CERT.LV

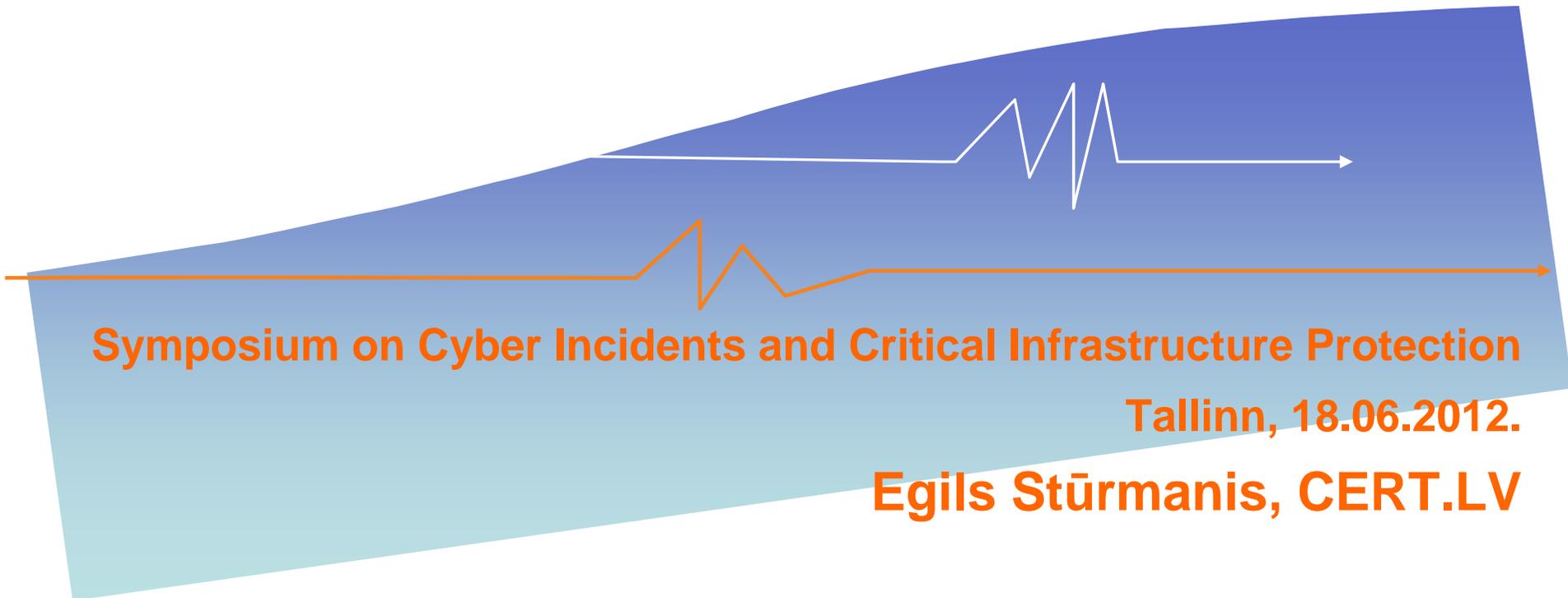**real-IT-y**
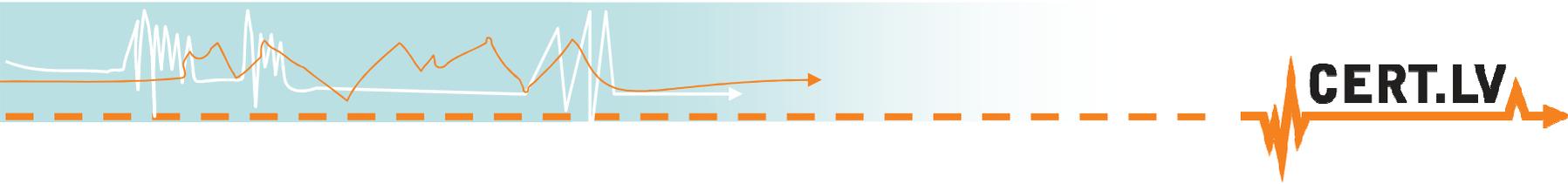*in virtual environment*

