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Project title: **Certification of Welding Coordinators Related with LLP**

Project acronym: **WELDING** coordination

Project's logotype:



**Darjo ZULJAN,**  
**Welding Institute,**  
**Ptujska cesta 19,**  
**1000 Ljubljana**  
**SLOVENIA**



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National Agency : **SI1 LLP (CMEPIUS) <http://www.cmepius.si/>**

Programme: **Lifelong learning programme**

Sub-programme: **Leonardo da Vinci**

Action: **Transfer of innovation**





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Certification of Welding Coordinators



CMEPIUS  
Center za mobilnost  
in evropska programe  
izobraževanja in  
usposabljanja



### Project Partners:

Welding institute,  
Ljubljana  
SLOVENIA

<http://www.i-var-si>

VUZ-PI SR  
Welding Institute,  
Bratislava  
SLOVAKIA

<http://www.vuz.sk>

EFW - European Federation for  
Welding, Joining and Cutting,  
Lisboan  
PORTUGAL

<http://www.efw.be>



VÝSKUMNÝ ÚSTAV ZVÁRAČSKÝ  
PRIEMYSELNÝ INŠTITÚT SR  
WELDING RESEARCH INSTITUTE - INDUSTRIAL INSTITUTE OF SR





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## Aims of the project:

- to introduce, in Slovenian metal-working industry, an internationally recognized certification system for welding coordinators and
- run the lifelong education of personnel managing the welding production.
- On the basis of Slovakian VUZ-PI SR and Portugal EWF experience we wish to improve the system and add new contents encouraging welding personnel to lifelong learning programme in the field of welding engineering.



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## Activities of the project:

- Analysis of the state of certification in Europe
- Elaboration of the Manual and operating procedures for certification
- Training of personnel to perform certification (in workshop)
- Project Dissemination
- Preparation pilot seminar for certification
- Certification
- Preparation of a European guideline for lifelong learning of welding coordinators



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- Presentation of lifelong education to the Slovenian metal-working industry
- Organization of a seminar for coordinators in Slovenia
- Organization of a pilot certification in Slovenia
- Pilot certification
- Pilot seminars



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## Impact:

- Slovenia will participate in the international certification system.
- The first certificates are to be issued in 2011. Certification will be continued to issue 250 certificates in the next five years.
- In Slovenia a system of lifelong learning of welding coordinators is to be established.
- improvements shall be transferred into the area of Europe.



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## Work plan

The work on the project will be performed in two phases.

### Phase 1

- Prepare all necessary for the introduction of the certification system in Slovenia.
- The guidelines and rules will be examined.
- The partner from Slovakian will take care of:
  - make relevant documentation and
  - make insight into the system operation in Slovakia.
  - state-of-the-art analysis and
  - making proposals for possible amendments.



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- The partner from Portugal will take care of:
  - contacts with others already implementing certification,
  - quality, review and approve the documentations elaborated,
  - elaboration of the guideline for lifelong learning of welding coordinators.
- The Welding Institute Ljubljana with partners will elaborate:
  - a Manual for certification,
  - an operating procedure for the performance of certification,
  - the guideline for lifelong learning of welding coordinators.

Phase 2 will prepare certification in Slovenia.

- Dissemination activities will be carried out.



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## Results:

- Instruction for the operation of certification bodies,
- Implementation of the certification procedure,
- Introduction of certification and education into practice,
- Demonstration of the importance of certification for European users,
- Pilot seminar for a selected group of welding engineers from Slovenian metal-working industry and
- Development of the system of lifelong education of welding coordinators



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Project outputs:

The project has presented on www pages:

- [www.i-var.si/raziskave/euprojects/welding-coordination](http://www.i-var.si/raziskave/euprojects/welding-coordination)
- [www.adam-eu.eu](http://www.adam-eu.eu)
- [www.ewf.be](http://www.ewf.be)  
[www.ewf.be/CWC.aspx](http://www.ewf.be/CWC.aspx)
- [www.vuz.sk/?cid=925](http://www.vuz.sk/?cid=925)  
[www.vuz.sk/img/CWC.jpg](http://www.vuz.sk/img/CWC.jpg) - project prospect



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## Dissemination activities:

1. Presentation CWC project on Day of new technologies and welding processes.
  - a. Place: Welding institute, Ljubljana
  - b. Date: December 04, 2009

2. 35th EWF GENERAL ASSEMBLY
  - Presentation of Certification of Welding Coordinators Related with LLP.
  - a. Place: Villepinte
  - b. Date: January 21, 2010
  - Flyer







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**5. New modern technologies used in education and certification of welding personnel,**  
2nd South-East European IIW International Conference  
SOFIJA

**6. Zahteve za kakovost pri talilnem varjenju**  
**Standard ISO 3834**  
**VARILNA TEHNIKA**  
No: 58 – Vol: 2/10  
ISSN 0505-0278





