your partners. The slowest one determines when we can expect the payment.

2. Further need to engage with stakeholders

Within the demo regions

In the first project phase, the Playbook has been implemented within each demonstrator region. Hence, one or more stakeholder workshops have been organised to develop adaptation pathways. The outcomes and lessons learnt are bundled in [deliverable report D3.3](#). The methodology was helpful, and guided the session(s), but also proved to be elaborate. The level of detail and completion of the adaptation pathways differed between demos. Further stakeholder workshops in the demo regions are envisaged. An overview and further planning is to be obtained during CM4.

Preliminary identified stakeholder workshop or focus groups are:

- 1-2 focus groups in each demo on behavioural change for deliverable D1.4 'Beliefs for transformational adaptation', in 2023-2024
- Playbook implementation workshop in Gjøvik (June 2023)
- 1-2 focus groups per demo on 'impact assessment and cost-benefit of solutions' (2024)
- Workshops on ownership for solutions; ideally linked to 'behavioural change' work
- Workshops on bankability (to be planned); one workshop already in Guadeloupe on the adaptation fund (May 2023)
- Further completion of adaptation pathways (to be discussed)

Stakeholder Exchange Network between demos and beyond

A Stakeholder Exchange Network will be set up. It aims to share knowledge on how to realise transformative adaptation in our demo regions. We will initially start by organising webinars to discuss and further enrich our forthcoming learning stories. CMCC and FEUGA will distribute a survey to better understand what is useful and whom should be involved. The planning will be discussed at CM4. The webinars will be organised together with [Regilience](#), and fit in their webinar agenda.

TransformAr learning stories

Learning story	Who is leading	Who will contribute
Nudging	Verhaert (Florent Passalacqua)	ADEME, LAPP, MOE and NCSR
Governance schemes	UA (Axelle Vincent)	UVigo, CETMAR, MEDSEA, MOE
Nature-based solutions	CZU (Vaclav Hradilek)	WRT, LAPP, MEDSEA
Digital and technological solutions	NTNU (Marcos Alvarez)	LAPP, WRT, CETMAR, MOE, MEDSEA
Insurance schemes and financial solutions	UA (Roel Nagy)	WRT, ADEME, LAPP, PIK

The Stakeholder Exchange Network is a newly proposed term, and aims to merge and replace the terms 'Community of Practice' and 'Stakeholder Advisory Board'. The learning stories will also lead to social media posts. Regilience will also replicate the TransformAr Playbook in 8 of the most vulnerable regions across Europe. A first info session has been organised already, with contributions from Verhaert, Acterra, CETMAR and WRT.

We also continue developing joint sessions with other projects including [Pathways2Resilience \(P2R\)](#), [REACHOUT](#), [ARSINOE](#), [IMPETUS](#) and the [MERLIN](#) project. The session at the [European Climate Change Adaptation Conference \(ECCA\)](#) is the first upcoming event.

Session at ECCA – Dublin, 19-21 June 2023

Our session at the [European Climate Change Adaptation Conference \(ECCA\)](#) is accepted. We proposed a 1,5h session entitled '[Adaptation pathways: barriers and enablers for implementation in EU regions](#)'. The session aims to gather experiences on existing tools and approaches on adaptation pathways, and discuss barriers and enablers for implementation in EU regions, cities and communities. It brings together the tools and approaches developed, or used by TransformAr, Regilience, REACHOUT and P2R. Everyone is invited. We envisage presentations on the various tools and approaches, including the Playbook. You can register [here](#).

Summary of upcoming events

Event	Time and place	Link for more information
ARSINOE Series: How can NBS support climate change adaptation and mitigation in the water sector? An illustration with urban stormwater management	June 1 2023 from 11:00-12:00 online.	Register here .
2nd Green Deal Projects Support Office (GD-SO) Board of Coordinators Meeting	June 5 2023 from 13:30-19:00 online.	More information can be found here .
2nd Forum on the EU Missions Adaptation to Climate Change	June 13 2023 from 09:00 – 18:30 in Blekinge, Sweden/online.	Follow the web stream here .
The 6th European Climate Change Adaptation (ECCA) Conference 2023	June 19 – 21 2023 in Dublin, Ireland	You can register here .
European Urban Resilience Forum (EURESFO)	October 18-20 2023 in Cascais, Portugal; session planned for the 19 th of October for the sister projects on water management and coastal resilience.	More information here .
EU Regions Week	October 9 – 12 2023	More information here .

3. Better coordination and cooperation on TransformAr deliverables

A number of deliverables and activities are related, and confusion existed on what the differences were, and how they should be interpreted. Rather than trying to understand how they differ, we now are working towards streamlining and finding synergies, mainly on two topics:

