## WORKSHOP ON APPLICATIONS FOR INDUSTRIAL THERMAL ENERGY STORAGE

## AGENDA

**Date** Tuesday, 7 November 2023

**Time** 9.00 - 20.00

**Location**  TNO Utrecht, Princetonlaan 6, NL-3584 CB Utrecht

### Concept

In December 2022, the White Paper on "Industrial Thermal Energy Storage - Supporting the transition to decarbonise industry", developed within the scope of activities of the European Energy Research Alliance (EERA), was launched. As a follow up, the EERA **Joint Programmes Energy Storage** (JP ES), **Geothermal** (JP GE) and **Energy Efficiency in Industrial Processes** (JP EEIP) organised a workshop on *Applications for Industrial Thermal Energy Storage* that will take place on 7 November 2023 in Utrecht, the Netherlands. The workshop will include contributions from policymakers, industry and research structured in a series of panel discussions as well as a site visit.

### Agenda

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| EERA JPS EEIP, ES & GE workshop on Applications for Industrial Thermal Energy Storage | | |
|  |  | Chair:  Myriam E. Gil Bardají (EERA JP ES)  David Bruhn (EERA JP GE)  Yvonne van Delft (EERA JP EEIP) |
| 09:00 | Welcome TNO | **Tirza van Daalen** TNO (*Confirmed*) |
| 09:10 | The transition to decarbonise industry through thermal energy storage | **Tony Roskilly**  Durham University (*Confirmed*) |
| 09:30 | Innovation trends, research needs and market barriers in Thermal Energy Storage for industrial sector: the role of EIC | **Marco Pantaleo**  European Innovation Council  (*Confirmed*) |
| 09:50 | Applications for Thermal Energy Storage and conversion in the industrial field | **Prof. Adriano Sciacovelli**  University of Birmingham  (*Confirmed*) |
| 10:10 | Full-scale application and development of seasonal heat storage | **Martin Bloemendal**  TUDelft & KWR  (*Confirmed*) |
| 10:30 | **Coffee break** | |
| 10:55 | Industry panel discussion 1: Decarbonization of industry by thermal energy storage/ integration of heat pumps | Moderator: Tony Roskilly  Panel members:  Carlijn Lahaye (ENERGYNEST)  Olav Galteland (SINTEF)  Anton Wemmers (Huhtamaki)  Andrea Gutierrez Rojo (DLR-TBC) |
| 11:55 | Industry panel discussion 2:  Policy & regulation for the application of industrial thermal energy storage | Moderator: Salvatore Vasta  Panel members:  Marco Pantaleo (European Innovation Council)  Kees Biesheuvel (Dow)  Eric Lecomte (DG Energy)  Klaus Peters (ESTEP) |
| 13:00 | **Lunch** | |
| 14:00 | Industry panel discussion 3: Exploiting geothermal resources for industrial thermal storage | Moderator: David Bruhn (EERA JP GE)  Panel members:  Martin Bloemendal (TUDelft)  Jasper Kwee (IF Technology)  Mike Spence (BGS)  Dorien Dinkelman (TNO) |
| 15:00 | **Bus transfer to site visit** | |
| 16:00 | Site visit | Rijswijk – [Energy Cave](https://www.energycave.nl/) |
| 19:00 | **Network Dinner** | |

## TRAVEL GUIDELINES | ACCOMMODATION

### Venue of the event

Venue location:

TNO Utrecht, Princetonlaan 6, Utrecht

Visitors to the TNO location in Utrecht can park their cars in the green marked parking lot on Princetonplein. Parking on Princetonplein is only for permit holders, visitors receive a temporary day permit at the reception. Visitors can also park for a fee in the Transferium. See the green dotted line for the car route.



### Network dinner

At 19.00 a network dinner is organised at Restaurant Stadskasteel Oudaen, Oudegracht 99, 3511 AE Utrecht.  
During your online registration you could have registered for dinner. Please inform Ilona Kaandorp (ilona.kaandorp@tno.nl) if you changed your plans.

[Restaurant Oudaen - Uit eten in Utrecht bij Stadskasteel Oudaen](https://www.oudaen.nl/)

### Bus transfer site visit

If you registered for the site visit to the Energy Cave in Rijswijk, bus transportation will be provided.  
Please note that the bus will leave TNO at 15.00. The bus will be waiting in front of the building.

For the back trip to Utrecht the bus will leave at ……

### Accommodation

**4 star Hotel:**

[Inntel Hotels Utrecht Centre](https://www.inntelhotelsutrechtcentre.nl/)   Ask for TNO rate

[Park Plaza hotel, special rate TNO](https://www.radissonhotels.com/en-us/hotel-deals/parkplaza-artotel-dynamic-rates) (with this link)

[NH Centre Utrecht](https://www.nh-hotels.nl/hotels/utrecht?campid=8435708&ct=287135538&gclid=CKH06rOujtYCFUu6GwodxZEB0A&dclid=CL7c9rOujtYCFU-MdwodhvABpw)

[NH Utrecht](https://www.nh-hotels.nl/hotels/utrecht?campid=8435708&ct=287135538&gclid=CKH06rOujtYCFUu6GwodxZEB0A&dclid=CL7c9rOujtYCFU-MdwodhvABpw)

[Malie Hotel Utrecht](http://www.maliehotel.nl/en)

[Court Hotel City Centre](http://www.courthotel.nl/en)

**3 star Hotel:**

[IBIS Utrecht](http://www.ibis-hotel-utrecht.nl/en/)

[Hotel Sleep Well](http://www.hotelsleepwell.nl/nl/index.html)

**2 star Hotel:**

[Hotel Oorsprongpark](http://www.oorsprongpark.nl/en/)

### Main contact

Ilona Kaandorp E: ilona.kaandorp@tno.nl T:

## SPEAKERS & PANEL MEMBERS

### Keynote speakers

Tirza CV + Photo

Tony Roskilly CV + Photo

Marco Pantaleo CV + Photo

Prof. Adriano Sciacovelli CV + Photo

Martin Bloemendal CV + Photo

### Moderators & panel members

#### Industry panel 1: Decarbonization of industry by thermal energy storage/ integration of heat pumps

CVs + Photos

#### Industry panel 2: Policy & regulation for the application of industrial thermal energy storage

CVs + Photos

#### Industry panel 3: Exploiting geothermal resources for industrial thermal storage

CVs + Photos

### Hosts

JP ES CV + Photo

JP GE CV + Photo

JP EEIP CV + Photo