„Information security education programme"

Symposium on Cyber Incidents and Critical Infrastructure Protection
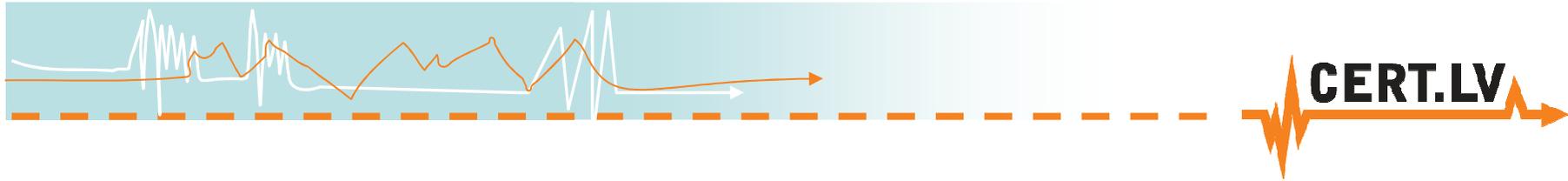
Tallinn, 18.06.2012.

Egils Stūrmanis, CERT.LV
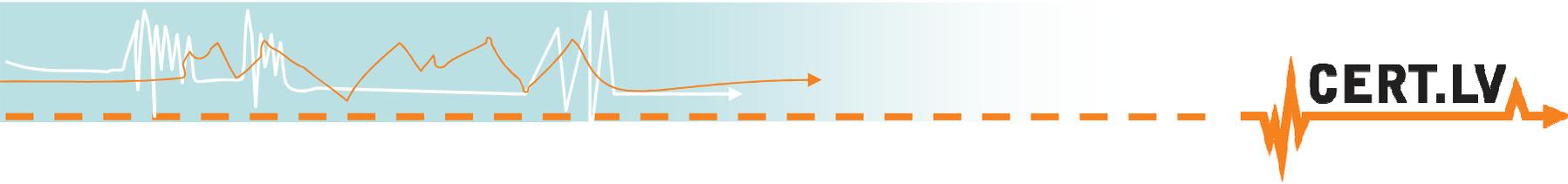
Content

- IT security law

- Information Security Education Programme

- "Computerologist" – doctor for end user PCs

- Target audiences
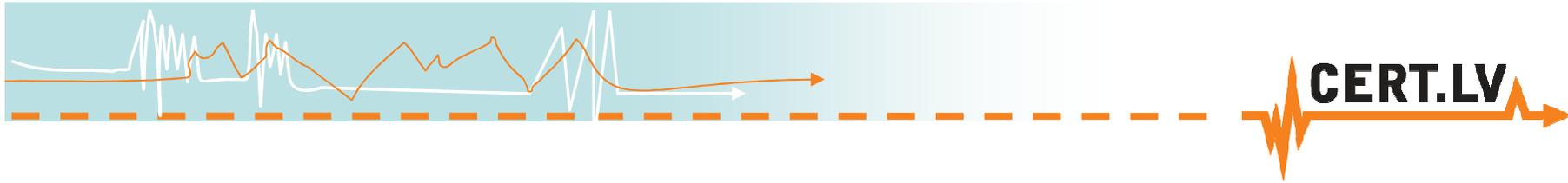
- Statistics

- Summary

IT Security Law

IT Security Law (1)

