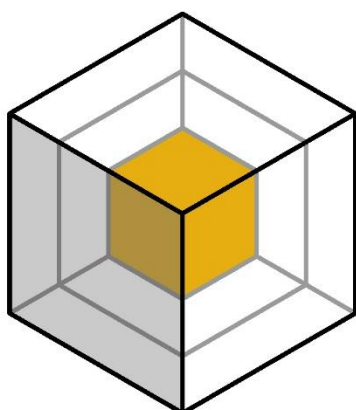


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GA No. 101103898

NEXT-generation physics and data-based Battery Management Systems for optimised battery utilisation



NEXTBMS

NEXTBMS - Deliverable report

D6.3 – Updated Data Management Plan

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Project summary

NEXTBMS will develop an advanced battery management systems (BMS) built on fundamental knowledge and experience with the physicochemical processes of lithium-ion batteries, which will enable the significant enhance of current modelling approaches, including the readiness for upcoming lithium (Li) battery material developments. These modelling approaches will be further improved by optimising sensors and measurement techniques to meet modelling needs (and optimising models based on physical sensor data) and the physical cell configurations to form a framework that supports improving the battery state prediction and -control. By solving these challenges, NEXTBMS will ensure that the next generation of BMSs will enable higher performance, safety, and longer lifetime of the battery cells for an overall optimal utilisation of the battery system.



History of Changes

Deliverable	Action
D6.2	Initial version of Data Management Plan
D6.3	Update of "Publishable summary" Update of "Introduction" Update of "Abbreviations & Definitions" Update of "Types and formats of research data to be generated and used in NEXTBMS" Update of "Reuse of existing data" Update of "Expected size of data" Added chapter "Standards and Regulations" Update of "Data utilisation" Update of "Metadata" Update of "Accessibility of data" Update of "Allocation of resources" Update of "Conclusions" Update of "References"



Publishable summary

Data Management Plans (DMPs) are an important aspect of responsible research output management and a mandatory requirement for Horizon Europe projects that generate results or reuse data.

This Deliverable D6.3 Updated Data Management Plan, is an update to Deliverable D6.2 Initial Data Management Plan aiming to ensure the quality of the results of the NEXTBMS project and dealing with the definition of procedures and standards, the identification of responsibilities and the monitoring and control of the results.

This DMP includes all datasets identified from M1 to M18 of the project. It describes all data that has been generated and/or collected during the project, the standards that will be used, how the data will be exploited and shared (for review and/or reuse), and how the data will be maintained. Therefore, the document is specifying the quality assurance procedures for the NEXTBMS project. It ensures that all project results and deliverables meet the requirements defined in the description of the action (DoA). This is reflected in efforts to standardise procedures to obtain Findable, Accessible, Interoperable and Reusable (FAIR) research data.

This living document D6.3, continues to govern all actions by partners and consortium and is accepted by all partners. To this purpose, it will be reviewed at each GA and will be adequately updated until the end of the project (M42: D6.4 Final Data Management Plan).



1 Acknowledgement

1.1 The consortium

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Project partners:

#	Partner short name	Partner Full Name
1	AIT	AIT Austrian Institute of Technology GmbH
2	TNO	Nederlandse organisatie voor toegepast natuurwetenschappelijk onderzoek TNO
3	UL	Univerza v Ljubljani
4	VUB	Vrije Universiteit Brussel
5	UNR	Uniresearch BV
6	AVL	AVL List GmbH
7	AVL-SFR	AVL Software and Functions GmbH
8	AVL-TR	AVL Arastirma ve Muhendislik Sanayi ve Ticaret Limited Sirketi
9	BOSCH	Robert Bosch GmbH
10	NXP-AT	NXP Semiconductors Austria GmbH & Co KG
10.1	NXP-NED	NXP Semiconductors Netherlands Bv
11	EDF	Electricite de France
12	TOFAS	TOFAS Turk Otomobil Fabrikasi Anonim Sirketi

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