



# Slovak Innovation and Energy agency

DanuP-2-Gas 2nd stakeholder meeting March 3rd 2021

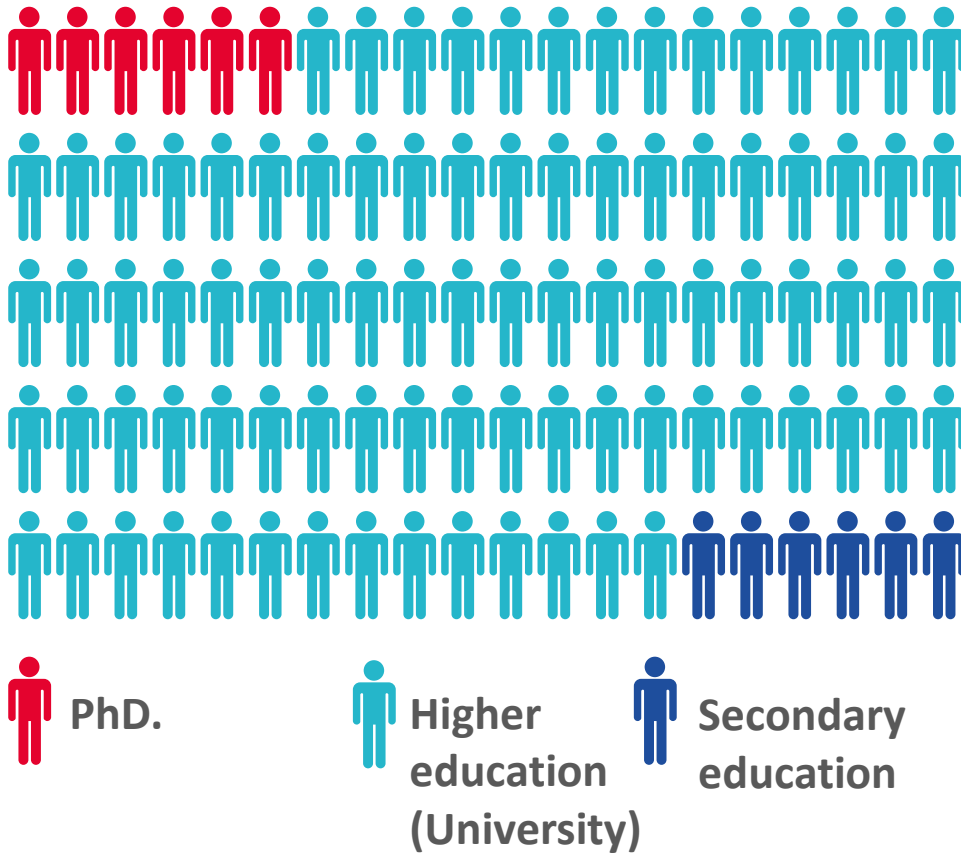
## Competences over the years

### 68 years

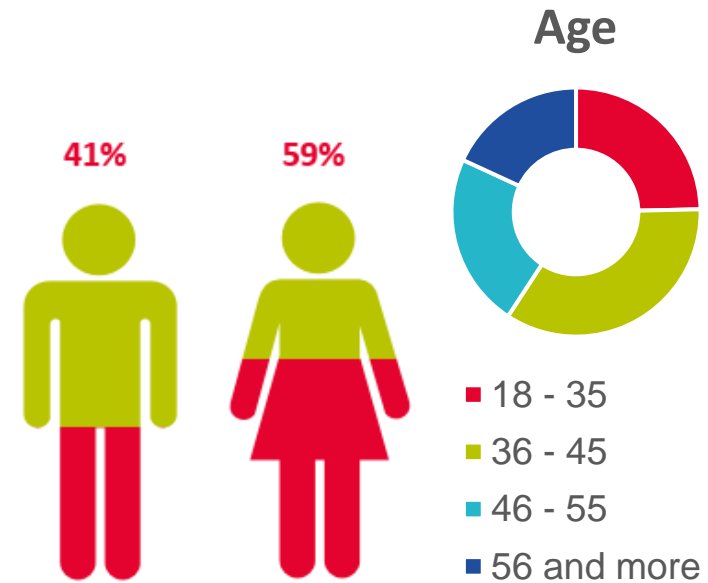
- 1952** ● Establishment of **State energy inspection** in Prague
- 1993** ● Detachment as **Slovak energy inspection– Energy agency**
- 1999** ● Independent institution **Slovak energy agency**
- 2004** ● **Implementing agency of structural funds**
- 2007** ● **Slovak innovation and energy agency** – change of name and new tasks related to support for increasing the innovative performance of enterprises
- 2014** ● Only implementation agency of Ministry of Economy
- 2015** ● Technology Agency in accordance with the Research and Innovation Strategy for Intelligent Specialization of the Slovak Republic
- 2016** ● National Agency for the **Bohunice Program** dealing with the **decommissioning of two units** of the V1 nuclear power plant in Jaslovské Bohunice