- **Data, sensors and apps:** In all demos, sensors and field monitoring is used, and further developed in TransformAr. Tidal waves are being monitored in the Galician demo. The Sardinian demo monitors lake water quality. The UK demo monitors nutrients in agricultural land. Egaleo started monitoring micro-climate and air quality. Lappeenranta aims to monitor urban stormwater. Also, the generated data has to be stored and accessed at local level, for local purposes in apps and/or databases. Also, CZU and Epsilon have expertise in meteo and water quality sensors. A concrete solution is being planned to connect sensors to apps and databases. At the same time, we also have climate risk and economic data that is developed centrally by our modeling team. A support corner on data, sensors and apps will be available during CM4 for those interested.
- **Economics & impacts:** The added value, and potential trade-offs, of adaptation solutions is an important argument to prioritise solutions. A number of deliverables are hence related to cost-benefit and other types of impact assessment. To avoid a scattering of approaches and data needs, we propose a common plan to realise the following deliverables:
 - In WP2: D2.3. Systematic review of economic evaluation of CC and loss damage function for KCS, D2.4. Report on full-scale socio-economic impacts of CC and TA in EU, national and sub-national levels, D2.5. Integrated comparative risk assessment, D2.6. Prioritisation of the most vulnerable regions and KCS to CC
 - In WP3: D3.4. Tools on the avoided damages and benefits per demonstrator, D3.5. Good practices and guidelines for avoiding damages and other direct costs in regional governance scale, D3.6. Replicable socio-economic impact assessment tools of transformational pathways
 - In WP5: D5.2. Sustainability profiles of solutions, D5.4. Report on willingness-to-pay for solutions, D5.7. Ex-post assessment of the solution reports (LCA)
 - In WP6: D6.2. Costs and benefits of climate change adaptation solutions

Submitted deliverables between CM3 and CM4

Del. N°	Deliverable name	WP n°	Responsible participant	Type	Dissem. Level	Delivery date
D3.3.	Set of adaptation transformation pathways per demonstrator	3	ACTERRA	R	PU	M18
D8.6.	Data Management Plan – First Update	8	EPSILON	R	PU	M18

TransformAr is on its way to Santiago de Compostela!



From the 10th to the 12th of May 2023, we will gather for our fourth consortium meeting to visit and get to know our Galician demonstrator. We will be hosted by CETMAR and FEUGA, who have put together an impactful agenda filled with insightful speakers and a field visit. You can find [the programme and a guide for your stay](#) on the TransformAr Sharepoint. A dedicated space has been created for the presenters to [upload their presentations](#). 2 new discussion formats are proposed for CM4, with (i) 3 Support Corners and (ii) 2 Problem Solving sessions. Please make sure you understand how they will work and how to [register](#) for Support Corners.

To finalise the preparation of CM4, below is a reminder of who is expected to prepare what for the sessions:

- **Day 1 – 10/05:**
 - o **Support Corners:**
 - EQY, CMMC & USC and Vehaert can prepare [if needed](#) supporting slides for their respective corners;
 - All partners should register to the Support Corners they want to attend on this [CM4 Support Corners](#) excel sheet (access: *TransformAr - Documents\2. Meetings\Consortium meetings\4. CM4 - Galicia - May 20223*)
 - o **Stakeholders Advisory Board session:** FEUGA & ACTERRA should prepare supporting slides;
- **Day 2 – 11/05:**
 - o **Problem solving session 1:** all partners should identify specific issues to be discussed with others to organise bilateral and/or group meetings during this slot;
 - o **Best Practices & exchange of experience:** Verhaert should prepare supporting slides;
 - o **Focus group training session:** USC should prepare supporting slides;
- **Day 3 – 12/05:**
 - o **Problem solving session 2:** all partners should identify specific issues to be discussed with others to organise bilateral and/or group meetings during this slot;
 - o **Planning for TransformAr’s demonstrators:** ADEME, MEDSEA, WRT, LAPP, CETMAR & MOE should prepare supporting slides;

All supporting slides for the session can be uploaded in folder [Slides for CM4](#) (access: TransformAr - Documents\2. Meetings\Consortium meetings\4. CM4 - Galicia - May 2023)

TransformAr in Guadeloupe



From the 1st to the 6th of December 2022, 43 of us visited one of TransformAr's 6 demonstrators for our third consortium meeting in Guadeloupe. Hosted and guided by **Marie-Edith Vincennes and Jérôme Roch** from [ADEME Guadeloupe](#), we were introduced to our demonstrator with a series of presentations from experts on: the challenges and opportunities of climate change for Guadeloupe (Fleur de Carbone), water resources and climate change in Guadeloupe (OREC/GREC), the issue and management of sargassum seaweed in Guadeloupe (ADEME) and planning on coastal erosion (Agency of 50 Steps). Partners also had the opportunity to discuss progress and challenges of the project in the preceding months.

We visited the [Carib'Coast](#) site at the Plage de l'Anse Maurice with the Geological and Mining Research Office at the National Forests Office. The site faces severe marine erosion as a result of sea-level rise and the degradation of marine ecosystems, pluvial erosion and anthropogenic erosion linked to the mechanical collection of sargassum seaweed, motorised machinery on the seafront and tourism. The National Forests Office is developing ecosystem services to fight against erosion.

On the second day of the consortium meeting, all demonstrators presented their solutions and the main actions taken so far. We then visited the '[KaruSmart](#)' ecological farm at the French National Institute of Agriculture and Environment (INRAE).

The goal of the KaruSmart micro-farm is to develop climate-smart production systems and adapt current farming systems to the challenges faced by climate change. KaruSmart also serves as a training site.

The third and fourth full days of the meeting allowed partners to go into detail on the work done, such as the data framework (CMCC), learning stories and lessons learnt management (ADEME), the stakeholder advisory board (FEUGA) and pathways (Acterra, Verhaert). We also discussed our contribution to international events (ADEME), our communication and dissemination strategy (WE/EQY), the plan for upcoming deliverables (UA), project management on ClickUp (UA), the plan for a common monitoring system (ADEME) and public acceptance (CMCC).



Plage de l'Anse Maurice



KaruSmart ecological micro-farm

Welcome to our new TransformAr colleagues!

