

# JRC Dataset

## Storage of Thermal REactor Safety Analysis Data - Tools, experiments and data

### 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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### 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 - test experiments - tools and data

Restricted information system containing different features and tools for the registered user, in which the experiments database would be the core functionality. Every user may be registered into the information system by just contacting the information system administrator.

<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

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