- In force since 1 February 2011

- Implemented in 2011

- Sets CERT.LV tasks and responsibilities

- Sets responsibilities for:
  - Public sector
  - ISPs
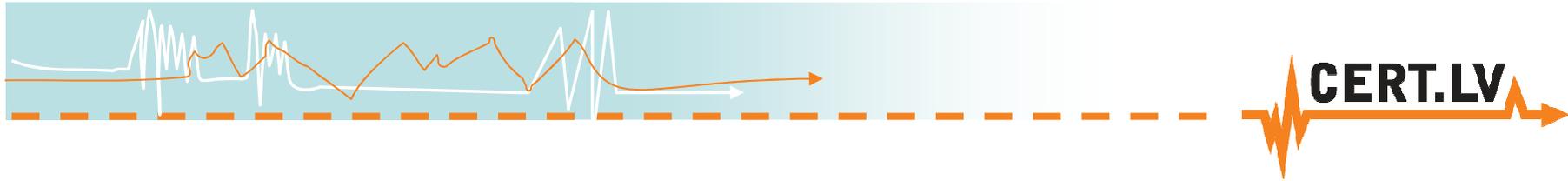 - Critical IT infrastructure owners
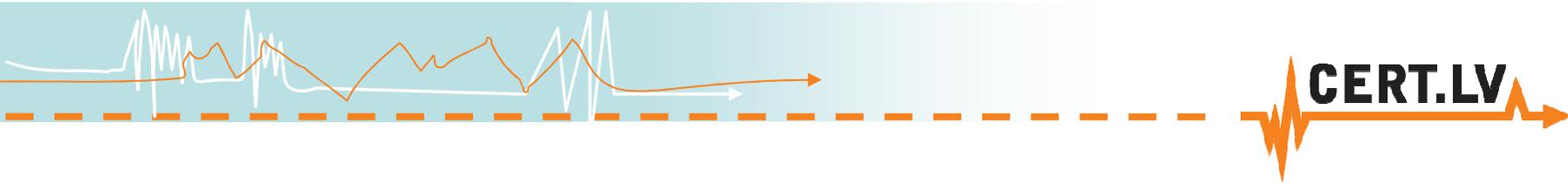
IT Security Law (2)

- In each state or municipal institution – **responsible person** for IT security has tasks:
    - To establish IT security documents for the institution
    - To organise IT security audits
    - **To educate at least once per year all employees**
    - To report CERT.LV about security incidents
    - To participate in CERT.LV seminars

Information Security

Education Programme

Information security education programme (ISEP)

- Template for IT security responsible persons to educate employees

- Anonymous template is published in the CERT.LV website

- Anyone can use this template

- Known 5 different programmes (clones) based on this template

- Based on the template CERT.LV has created presentations for several target groups:

  - IT teachers

  - High school students

  - Judges

ISEP main topics (1)

Programme to 1,5 hours contains 6 important parts

1. **Security in general**

    - Security concept and theory

    - Attackers in virtual environment

2. **Information security aspects**

    - Information importance and value

    - Employee roles and responsibilities regarding information security

    - The legal framework

    - Information Security Policy and Management

ISEP main topics (2)

3. **Protection of information**

- IT security documentation in state or municipal institution*
- Authentication and password policy*
- Best practice for password selection
- Protection against computer viruses and malicious code*
- Data storage and backup*
- Procedures of the use and protection of confidential information*
- Proper Use of smart phones and removable memory cards (storage devices)

* Individual for each state or municipal institution
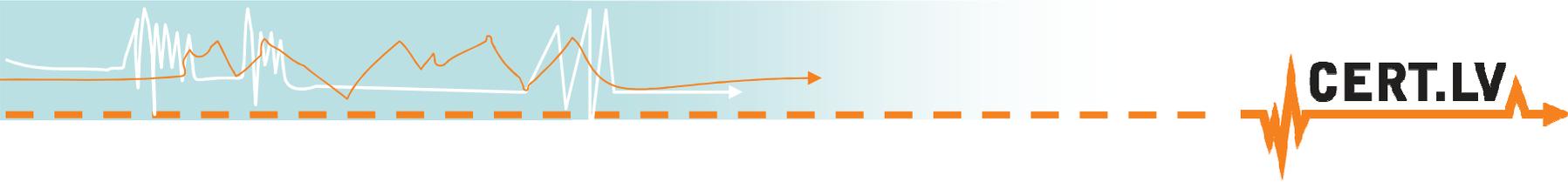
ISEP main topics (3)