Julie Auerbach Project Manager at Epsilon Malta Ltd



Julie Auerbach is an Irish National, is managing Research Technology Development Projects of Epsilon Malta Ltd (since 2022). Prior to joining Epsilon, she has been with the public and private sectors for the Sustainable Blue Economy primarily based in Malta, Pre and Post EU membership. Ms. Auerbach graduated in Geology and Earth Sciences from University College Cork (1999) and furthered her study through an MSc in Geophysics, Univ. of Malta.

As a Senior Scientific Officer, she concentrated on the technical aspects of offshore exploration and coordinated marine scientific research in accordance with UNCLOS and in reference to the Regional Sea Convention (i.e., the Barcelona Convention and its Protocols). Ms. Auerbach's experience includes leading the European Maritime Observation Data Network (EMODnet, Geology phase-II), and has been a contributor of the EMFF project SIMWESTMED for Malta with respect to implementation of Maritime Spatial Planning Legislation. From 2010, she had been engaged as a policy and research analyst for maritime affairs under the umbrella of the Integrated Maritime Policy with duties the setting-up of the Blue Growth Agency, Malta Marittima. Ms. Auerbach's long-term focus has been on environmental perspectives, sustainable development, and climate change, participating in the implementation of the Marine Strategy Framework Directive (MSFD) and the setting-up of the GIS infrastructure for the data management compliant to INSPIRE, EU Directive 2007/2/EC. Duties included her representation for the environment at national and European workshops for MSP and MSFD. She had supported Malta's Environment Authority in its efforts for the Copernicus Relay and Academy in Malta, in the use of earth observation data for marine monitoring.

Ms. Auerbach was the officer responsible for the coordination of 'Networks', which include the European Environment Agency (EEA) and the related Environment Protection Agency (EPAN), and the European Union Network for the Implementation and Enforcement of Environmental Law (IMPEL) as part of its cross-cutting expert group. Additional experience includes lecturing at the Univ. of Malta in Geoinformatics and Biostratigraphy (related to Climate Change). In 2011, Ms. Auerbach was the first of Malta's National Delegates for Eurogeosurveys, and she has also worked within the United Nations Environment Programme Mediterranean Action Plan (UNEP) as project manager of the EcAp MED-II project, during which she was based in the Barcelona Convention Secretariat, Athens, Greece. She project-managed within the EMODnet Secretariat as Partnership Relations Officer in parallel with leading the EMOD-PACE project (EMODnet Partnership for China and Europe in partnership with the National Marine Data and Information Services of China). Ms. Auerbach is currently managing and conducting RTD for the projects: Malta Strategic Environmental Assessment (Malta-SEA 2022-2024), Bleu Isles Erasmus+ (2021-2023), PANTHEON/Horizon(2023-2025), Zeroparasitic/MCST/PRIMA (2021-2023), TransformAr/Horizon (2021-2025), TRACE Horizon (2023-2026).

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Mostafa Barani

Researcher at NTNU Trondheim



Mostafa Barani received an M.Sc. degree in electrical engineering from the Shiraz University of Technology in Shiraz, Iran, in 2012, and he is currently pursuing his Ph.D. at the Norwegian University of Science and Technology (NTNU), with his defense scheduled for June 7th. He is currently a researcher at the Department of Industrial Economics and Technology Management, NTNU, Trondheim, Norway. His research focuses on energy system modeling and optimization, integration of storage and renewable energy resources under uncertainty and risk, smart grid design and economics, reliability of modern power systems, and applying optimization methods in power system studies, including stochastic approaches, multi-objective frameworks, mathematical decomposition, and linear/non-linear programming.

In the TransformAr project, he is part of WP3 and his focus is on the energy-water nexus. He is using the GENeSys-MOD model to determine the most efficient and environmentally-friendly pathways for energy systems transition.

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Rebeca Biancardi Aleu

Policy Analyst at CMCC



Rebeca has three years of experience in climate change adaptation, with a special look at nature-based solutions in Sub-Saharan Africa and Southeast Asia. She had the privilege to work with high-level experts and policy makers at the European Commission, the Stockholm Environment Institute (SEI HQ) in Sweden and the African Climate and Development Initiative (ACDI) in South Africa. Moreover, she recently completed an Advanced Studies Master in GIS for integrated natural resource management, with a major in Green Infrastructure and Ecosystem Services. Her academic background is in Politics and International Relations (BA) and African Politics (MSc).

Rebeca joined the Project TransformAr in February. More specifically, she joined and is now contributing to WP7 Structuring a European Transformational Adaptation Community of Practice. Together with her colleagues, she is task leader of T7.5 Networking and exchanges between adaptation experts and between local Innovation Ecosystems.

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Jisha Joseph

Postdoctoral Researcher at the Potsdam Institute for Climate Impact Research



Jisha Joseph is a postdoctoral researcher at the Potsdam Institute for Climate Impact Research, where she is currently working on the TransformAr project's WP2. Her research focuses on continental-scale hydrological modeling over Europe.

Jisha earned her PhD from the Indian Institute of Technology Bombay, India where she is focused on hydrological modelling of human natural system. She modelled the hydrology of Ganga River Basin by adding irrigation and groundwater abstraction to a hydrological model. Prior to her PhD, Jisha earned her Master's degree in Water Resources from the same institution. Her research interests include water resources management, climate change, and groundwater and surface water hydrology and irrigation. With her expertise in hydrology and climate change, Jisha aims to contribute towards addressing water-related challenges in a changing climate.