# Who we are

## Education



# 353 Employees



## Where can you find us

### SIEA offices in regions



## Main tasks in energy and our mission

- Preparation of supporting documents for **energy legislation**, for **strategic** and **programming documents in energy** and for financing projects that contribute to the fulfillment of the objectives of the Integrated National Energy and Climate Plan;
- **Monitoring and evaluation** of energy efficiency and use of renewable energy sources in the Slovak Republic;
- **Training and examinations** of energy specialists;
- **Projects and support programs**
  - National project Green for households II
  - National project Live by Energy
  - National project Extension of energy efficiency monitoring
  - National project Expertise in energy
  - Technical assistance for guaranteed energy services in the public sector
  - International projects

## Main tasks in energy and our mission

- **Support Ministry of Economy and Slovakia's Competitiveness Increase**

**Executive arm** supporting the Ministry of Economy in legislative and operational topics; **Management of SF** improving competitiveness of the national economy – infrastructure, technology, processes, energy efficiency, RES, supporting innovative solutions and implementing the tasks of strategy for smart specialization....

- **Inform**

**Building awareness** about energy efficiency, RES, innovations.....

## Section of innovations and international cooperation

### PROGRAMMES OF ME SR

**SK-IL:** In the years 2017 - 2019, supported three ambitious joint projects focused on environmental protection using highly innovative technologies

**Electromobility:**

- 88 applications for charging stations construction
- 668 applications for subsidies for purchase of electric car

### ASSESSMENT OF INVESTMENT PROJECTS

In the last 3 years, we have prepared for the Ministry of Economy of the Slovak Republic **60 assessments** of investment projects in the total volume of investments of more than **210 mil. €** and **6,700 new jobs**.

### SUPPORT OF CLUSTERS

Cluster certification. Since 2017, there are a total of **16 industrial clusters** and another **10 are ready this year**.

As part of this activity, we actively participated in the creation of the cluster for I4.0

