

# JRC Dataset

## Storage of Thermal REactor Safety Analysis Data - Facilities

### Description:

The STRESA (Storage of Thermal REactor Safety Analysis Data) information system is a repository of thermal hydraulic experimental data (severe accident and pure thermal hydraulics) for nuclear power reactor safety analyses. Its goal is to disseminate documents and thermal hydraulic/severe accident experimental data from large in-house JRC scientific projects and from other European experiments. It supports the European NUGENIA network for Severe Accident data preservation and is a reference repository of EU experimental data. Its political relevance lays in the accomplishment of Euratom objectives to promote research and ensure the dissemination of technical information.

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### How to cite:

Pla, Patricia; Tanarro Colodron, Jorge; Matselyuhk, Oksana; Ammirabile, Luca(2000): Storage of Thermal REactor Safety Analysis Data - Facilities. European Commission, Joint Research Centre (JRC) [Dataset] PID: <http://data.europa.eu/89h/jrc-stresa-facilities>

### Keywords:

code assessment, experimental data preservation, integral and separate effect test facilities, knowledge management, nuclear safety, severe accident, thermal hydraulics

### Related resources:

#### Data access

STRESA facilities list

STRESA facilities list

<https://stresa.jrc.ec.europa.eu/facilities>

STRESA facilities map

STRESA facilities map

<https://stresa.jrc.ec.europa.eu/home>

#### Publications

The new STRESA tool for preservation of thermalhydraulic experimental data produced in the European Commission

Pla Freixa P, Pascal G, Tanarro Colodron J, Annunziato A. The new STRESA tool for preservation of thermalhydraulic experimental data produced in the European Commission. ANNALS OF NUCLEAR ENERGY 85; 2015. p. 893–902. JRC94798

DOI:[10.1016/j.anucene.2015.07.007](https://doi.org/10.1016/j.anucene.2015.07.007)

### Additional information:

Last Modified: 2015-06-25

Issue date: 2000-01-01

Landing page: <https://stresa.jrc.ec.europa.eu/>

Geographic area: World

Update frequency: None

Language: English

Data theme(s): Energy; Science and technology

EuroVoc domain(s): 36 SCIENCE; 66 ENERGY  
Identifier: <http://data.europa.eu/89h/jrc-stresa-facilities>