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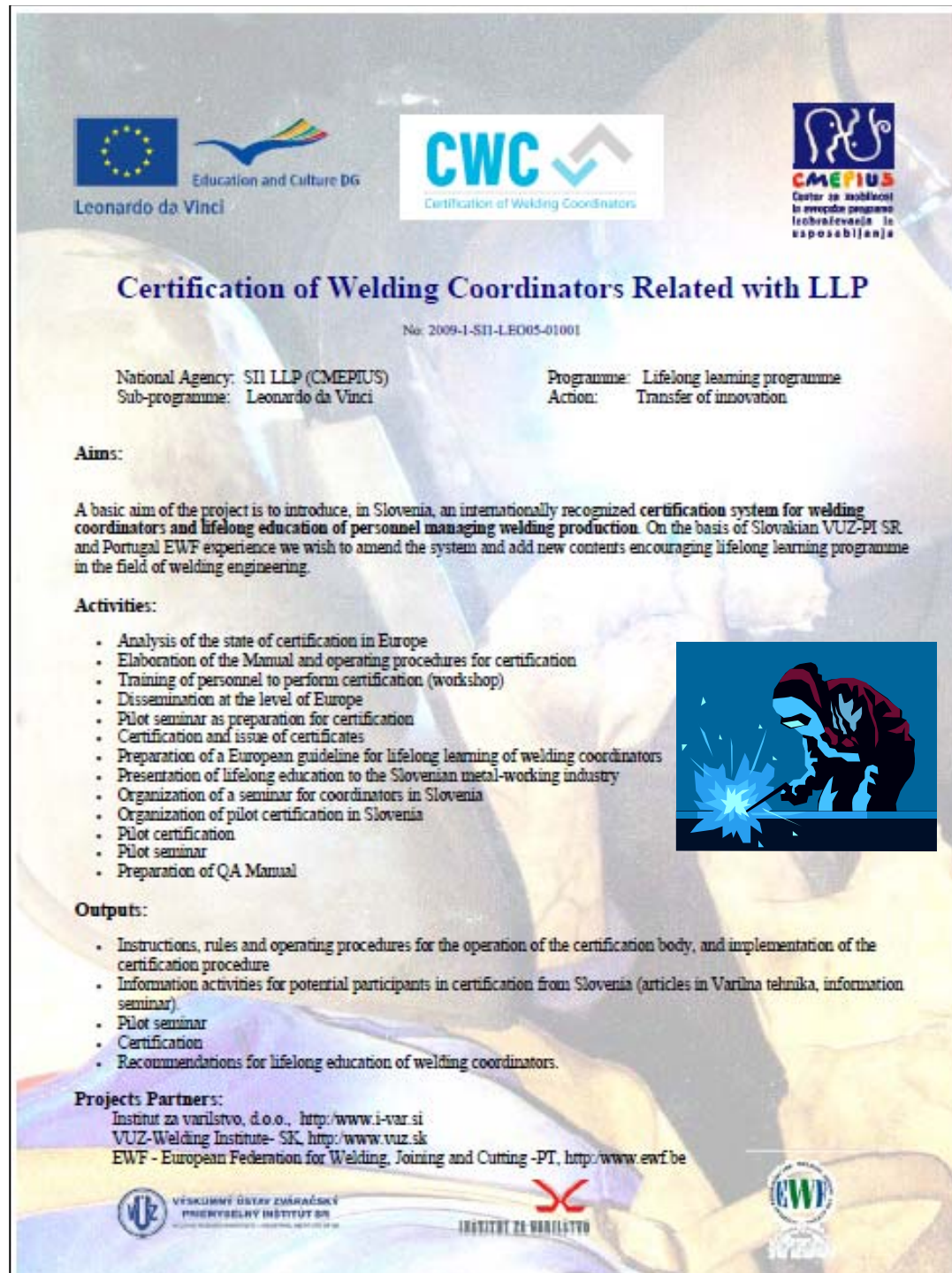
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## Events:


- 1<sup>st</sup> Kick off meeting
  - a. Place: Welding Institute in Ljubljana, SLOVENIJA.
  - b. Date: 17th and 18th of December 2009
  
- 2<sup>nd</sup> Workshop in Bratislava
  - a. Place: VUZ SR Bratislava, SLOVAKIA
  - b. Date: 08th and 09th of March 2010.

# Project Poster:



   
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Certification of Welding Coordinators

  
Center za izboljšanje  
in evropskega programa  
izobraževanja in  
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## Certification of Welding Coordinators Related with LLP

No. 2009-I-SII-LE005-01001


National Agency: SII LLP (CMEPIUS)      Programme: Lifelong learning programme  
Sub-programme: Leonardo da Vinci      Action: Transfer of innovation

**Aims:**

A basic aim of the project is to introduce, in Slovenia, an internationally recognized certification system for welding coordinators and lifelong education of personnel managing welding production. On the basis of Slovakian VUZ-PI SR and Portugal EWF experience we wish to amend the system and add new contents encouraging lifelong learning programme in the field of welding engineering.

**Activities:**




- Analysis of the state of certification in Europe
- Elaboration of the Manual and operating procedures for certification
- Training of personnel to perform certification (workshop)
- Dissemination at the level of Europe
- Pilot seminar as preparation for certification
- Certification and issue of certificates
- Preparation of a European guideline for lifelong learning of welding coordinators
- Presentation of lifelong education to the Slovenian metal-working industry
- Organization of a seminar for coordinators in Slovenia
- Organization of pilot certification in Slovenia
- Pilot certification
- Pilot seminar
- Preparation of QA Manual



**Outputs:**

- Instructions, rules and operating procedures for the operation of the certification body, and implementation of the certification procedure
- Information activities for potential participants in certification from Slovenia (articles in *Varilna tehnika*, information seminar)
- Pilot seminar
- Certification
- Recommendations for lifelong education of welding coordinators.

**Projects Partners:**  
Institut za varilstvo, d.o.o., <http://www.i-var.si>  
VUZ-Welding Institute- SK, <http://www.vuz.sk>  
EWF - European Federation for Welding, Joining and Cutting -PT, <http://www.ewf.be>

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PRÍRODNÝ INŠTITÚT SR  
 INŠTITÚT ZA VARILSTVO  




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## Conclusion

- The systems of certification and lifelong learning will be implemented in Slovenia industry.
- Certification in the first phase will be performed by the Slovenian Welding Society.
- Lifelong learning will be carried out by Welding Institute in Ljubljana.
- Later other organizations may be participating too. Both activities will be funded by users (individuals). They will be spread also to the countries not having those systems yet.