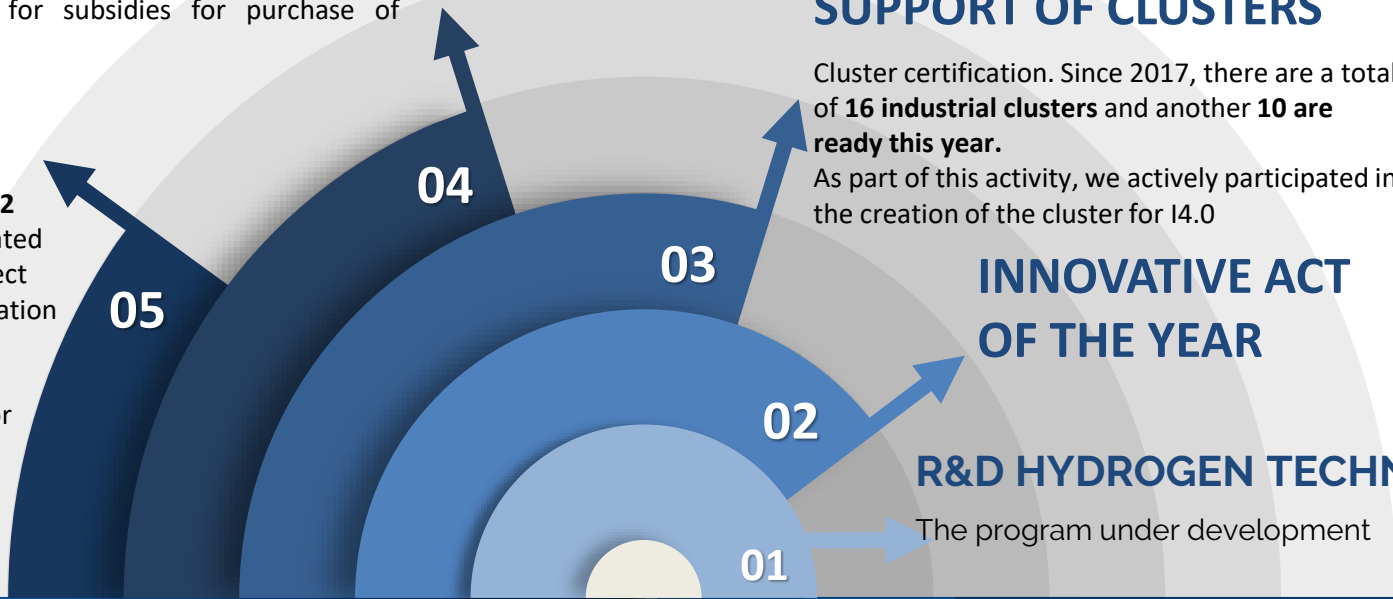
### INNOVATIVE ACT OF THE YEAR

### R&D HYDROGEN TECHNOLOGIES

The program under development

### ANALYZES

Since 2017, more than **12 analyzes** have been created within the national project ZIVSE (Increase of innovation performance of Slovak economy), **export performance analysis** for ME SR, **mapping of innovation potential** of Slovak regions



## Hydrogen in Slovakia

- **Priority of Ministry of Economy in low carbon fuels**
- **SIEA in cluster with National hydrogen association**
- **Hydrogen strategy** – in final stage, SIEA participation
- **IPCEI** – call by the end of January 2021, 32 projects (CR 11, PL 29), 15 recommended to EC
  - R&D&I projects
  - Projects comprising industrial deployment
  - Infrastructural projects
- Hydrogen technologies and innovations are main topic for Slovakia to be presented on EXPO in Dubai – Hydrogen bus produced in Slovakia



## Section of innovations and international cooperation

### NETWORKING

**EnR** – network of european energy agencies  
**TAFIE** – network of european innovation agencies, **SIEA presidency 2021**  
**International activities** – sharing of know-how in countries as Ukraine, Serbia, Moldova, Kazakhstan in field of EE, RES and innovations

### HORIZON 2020 INTERREG

**SHREC** – ClusterFY  
**CA RESIII** – **Odysee-Mure** –  
**Leap4SME** – **CraftEdu**  
*Biomass for Business* –  
*Biomass Policy* – *Start-2-Act* –  
*Together* – *EMMA* –  
*StavEdu...*