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Konstantin Löffler

Researcher in Energy System Modelling at NTNU Trondheim



Konstantin is a researcher at the Department of Industrial Economics and Technology Management (IØT) at the Norwegian University of Science and Technology since October 2022. In addition, he has a position as post-doctoral researcher at TU Berlin, where he leads a group in energy systems analysis. In his research, he works on the modelling of sector-linked energy systems, focusing on long-term pathways to achieve climate and decarbonization targets.

His PhD research was on quantifying chances and barriers of the global low carbon transition, with a focus on using the open-source energy system model GENeSYS-MOD to answer questions regarding future energy system trajectories. He submitted and defended his thesis in 2021.

He is joining the TransformAr project in WP3, where he is working on energy systems analyses for the demonstrator cases, currently focusing on the island of Guadeloupe.

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Roel Nagy

Senior Researcher at the University of Antwerp



Roel is a senior researcher at the Faculty of Business Economics at the University of Antwerp since February. In his research, he works on the economic valuation of projects under uncertainty and risk, and the valuation of projects with a strong social or public impact, particularly in energy and infrastructure.

Before joining the University of Antwerp, he was a PhD researcher at the Norwegian University of Science and Technology (NTNU) in the field of mathematical economics and finance. His PhD research was on investment under uncertainty, with a focus on policy risk and renewable energy investment. He submitted his thesis in January, and is defending on June 9.

He is joining the TransformAr project in multiple work packages. In WP3, he is working on ex-ante impact assessment and selection of adaptive pathways, and he is contributing to the monitoring of financial and insurance mechanisms in WP4. In addition, he is the University of Antwerp's representative for the bankability assessment in WP5.

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Florent Passalacqua

Innovation Consultant at Verhaert Masters in Innovation



Florent Passalacqua is an Innovation Consultant at Verhaert Masters in Innovation, working in the Strategic Innovation department. At Verhaert, he is focusing on innovative communities and startup ecosystems, ranging from sustainable and adaptation projects to deep tech acceleration programs. Florent leads a team of innovation and design consultants to carry out Verhaert's participation in the TransformAr project. He is currently mostly involved in WP1, WP3 and WP4.

Before joining Verhaert, he used to work in multiple investment funds based in Paris and Monaco where he had the opportunity to support companies' founders in their entrepreneurial journey, providing mentoring, funding and learning valuable lessons.

Florent graduated last year from University of California, Berkeley with a Master's degree in "Entrepreneurship, Technology & Startup Management". His main fields of interest are Entrepreneurship, Innovation and Investment. He is also a space enthusiast and recently launched a newsletter to share impactful entrepreneurial stories from space founders.

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Representing TransformAr

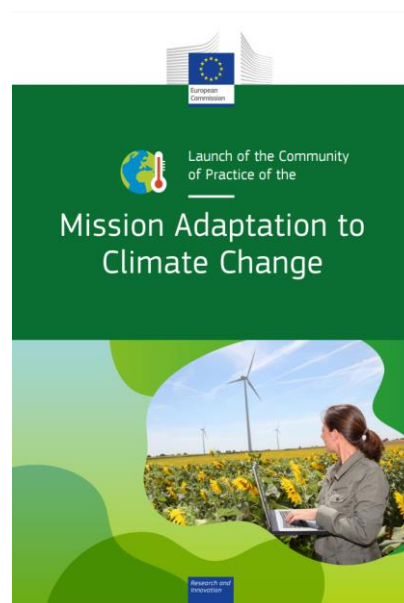
Launch of the EU Missions Community of Practice



The Mission Adaptation to Climate Change launched its Community of Practice on 26 January 2023 in Brussels where **Tine Compernelle from the University of Antwerp represented TransformAr**. The event brought together people who work on adapting to climate change at both regional and local levels, including practitioners, board members, and national representatives who signed the Mission Charter. This Charter has been signed by 300 regional and local authorities who have pledged to take action to align with the goals of the Mission. Additionally, 64 private companies, research networks, and local action groups focused on improving climate resilience have endorsed the Charter and become Friends of the Mission. Together, these signatories and friends will create a **Community of Practice called the Adaptation to Climate Change Mission**, which will receive support from the Mission

Implementation Platform to help them become more resilient to climate change.

This Community of Practice met for the first time on 26 January 2023 and discussed financial challenges, needs for access to data and knowledge, as well as the opportunities to involve citizens in building climate resilience. Participants discussed common issues, engaged in networking opportunities, and considered opportunities for cooperation. Tine Compernelle presented TransformAr and notably methodologies to engage citizens, such as the TransformAr Adaptive Pathway Transformations Playbook.



You can find more information on the event on the [slides shared during the event](#) and in the report on the [Launch of the Community of practice of the mission adaptation to climate change](#).

TransformAr at the EESC & SDSN

On the 4th of April 2023, **Margaretha Breil from CMCC represented TransformAr** at a workshop organised by the European Economic and Social Committee (EESC) and the Sustainable Development Solutions Network (SDSN) in Brussels on **'How to strengthen the EU's leadership on the SDGs'**. The workshop aimed to discuss priorities to strengthen the European Union's Sustainable Development Goals (SDGs) leadership in achieving climate neutrality and sustainable development, both at home and internationally, ahead of major international summits – including the [High-Level Political Forum on Sustainable Development](#) in July, and the [SDG Summit](#) in September.

