



## STORAGE RESEARCH INFRASTRUCTURE ECO-SYSTEM

### RI Information sheet 2022

Organisation, RI name: Forschungszentrum Jülich

Technology(ies) of Energy Storage:

electrochemical energy storage including hydrogen technologies

Contact person 1:

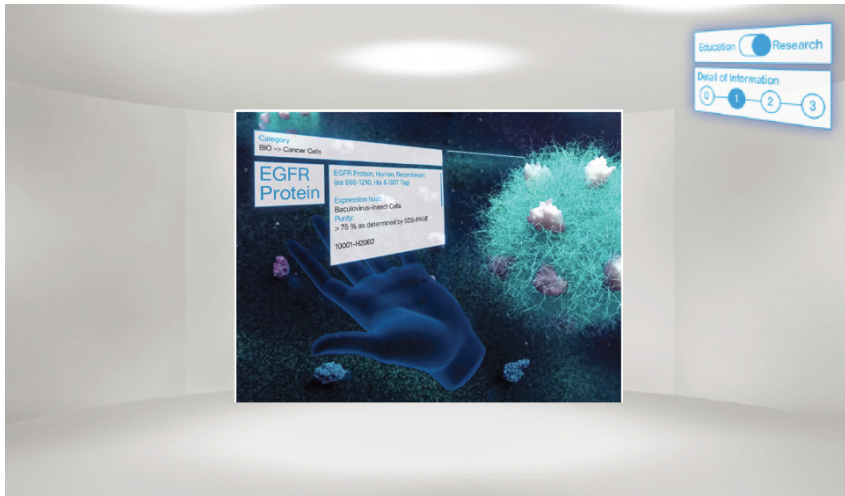
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Contact person 2:

First name, second name, email

Project Acronym	StoRIES
Call	H2020-LC-GD-2020
Grant Agreement No.	101036910
Project Start Date	01-11-2021
Project End Date	31-10-2025
Duration	48 months

1. Photo



2. Geographical coordinates (°, ′, ... N/S, E/W)

West Germany

3. Description of the research infrastructure for the webpage

The energy materials analytics and XR (mixed reality) facility (**XR4MAT**) of **Forschungszentrum Jülich GmbH (FZJ)** is an integrated hardware-software platform with capabilities in data acquisition, data workflow management and modeling-based analytics. The goal is to augment modeling data on a virtual reality environment, where the data analytics is streamlined with an immersive and interactive virtual environment. The data augmentation can take place at various scales, from materials level to component integration and device or on-grid/off-grid system operations

4. Availability of the research infrastructure

(Please indicate time periods in which infrastructure will not be available for StoRIES in the next 2 years – if already known)

Will not be available from March to June 2022

5. Special considerations (confidentiality / NDA agreements, insurance requirement, special training, HSE training)

Special training, NDA agreement

6. Energy storage technology that can be analysed/studied by using the research infrastructure

- Electrochemical
- Chemical
- Thermal
- Mechanical
- Superconducting Magnetic
- Cross-cutting  (Specifically: AI, virtual/augmenting reality)

7. Key words for the webpage

Visualization, materials data, VR/AR infrastructure, data modelling, AI

8. TRL level (if applicable):

- 1-3
- 4-6
- Above