4. **Computer ethics**
   - Computer and software legal use
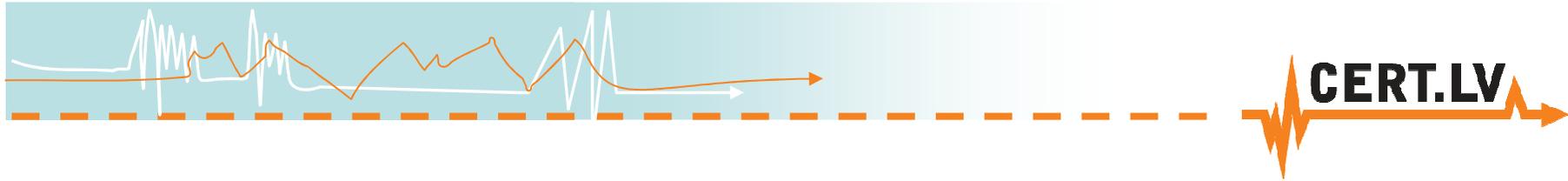   - Secure e-mail and Internet use*

5. **Office ethics**
   - Discipline at work*
   - Communicating with third parties*
   - Social engineering

6. **IT security incident handling**
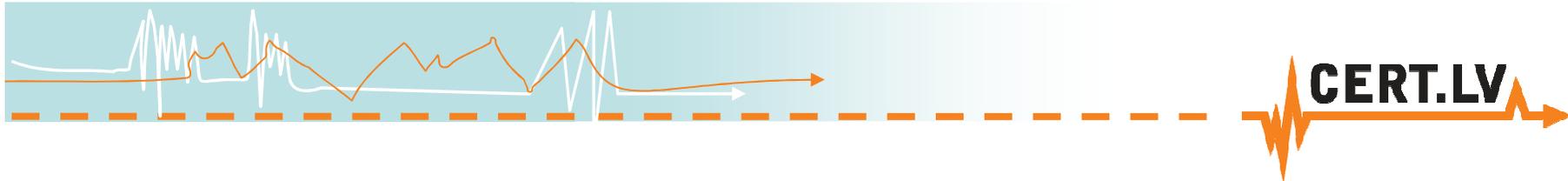   - Cooperation with CERT.LV
   - Consultations

* Individual for each state or municipal institution
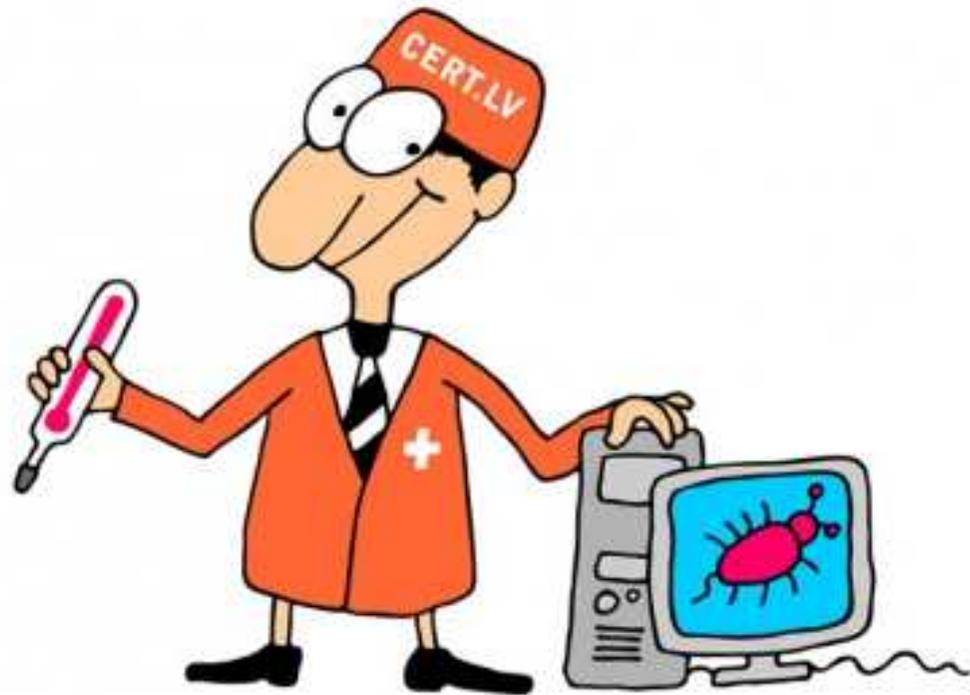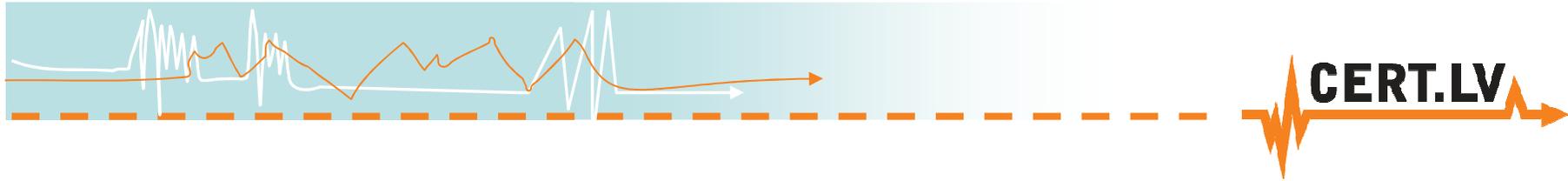
Computerologist