TransformAr contributed to the session on 'Academic Contributions: Systemic Solutions for wicked challenges'. TransformAr was one of the three Mission Adaptation sister projects presented during the conference. Alongside a representative from ARSINOE (Lydia Vamvakeridou) and one from IMPETUS (Hannah Arpke), **Margaretha Breil described the specific TransformAr strategy to support the achievement of SDG goals in relation to climate resilience.** She underlined the importance of shared vision as a means to engage with civil society, economic and financial actors in creating an idea for a resilient local future and shaping the way for reaching it. Accounting for SDGs must be seen, in this context, as a strategy for accounting for economic, social and natural capital in a single accounting system, thus making trade-offs and lack of consideration of single areas immediately visible.

Participants also shared their thoughts on how EU leadership can continue to mobilise civil society, scientists and practitioners over the next seven years to advance the SDGs in Europe and globally. An outcome document will be prepared based on the main conclusions of the meeting, which will aim to support informed discussions on SDG priorities for the EU at HLPF and the SDG Summit in 2023 and the Summit of the Future in 2024 and for structured engagement with civil society by the European Parliament and European Commission.



You can read more about the event [here](#) and watch the recording of the workshop [here](#).

ARSINOE Seminar Series on Climate Change and its Impact on Water and Public Health

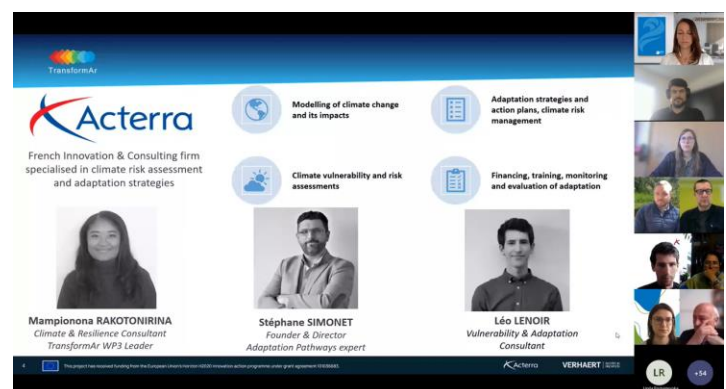


On the 21st of April 2023, TransformAr team members **Antonio Trabucco** from **CMCC** and **Fred Hattermann** from **PIK - Potsdam Institute for Climate Impact Research** joined our sister project's ARSINOE_EU online webinar on "Climate Change and its impact on Water and Public Health". The seminar built a discussion on the perspectives and the opportunities given by the water & public health nexus to contribute to addressing the water management and climate change challenges from a systemic vision.

REGILIENCE's Open Training Session: step by step towards climate resilience

On the 21st of April 2023, REGILIENCE held an Open Training Session called 'Step by step towards climate resilience'. The session provided insight into two pathway development approaches focusing on technical and sectoral developments to reach resilience and emphasised user experiences successful solutions. Overall, the session aimed to equip participants with the knowledge and inspiration needed to proceed with their climate resilience movement in their own communities.

As part of the session, the TransformAr playbook was presented by **Filiep Dewitte** and **Lynn Michaux** from **Verhaert** with input from **Léo Lenoir** from **Acterra** as the playbook's co-author and methodology developer.



Two users of the playbook were given the opportunity to discuss it in action. Amaya Soto from CETMAR presented its use with the Galician shellfish gatherers and mussel aquaculture farmers.



Giles Rickard from Westcountry Rivers Trust presented their experience in the pilot stages of the TransformAr playbook.



The recording of the session can be found [here](#).

Upcoming events

ARSINOE Series: How can NBS support climate adaptation and mitigation in the water sector? An illustration with urban stormwater management

An illustration with urban stormwater management" and will be chaired by the Water Europe Working Group on Nature based Solutions led by Kamal Azrague and Frédéric Cherqui. A panel of experts from the sister projects ARSINOE, TRANSFORMAR, IMPETUS and REGILIENCE will be also participating. This seminar will build a discussion arena about the perspectives and the opportunities given by nature-based solutions to contribute to addressing the water management and climate change challenges from a systemic vision.

June 1 2023 from 11:00-12:00.
[Register here.](#)

2nd Green Deal Projects Support Office (GD-SO) Board of Coordinators Meeting

TransformAr received an invitation from Directorate-General Research & Innovation (RTD) to attend the GD-SO Board of Coordinators meeting in-person in Brussels. More information can be found [here](#).

June 5 2023 from 13:30-19:00.

2nd Forum on the EU Missions Adaptation to Climate Change



The Mission Forums

The annual Forum is a major governance element of the Mission bringing together national, regional and local authorities, Friends of the Mission, European institutions, and research organisations.

The Forum is an opportunity to take stock, identify issues, provide direction, and define the path ahead. It will also showcase regional initiatives on adaptation to climate change and will facilitate dialogue between the participants of the Forum. More information [here](#). It will take place in Blekinge, Sweden, but it is also possible to attend online. More information [here](#).

June 13 from 09:00 – 18:30 in Blekinge, Sweden/online. Follow the web stream [here](#).

The 6th European Climate Change Adaptation (ECCA) Conference 2023

Our session on '**Adaptation pathways: barriers and enablers for implementation in EU regions**' has been accepted (submitted together with REACHOUT, REGILIENCE, ARSINOE, IMPETUS and P2P (PEERS)). We encourage those who wish to attend ECCA to do so, so do let us know if you would like to attend.

