



STORAGE RESEARCH INFRASTRUCTURE ECO-SYSTEM

WORK PLAN
WORKING GROUP 2



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2 ABBREVIATIONS AND ACRONYMS

AB	Advisory Board
AC	Associated Countries
ES	Energy Storage
GB	Governing Board
LoI	Letter of Intent
LTP	Linked Third Party
MS	Member States
R&I	Research and Innovation
RI	Research Infrastructure
RTO	Research and Technology Operator
SC	Steering Committee
SRIA	Strategic Research and Innovation Agenda
TNA	Transnational Access
ToR	Terms of Reference
WG	Working Group
WP	Work Package

3 INTRODUCTION

The main technological objectives of StoRIES are linked to the energy storage development by providing access to world-class research infrastructures (RIs) and services, with a focus on improving materials for devices and optimizing hybrid energy systems with a view to make energy technologies more competitive and reducing costs. In addition, StoRIES focuses on the analysis of socio-technical and environmental aspects of new developments and systems, in order to provide training and education on these issues.

Within StoRIES the RI access is organized in several transnational access (TNA) calls, each call having a specific call topic and description. The selection and wording of the specific call topic is the core responsibility of WG2, building the foundation and starting point for each of the TNA calls. WG2 is thereby closely interlinked with Task 3.5 but also with the other WGs of the stories project, For instance, when considering and incorporating the feedback on the previous calls collected by WG3.

4 OBJECTIVES AND EXPECTED RESULTS

WG2 will define the call topics for each of the StoRIES TNA calls within the project and is therefore very closely interlinked with Task 3.5. Being the foundation of each call, a well thought out definition and wording of the title text is vital for the StoRIES project.

The main objective of WG2 is to define relevant call topics for all stakeholders in the StoRIES ecosystem taking into account a broad input from experts of various fields of energy storage.

5 COURSE OF ACTION

For the definition of the call topics, within on cycle (one call) WG2 will meet 1-2 times in order to prepare the call topic suggestion for the following call. The meetings will be held typically online, but providing a collaborative tool set so that it is assured that each expert can provide his/her input. If beneficial, also experts which are not formally part of WG2 can be invited to join the call topic definition workshop(s). WG2 will further consider user's and RI feedbacks for previous calls provided by WP2 and WG3 of WP1.

The suggested call topics will be suggested and sent to the WGs and expert panels in WP1, which will take the final decisions on the topics for the call.

6 KEY DELIVERABLES

WG2 will produce a call topic description for each of the calls within the project. These definitions are also the key deliverables of WG2. The call topic definition is to be published on the webpage and disseminated to a as large as possible group of potential interested parties.



7 TIMELINE

For the definition of the call topics, within one cycle (one call) WG2 will meet 1-2 times in order to prepare the call topic suggestion for the following call. The meetings have to be scheduled in a way that the WGs and expert panels in WP1 have sufficient time to provide their feedback.

Hence the timeline of WG2 is driven by the aspired publication dates of the specific TNA calls.

This is an indicative timeline based on the initial intention to launch two TNA calls per year until the end of the project.

Table 1 EXPECTED TIMELINE

Call topic definition of 1 st TNA call	Q2 2022
Call topic definition of 2 nd TNA call	Q4 2022
Call topic definition of 3 rd TNA call	Q2 2023
Call topic definition of 4 th TNA call	Q4 2023
Call topic definition of 5 th TNA call	Q2 2024
Call topic definition of 6 th TNA call	Q4 2024

8 MEANS AND TOOLS

The meetings will be held typically online, but providing a collaborative tool set so that it is assured that each expert can provide his/her input. The tools that could be used include Conceptboard (an interactive collaborative Workshop tool) and tools to edit text documents simultaneously.

The backbone of the online meetings is of course an online meeting tool. Within StoRIES typically Microsoft Teams is used, also providing several collaborative mode, such as a whiteboard etc.