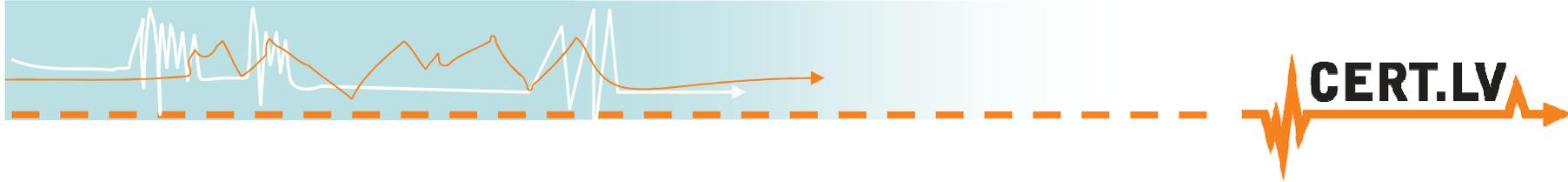# Computerologist (Datorologs) – doctor for end user PC

Computerologist

• Was born on March 27, 2012
• CERT.LV "employee"
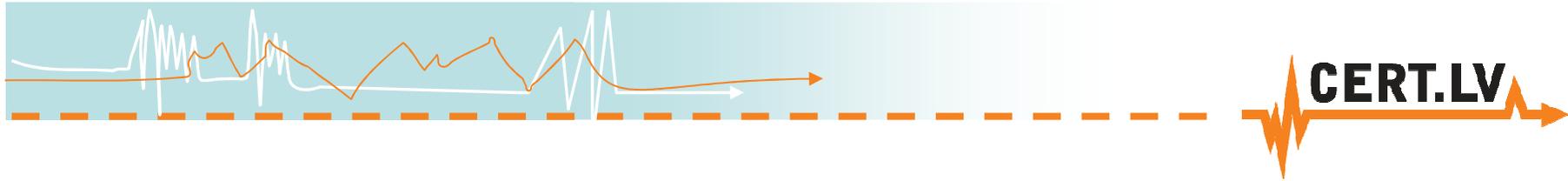• Has cleaned up to 100 end user PC's