The audience will be adaptation experts - researchers and practitioners, policy-makers, local authorities, the private sector with a focus on businesses already engaged and taking action on climate risk, investors, NGOs, citizens organisations, youth and education organisations, community groups engaged in adaptation, communicators and all interested individuals. They will be able to hear from Europe's leading climate researchers who are using trusted data to develop cutting-edge climate action tools, decision-support platforms and prototype climate services for adapting to the climate challenges they are tasked with addressing. There will be an opportunity to share actual examples of the challenges and potential solutions. More information [here](#).

June 19-21 in Dublin, Ireland. Register [here](#).

PROGRESS

The following section provides a summary of actions and the latest updates in each Work Package, of submitted deliverables in the past months, and provides you with a link to the deliverables.

WP1 | FEUGA

Innovation ecosystems for transformational adaptation in demonstrators

The specific objectives of WP1 are to i) define a strategy for stakeholders' engagement to drive a co-creation process for transformational adaptation, ii) identify key potential actors, stimulating their active engagement as well as of citizens to foster a co-ownership of the solutions iii) understand perception and decision-making process of stakeholders and citizens, identifying potential barriers to behavioural change iv) promote exchange of practices between demonstrators.

Latest updates

Community of Practice: SAB pending meeting with sister projects

Management: CM4 Galicia 10-12 May 2023: final arrangements for field activity, ongoing preparations at our facilities

Stakeholder activities:

- best practices reorganisation with Verhaert and new planning for M24 two thematic reports; reporting on past activities
- incorporating WRT's citizen science for community building
- *updating Matrix (using REGILIENCE Maladaptation Self-Assessment Tool) and Planning Table; consolidating reports*
- *news for Demo Web*

Follow-up workshops:

- replication and solution monitoring
- *interactive innovation and scenario games (using IMPETUS Hot Spot Risk Assessment Tool): coordinating with Demos and WP4*

WP2 | CMCC

Integrated biophysical and socio-economic framework for modelling multi-sector dynamics

The objective of WP2 is to develop and implement a methodology as adaptive block for conducting full-scale climate and socio-economic risk assessment for EU regions and communities. Specific objectives are: i) to consolidate a coherent harmonized framework of climate/biophysical modelling data and projections across EU and demonstrators; (ii) to articulate more detailed (e.g. high resolution) modelling assessments of hazards and inter-linkages relevant for transformational adaptation across demonstrators; (iii) to provide an economic evaluation of climate risks for different sectors, (iv) to develop a comprehensive assessment of socio-economic impacts of CC and TA at different EU scales, linking sectorial interdependencies, and cascading effects, (v) to develop a multidisciplinary integrated risk assessment cross-correlating biophysical multi-hazards and macroeconomic implications of CC for relevant sectors and (vi) to prioritise vulnerable KCS and EU regions and provide a robust framework for decision-making and upscaling of solutions established at demonstrator to further areas.

Latest updates

D2.1 Discussion on data usage through web page/project or digital solution

D2.2 SWIM modelling (eco-hydrological processes); running For whole EUROPE, pending parameterization and validation for Guadeloupe

Climate Tourism Comfort: Analyses with climate trends for different variables and statistics on Tourism arrival/stay. Preliminary analyses and results available for Sardinia; Final methodology and results with Intern

Guadeloupe: Climate Tourism Comfort (waiting for parameterization data), Crop Yield (ready for some staple crops, needs implementation for banana and sugarcane)

Sardinia: Climate Tourism Comfort (Preliminary data Ready), Crop Yield (ready), Fishery (waiting for further validation data)

WP3 | ACTERRA

Envisioning transformative pathways for the demonstrators

WP3 will co-develop the adaptive blocks on Adaptive pathway co-construction, Adaptation planning and Solution combination in region-specific portfolios. Specific objectives include to: (i) co-develop adaptive pathways for developing transformational adaptation in each demonstrator and assess their biophysical, social and economic impacts and robustness; (ii) assess the potential avoided damages and additional co-benefits of transformational adaptation pathways for the society and the economy; (iii) co-define adaptation action plans and combination of actionable solutions for demonstrators; (iv) provide insights of the KCS transformational adaptation related to water-energy-food nexus and energy system designs repercussions.

Latest updates

The deliverable D 3.3 "Set of adaptation transformation pathways per demonstrator" was submitted to the Coordination team of TransformAr and on the EU Platform on 31st of March. The task T3.3 "Analysis of avoided damages and other direct benefits of pathways at demonstrator scale" led by NCSRSD has started. NCSRSD will contact demos, technical partners and concerned organisations to implement the task and to prepare the deliverable D3.4.

D3.3 | ACTERRA

(Submitted M18)

Set of adaptation transformation pathways per demonstrator – [Link](#)

In the framework of Work Package 3, a methodology has been developed to co-construct climate change adaptation pathways for demonstrator territories and related key sectors: the Playbook (Deliverable D3.10). Each demonstrator applied the methodology to co-develop adaptation pathways with key stakeholders for their territory and KCS. This report shows the results of this process.

The report is structured as follows:

- First, the Playbook methodology with conceptual elements (adaptation pathways, transformative adaptation, IPCC Fifth Assessment Report –AR5- conceptual definition for risk chain components) is briefly introduced.
- Second the schedule and steps to take to organise workshops is presented.
- Then, results of workshops for each demonstrator are showcased, based on the minutes or reports written and shared by the organisers of each workshop. They include the description of risk chain components (hazards, exposure, vulnerability, most prominent risk and economic risks) per territory or per KCS (depending on the approach chosen by organisers), the characterisation of impact / risk levels per territory or per KCS, the characterisation of critical thresholds (which was quite challenging for almost all of the participants of all workshops), adaptation visions and the adaptation pathways or the identification of relevant actions per impact / risk level.
- Finally, a section with the conclusions and lessons learnt is developed.