### V4 ACTIVITIES

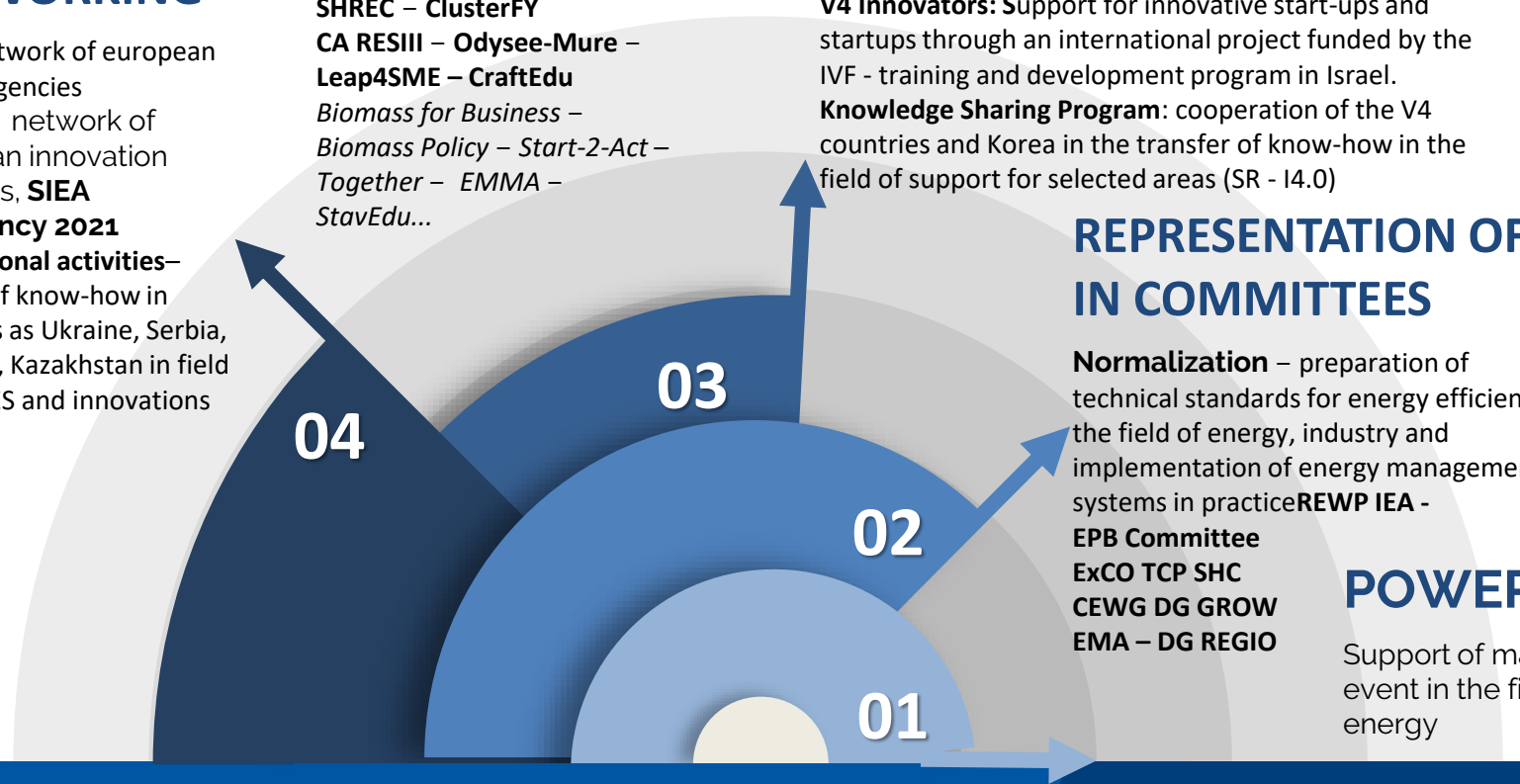
**V4 Innovators:** Support for innovative start-ups and startups through an international project funded by the IVF - training and development program in Israel.  
**Knowledge Sharing Program:** cooperation of the V4 countries and Korea in the transfer of know-how in the field of support for selected areas (SR - I4.0)