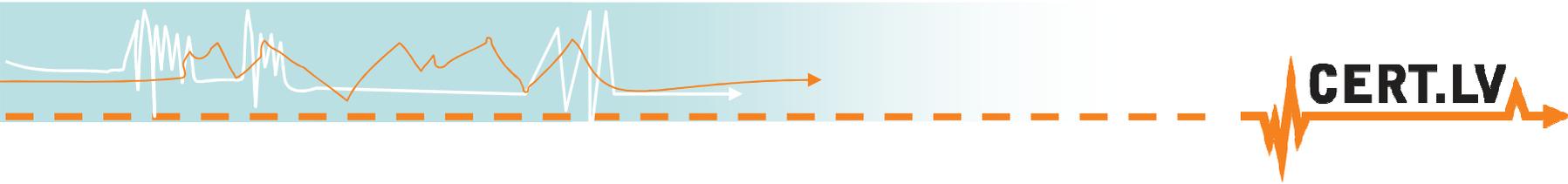# **Target audiences**

CERT.LV target audiences

- Responsible persons of state and municipal institutions
- Responsible persons of Internet service providers
- State and municipal institutions employees
- Information programme teachers at schools
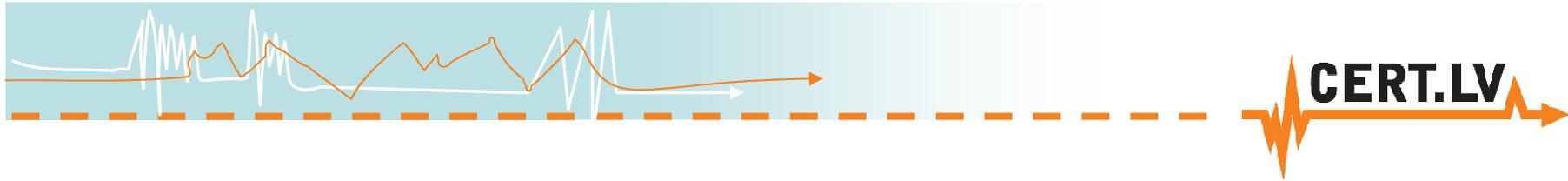- Judges
- Students, pupils
- Society at large

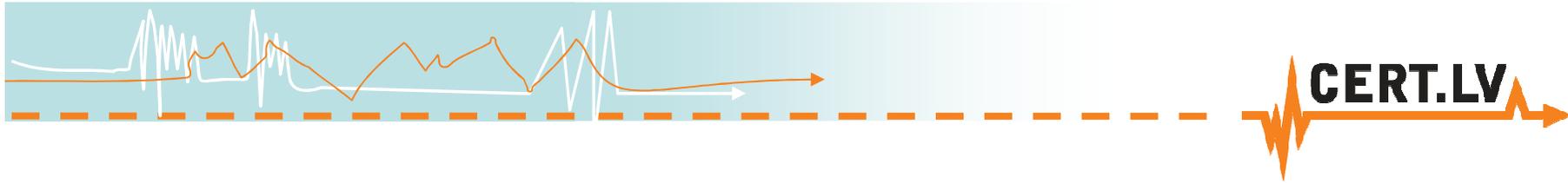# Statistics

Statistics - number of persons educated

Number of persons

Summary

Summary

- Information security education programme is implemented successfully

- More than 800 employees participated in CERT.LV managed seminars in state and municipal institutions

- Responsible have persons made 5 different (individual) clones of ISEP

- > 100 participants in each of 5 seminars "Be Safe"

- "Computerologist" – new "employee" of CERT.LV

Thank you!

http://www.cert.lv/
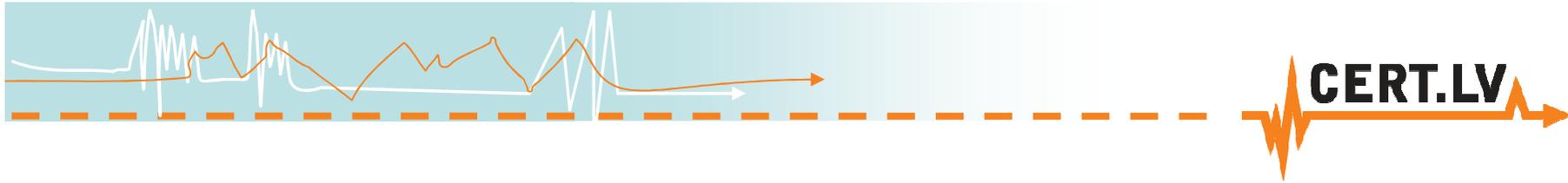
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