The TransformAr team is grateful to TransformAr partners (local and technical partners) who organised, prepared, implemented, and reported for the workshops as well as to all workshop participants for their commitment, availability, and their active participation in the discussions which allowed us to prepare this report.

WP4 | ADEME

Actionable adaptive solutions implementation

WP4 will implement and test, in demonstrators' Key community Systems, the region-specific portfolios of solutions, composed of actionable cross-sectoral and large-scale adaptive solutions. Some solutions have been preidentified during the project setting-up as they are crucial to tackle territorial vulnerabilities to climate change. These solutions are described below and will be implemented together with solutions selected and combined in WP3. It will demonstrate the contribution of solutions to improve massively resilience in the regions and/or communities and define the replicability potential of the solutions that will be included in the Innovation Packages. The first round of solution implementation will take place between M12 (Milestone 11) and M30, and the second round will start in M30.

Latest updates

- WP4 officially kicked off in **M12**
- ADEME designed a [tool to support WP task leaders in monitoring their solutions](#) – 21 solutions are expected to be implemented in the demonstrators throughout the duration of the TransformAr project.

Behavioural change and awareness change solutions task lead: Verhaert

Governance solutions task lead: University of Antwerp

Nature-based solutions task lead: CZU

Technological and digital solutions task lead: NTNU

Insurance, financial and economic scheme solutions: University of Antwerp

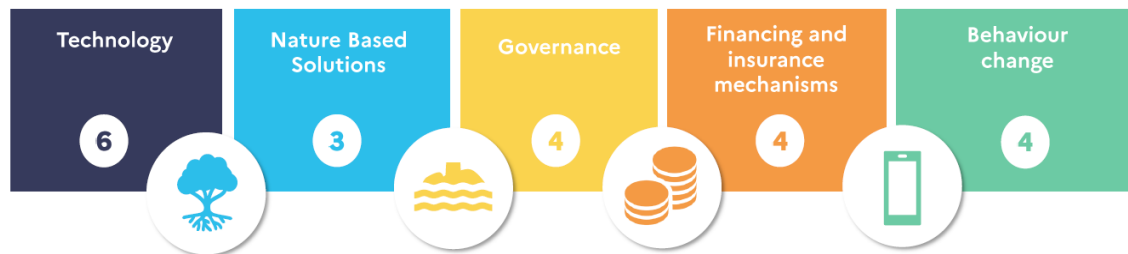


Figure: **Actionable adaptive solutions in TransformAr**

- **Lessons learnt management tool** : to be filled by all partners : **deadline before CM4 meeting**. [HERE](#) .
- **WP4 monitoring calendar** : The calendar for other solutions types is [HERE](#) in the Sharepoint.
- **Tasks leaders** : One-pager per learning stories to be submitted by each task leaders Rethink our learning stories ([HERE](#)).

Accelerating demonstrators' transformational adaptation

WP5 will develop the two adaptive blocks on Monitoring and evaluation and Acceleration of Transformational Adaptation. Specific objectives are as follows: (i) to monitor the progress of implementation at demonstrator scale (ii) to conduct an ex-post assessment of the solutions' contribution to improving resilience in the region and/or community and co-benefits/overall balance; (iii) to ensure ownership of the upscaling of solutions in demonstrators through understanding of opportunities and barriers on accelerating investment and upscale in the demonstrators articulating with the CSA; (iv) to ensure the bankability of TA projects and solutions and financial profitability and independence of demonstrators; (v) to contribute to the accelerating and guiding CCA into investment and decision-making through the WP1 Innovation Ecosystems established.

Latest updates

5.1 - CZU to update regarding interim monitoring reports due M24, current focus on 3 demonstrators including Sardinia, Westcountry region and Lappeenranta.

WRT Spot monitoring for WQ on Camel and Axe continuing. Citizen Science WQ group for Camel established, WRT to arrange training in the next couple of months. Significant local stakeholder interest in CSI opportunities.

5.3.1 - WRT pulling together team for these tasks. WRT identifying change agents locally to begin design of interviews and workshop phase across demonstrators. A need to understand situation in other demonstrator areas.

5.3.2-LUT proposal to drop the DCE for 5.3.2 as covered by WP2. TBC by LUT/Finland. The focus can then move to T5.2 and the ex-post assessment, project board to consider this. Opportunities for sensors at NBS sites.

5.4 - Roel Nagy appointed to research role at UA. Action to speak with Jan on content required for Bankability workshops. Examples include: Resilience workshops(regional) & scope potential for EU level workshop.

TIME FRAME (M10 – M42/M48)

- **T5.5 Acceleration (WRT)** – How can we increase understanding of decision makers? (*Risks – lack of clarity over benefit, poor identification of decision makers, lack of collation of events*)
- **T5.4 Bankability (UA)** – Who are the long-term funders of Climate Change Adaptation? (*Risk – poor identification and understanding of buyers*)



- **T5.1 Monitoring (CZU)** – What are you monitoring and how often? (*Risk - lack of quality, continuity, integration...*)
- **T5.2 Ex-post assessment (LUT)** – Is this internal or externally expertise? (*Risks – Quality and quantity of data to make assessment, scope*)
- **T5.3 Ownership (WRT)** – Who are the owners and how are you going to engage with them? (*Risk – poor stakeholder assessment, poor facilitation/engagement, fatigue*)

WP6 | University of Antwerp

Acceptance, building and exploitation of innovation packages

WP6 aims to capitalise, consolidate and integrate the knowledge/resources on Transformational Adaptation (TA) in the 7 project Innovation Packages (Ips). It will achieve the following specific objectives: (i) perform econometric analysis of the acceptance and preference of adaptative solutions with the general public; (ii) transfer the costs and benefits of adaptative solutions from the demonstrator to non-demonstrator sites across Europe; (iii) capitalise, consolidate and integrate the outcomes/knowledge/resources from all WPs, leading to a catalogue of solutions, and guidance documents on transformational adaptation, and the 7 IPs; (iv) define the exploitation, IPR strategy and business model; (v) articulate and feed into the CSA- project platform.

