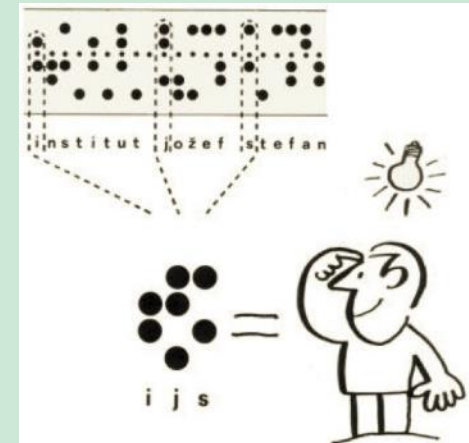


# Energy Efficiency Centre – bridge between theory and practice

**Stane Merše, Head of JSI – EEC,  
Ljubljana, Slovenia**

TIMEPAC-21 International Workshop, Ljubljana, December 14-15, 2021

The Stefan-Boltzmann law *states that the energy flux density by a blackbody:*



$$j = \sigma T^4$$

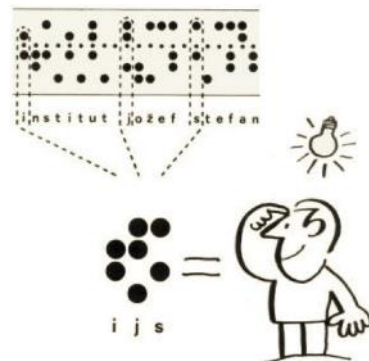
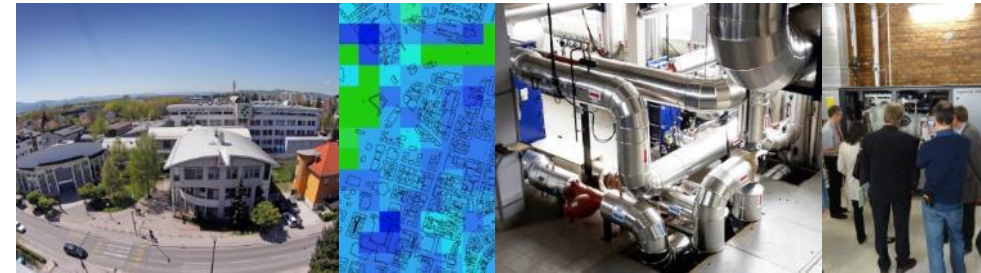
$$j = \text{⋯} T^4$$

# Key Services & Fields of Work

JSI is leading Slovenian research organisation (staff ~960)

## Basic and applied research:

- Physics
- Chemistry & biochemistry
- Electronic and information science
- Nuclear technology
- Energy and environmental sciences



The Stefan-Boltzmann law *states that the energy flux density by a blackbody:*

$$j = \sigma T^4$$

$$j = \text{⬤⬤⬤⬤} T^4$$

# Energy Efficiency Centre (EEC) in Brief

Established

1995

Independent centre within the Jožef Stefan Institute

Staff

20 (JSI ~960)

Focus

Industry and application oriented projects with strong background in energy related research

Expert support to the development of national energy (RES, EE) and climate strategies and action plans

Education and international cooperation

Measuring equipment for implementation of comprehensive energy audits (e.g. thermal imaging camera, flow meters, power quality analysers etc.)

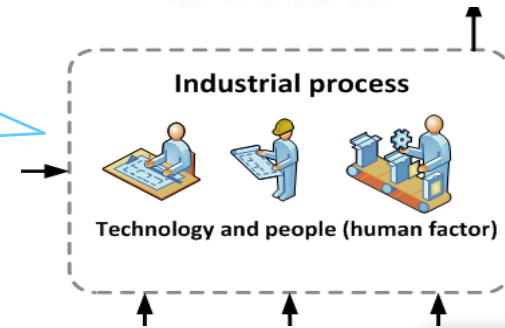
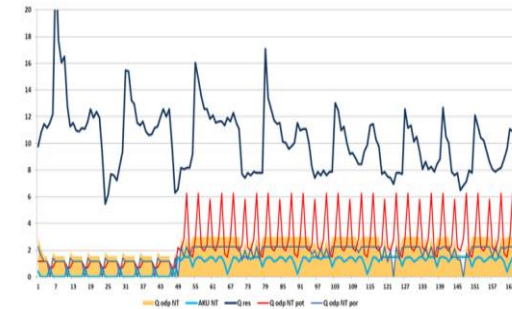


# Research and Knowledge Transfer to Business and Consumers

**Collaborative partnerships with industry in energy auditing, measurements, feasibility studies...**  
(CHP, waste heat, DH)

**Innovative energy management and performance monitoring**  
**Smart metering and energy efficient behaviour**

**Trainings in the field of energy efficiency (EUREM) & SLO Energy Managers Days conference**



# International Co-operation



TIMEPAC

Building international partnerships is one of our main strategic orientations

In the last 5 years involved in 25 international projects (mostly within the EU framework projects)

Partner of the initiatives, networks...



# TIMEPAC-21 International Workshop

Two days, three sessions,  
20+ presenters, 60+  
participants

Session 1 - Legislative context and requirements for deep renovation of EU building stock

Session 2 - Enhancement of EPCs with the integration of other data sources

Session 3 - Managing of active buildings and the use of innovative technologies in order to enable smart energy services

# Welcome to our virtual TIMEPAC-21 International Workshop



# Thank you for your attention!

If you would like to have more information, please contact us:

[boris.sucic@ijs.si](mailto:boris.sucic@ijs.si)

[igor.ribic@ijs.si](mailto:igor.ribic@ijs.si)