9 IDENTIFIED RISKS

There are no significant risks which could be identified within the work plan for WG2. However, WG2 has to assure that relevant call topics for all stakeholders are formulated and that this procedure is completed in time to assure proper feedback possibilities before the launch of the call. If, for instance, the timing of the call topic definition is late, this would pose a risk to the execution of Task 3.5.

ANNEX I – WG MEMBERS

Family Name	First Name	Organization	Country	Specific Field
Barelli	Linda	UNIPG	IT	chemical ES
Baumann	Stefan	FZJ	DE	chemical ES
Besmehn	Astrid	FZJ	DE	cross-cutting
Blanco	Marcos	CIEMAT	ES	cross-cutting
Cavazzini	Giovanna	UNIPD	IT	mechanical ES
Di Noto	Vito	UNIPD	IT	electrochemical ES
Ding	Yulong	UNIBirmingham	UK	thermal & mechanical ES
Gallino	Isabella	UniSaarland	Germany	Electrochemical ES
Garcia	Pierre	CEA	FR	thermal ES
Granados	Xavier	CSIC	ES	SMES
Heussen	Kai	DTU	DK	power and energy systems control and integration
Holtappels	Peter	DTU	DK	chemical ES
Krohn Aasgård	Ellen	SINTEF EN	NO	mechanical ES
Lager	Daniel	AIT	AT	thermal ES
Malek	Kourosch	FZJ	DE	AI
Navarro	Helena	UNIBirmingham	UK	thermal ES
Paillard	Elie	PLIMI	IT	electrochemical ES
Rodriguez	Margarita	CIEMAT	ES	thermal ES
Schnürch	Michael	TU Wien	AT	thermal ES
Scipioni	Roberto	SINTEF AS	NO	electrochemical ES
Stevens	Philippe	EDF	FR	electrochem, chem, thermal
Wimmer	Yannick	AIT	AT	chair
Remco	Groenenberg	TNO	NL	Medium to long duration es

Medium to long duration
es

Joris Koornneef TNO NL

Rafael Dr. Mayo-García CIEMAT ES


evaluation of the research
infrastructure

As of September 2022



ANNEX II - EXAMPLE OF THE FIRST TNA CALL FROM THE STORIES WEBPAGE

FIRST StoRIES TRANS-NATIONAL ACCESS CALL



TNA Call No.: 1
Call topic: Application oriented hybrid and sustainable energy storage solutions

The first StoRIES TNA call was closed in August 2022 and foresaw three different sources of innovation: materials research, development and testing of a component, device or cluster of devices, and integration of the innovation into the energy system.

The four applications received for the first call were evaluated according to the rules described in [D2.2 General rules for TA according to Access Policy](#) by members of the **Selection Panel** who have expertise in the field of the proposed projects. The evaluators were asked to provide a score reflecting, inter alia, the quality, scientific excellence and relevance of the proposals to EU and StoRIES policies. The average of the scores received, which in all cases reached more than 30 out of 50 points, allowed all four proposals to be approved. The winning organisations, the research infrastructures and the topics of the proposed projects are listed in this table:

No.	Project name	Home	Host
TNA 1.1	Technical feasibility assessment and operational algorithms of electrolysis system providing grid balancing services (TFAOA)	DTU (DK)	P2X, LUT (FI)
TNA 1.2	Cell Testing at Different Temperatures as Early Detecting Methods for Stacking Accuracy in Pouch Cells and Its Tolerant Limits (CeTeTe)	KIT (DE)	VTT infrastructure for Batteries (FI)
TNA 1.3	Energy storage in Seawater Battery (SeaBatt)	LaSapienza (IT)	FromMattoBatt KIT/HIU (DE)
TNA 1.4	Development and Optimization of Lignosulfonate (LS)/Zinc (Zn) Hybrid Flow battery (LSZn)	Energy Storage Solutions S.L.U (ES)	CheMaMSE, U Padova (IT)