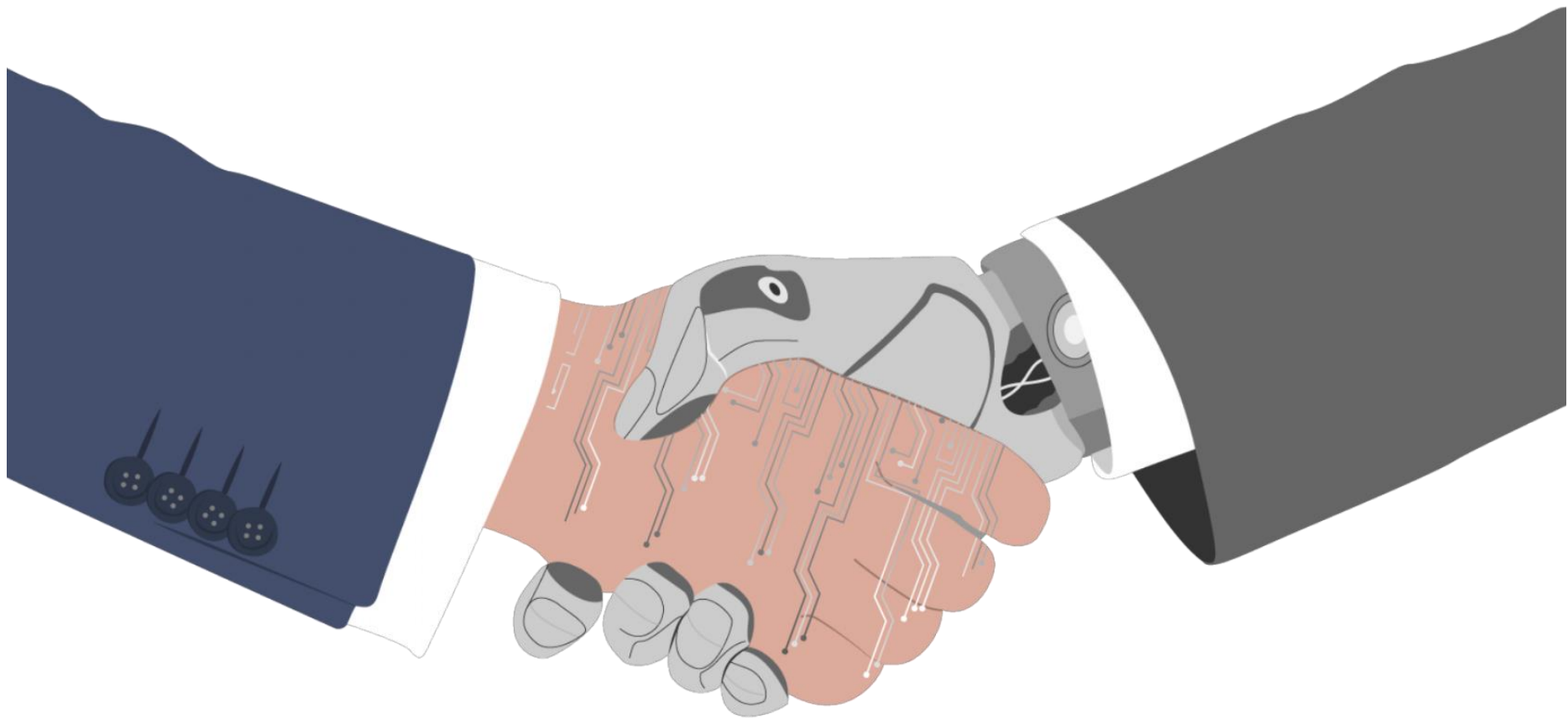
### REPRESENTATION OF SR IN COMMITTEES

**Normalization** – preparation of technical standards for energy efficiency in the field of energy, industry and implementation of energy management systems in practice  
**REWP IEA - EPB Committee**  
**ExCO TCP SHC**  
**CEWG DG GROW**  
**EMA – DG REGIO**

### POWER UP!

Support of major start-up event in the field of energy







European Union  
European Regional  
Development Fund

# SHifting towards Renewable Energy for Transition to Low Carbon Energy - SHREC

March 3rd, 2021

DanuP-2Gas 2nd regular stakeholder and SC  
meeting

**Stanislav Laktiš**

**Slovak Innovation and Energy agency**

# SHREC Strategic objective

*is to improve regional and national policies increasing the share of energy from renewable sources in the overall energy mix and encouraging and facilitating the production and use of renewables by businesses, communities and households aiming at less carbon intensive energy future*