Latest updates

T6.1 Public acceptance (CMCC)

- Preliminary deliverable submitted to coordinators; to be completed by CMCC with results from survey company in time for final deadline 31/5.

T6.3.3: a lesson learnt management tool has been designed by ADEME: to be filled in by partners before CM4.

T6.4. Exploitation, IPR strategy, business model and planning of identified solutions (FEUGA)

- Innovation Management Board (D6.6,D6.7, D6.8). led by Teresa Sixto (FEUGA) in order; **Prior notice system for publications** communicated to partners via email and separate folder on ClickUp; 1:1 meetings to be organised with relevant partners on IPM; solutions monitoring integrated with results monitoring form under development on ClickUp; T6.4.2 work on business report under way

MODIFICATIONS TO BE MADE FOR EC REVIEW

- D6.6. and D6.6. public dissemination → private dissemination

WP7 | Water Europe

Structuring an EU transformational adaptation community of practice

Latest updates

- **COMMUNICATION AND DISSEMINATION**
 - Regular updates on social media accounts (LinkedIn and Twitter) and website are ongoing and should be shared and reposted by all partners of the consortium.
 - Meeting on T7.5 (Community of Practice), with participation of CMCC, EQY, WE and also Guido from Regilience. Conclusion: need of a meeting with WP1 to align the efforts of the Community of Practice to your efforts on the Stakeholder Advisory Board.
 - Next actions:
 - Continue with SM and website updates, with the articles with the Demos workshops. Next topics to communicate about: the WE 19/04 workshop on water and health, with participation of CMCC and PIK, the Playbook and its presentation in OTS 2, main conclusions from D3.3, participation to ECCA (to be confirmed)
 - Project video - May 23
 - Internal discussion on T7.5 "Networking and exchanges between adaptation experts and local Innovation Ecosystems" - discussion happened on 24/03, main conclusion:
 - Meeting between T7.5 and WP1 to be scheduled
 - Infographics
- **CLUSTERING**

WP8 | University of Antwerp

Project management

Latest updates

- **Dates of CM4:** May 10th to May 12th in Galicia, Spain. Agenda and logistics information were shared by EQY on 10/03.
- **CM5** dates in Egaleo are being discussed for October 2023.
- **TransformAr received an invitation for the 2nd Green Deal Projects Support Office (GD-SO) Board of Coordinators meeting,** happening in-person on 05/06 in Brussels.
- Resources for partners to start their reporting activities for Periodic Report 1 are on the SharePoint folder " Periodic Report 1".
- **/!\ Inputs on the Part A and Part B templates are expected for 18/04.**
- **/!\ Individual financial statements from all partners should be uploaded on the SharePoint by 28/04.**
- Data management plan update submitted on the portal on 31/03 as planned.

D8.6 | Epsilon Malta Ltd (**Submitted M18**)

Data Management First Update - [Link](#)

Focus of this Deliverable

The D8.6 – Data Management Plan (DMP) is the first update of a living document, intended to describe the data management life cycle for all datasets that will be collected, processed or generated by TransformAr.

Deliverable contents

TransformAr deals with many types of data and datasets generated or aggregated throughout its various activities. These types of data and datasets will be made available, in line with the guidelines for the Extended Pilot on Open Research Data in Horizon 2020 (European Commission, Directorate-General for Research & Innovation, 2016). The DMP also includes the dataset metadata specification that will be used in the data registry, following the above-mentioned appropriate

relevant standard. It specifies the recommended licensing schemes as suggested by H2020. In this first updated version of the DMP, both existing and planned data sets are described.

Conclusions and recommendations

The TransformAr DMP as depicted in D8.6 constitutes the basic tool that is going to manage data in the TransformAr project until M36, when it will be updated for the last time (D8.7) to be used until the project's completion.

Upcoming deliverables

Del. N°	Deliverable name	WP n°	Responsible participant	Type	Dissem. Level	Delivery date	Actual date
D3.4	Tools on the avoided damages and benefits per demo	3	NCSR	OTHER	PU	M22	01/07/23
D5.8	Intermediary monitoring report	5	CZU	R	PU	M24	01/09/23
D2.3	Systematic review of economic evaluation of CC and loss damage functions for KCS	2	CMCC/PIK	R	PU	M24	01/09/23
D2.4	Report on full-scale socio-economic impacts of CC and TA in EU, national and sub-national levels	2	E3M	R	PU	M24	01/09/23
D1.4	Beliefs towards transformational adaptation Conceptual Map	1	FEUGA	OTHER	PU	M24	01/09/23
D1.5	2 Thematic Best Practice reports	1	VERHAERT	R	PU	M24	01/09/23
D7.9	Mid-term update of communication and dissemination plan	7	WE	R	PU	M24	01/09/23