*Green Solutions  
for Everyone:  
..to Use and  
Produce..*



# SHREC sub-objectives

- *to encourage **business investments** into renewable energy and new innovative technologies in order to move to more sustainable, low-carbon alternative energy*
- *to increase **involvement of energy consumers** as active players through demand response, self-consumption or storage in wider use of renewable energy*
- *to increase the **awareness** among households, business and public actors of the need and opportunities to use renewable energy as the low-carbon alternative energy*



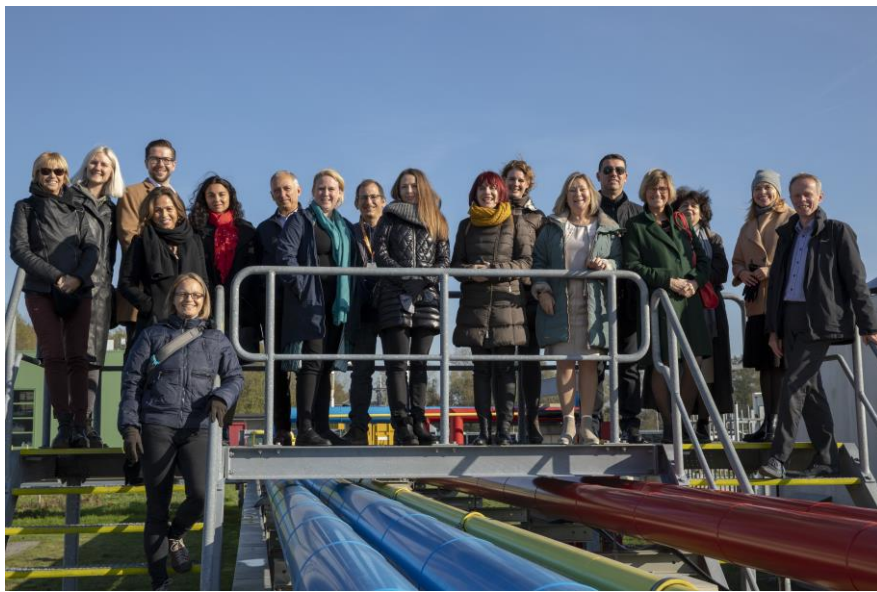
# SHREC Partnership

1. Hanze University of Applied Sciences, NL
2. Slovakian Innovation and Energy Agency SIEA, SK
3. Vilnius Gediminas Technical University, LT
4. South Muntenia Regional Development Agency, RO
5. Piemonte Region, IT
6. Mondragon City Council, ES
7. Auvergne Rhône-Alpes Energy Environment Agency (AURA-EE), FR
8. Mid Sweden University, SE



# Kick off September 2019 Groningen, NL

<https://www.youtube.com/watch?v=QBTqiClkxQY>



## 2<sup>nd</sup> meeting September 2020 Middle Norrlands Sweden



- 300,000 tonnes/year
- 2 technologies
- 20 % of the energy
- Permitting process ongoing





# 3rd meeting October 2020 Slovakia

# 4th meeting January 2021 Piemonte, Italy

# 5th meeting June 10th 2021 Romania



# International SG meeting 25th January 2021 Lithuania, Sweden and Slovakia

The screenshot displays a Zoom meeting interface with six participants in the top bar: Eglė Girdzjausk..., karin nygard-sk..., Vytas, Hans-Erik Nilsson, Haroldas N., and Lina Bakšienė Vil... The main content is a hand-drawn diagram on a white background. It features a central black line representing a power line with several vertical branches. To the left, a cluster of orange houses is circled in green, with a label '200 kWp' and '3,5% - 7kWp' pointing to it. Below this cluster are two teal cylinders, one labeled '18 kWh'. To the right, a blue house is connected to the main line, and below it is an orange house. The bottom of the screen shows Zoom controls: Stop Video, Security, Participants (42), Chat, Share Screen, Record, and Reactions.

**Thank you!**

**Questions are welcome**

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Find more about SHREC project:

[www.interregeurope.eu/shrec](http://www.interregeurope.eu/shrec)

[www.facebook.com/shrecproject](https://www.facebook.com/shrecproject)

[www.twitter.com/SHRECproject](https://www.twitter.com/SHRECproject)