



LEONARDO DA VINCI
TOI

LIFELONG LEARNING PROGRAMME

Leonardo da Vinci

TRANSFER OF INNOVATION

Project number: ES/09/LLP-LdV/TOI/ 149046

**“EUROPEAN TRAINING
PROGRAMME FOR COMPLETING THE
REQUIREMENTS FOR QUALITY
WELDING UNDER STANDARD
SERIES EN-ISO 3834”**

Project Leader:

- SRE-Servicio Regional de Empleo – Consejería de Empleo, Mujer e Inmigración – Comunidad de Madrid – **MADRID- SPAIN**

Partners:

- CESOL - Asociación Española de Soldadura y Tecnologías de Unión, **LEGANÉS (MADRID) – SPAIN.**
- Centro Nacional de Formación Profesional Ocupacional. **CARTAGENA (MURCIA) – SPAIN.**
- EWF – European Federation for Welding, Joining and Cutting. **OREIRAS (LISBOA) – PORTUGAL.**
- TU – Technical University Sofia & BWS – Bulgarian Welding Society. **SOFIA – BULGARIA.**
- ISPL – Instytut Spawalnictwa. **GLIWICE (SLASKIE) – POLAND.**
- ASR – Asociația de Sudură din România. **TIMISOARA (SUS VEST) - ROMANIA**

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LIFELONG LEARNING PROGRAMME 2007-2013

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TRANSFER OF INNOVATION

Project Number: ES/09/LLP- LdV/TOI/149.046

Title: “EUROPEAN TRAINING PROGRAMME FOR COMPLETING THE REQUIREMENTS FOR QUALITY WELDING UNDER STANDARD SERIES EN-ISO 3834”

OBJECTIVE: To harmonize the training of personnel involved in the management and control of welding process in the industrial manufacturers based on standar series EN-ISO 3834 “Quality requirements for fusion welding of metallic materials” in order to define the profiles of this personnel and their training needs.

Duration	:	21 months
Total Project Expenditures	:	225.822 €
Grant from LLP	:	134.489 € (59,56%)
Partner's own funding	:	91.333 €uros (40,44%)

AIM OF THE PROJECT

The main objective of QWS-ISO 3834 is to develop a European Training Program in order to comply the quality requirements for welding activities under the series of standards EN-ISO 3834, by:

1. The implementation of a sectorial study, in the countries involved in the project, based on the specific requirements of EN-ISO 3834 "Quality Requirements for Fusion Welding of Metallic Materials," in order to define the training profiles of staff, who are involved in the management and control of welding processes.
2. The development of a website and teaching materials for use by students and teachers and implanted them in different training systems of vocational training, which have the same contents for all partner countries.

DELIVERS

DELIVERS			
Deliver Nº	DOCUMENT	KIND	DISTRIBUTION
1	Work Methodology	Working Paper	Restricted
2	Style Manual	Final Document	Public
3	Questionnaire	Final Document	Public
4	Sectorial Study	Final Document	Public
5	Didactic Guide and Website	Final Document	Public
6	Study Manuals	Final Document	Public
7	Triptics	Final Document	Public
8	Diseminationn material	Working Paper	Public
9	Monitoring Reports, Intermediate and Final	Report	Restricted

TIME TABLE

DURATION W .P. Work packages	0	6	12	18	21
WP – 1 PROJECT					
WP – 2 SECTORAL STUDY					
WP – 3 OPTIMUM POINT TEACHING GUIDES WEB SITE		4	11		
WP – 4 MANUALS ELABORATION		10			
WP – 5 DISSEMINATION					

WORKPACKAGE 1: PROJECT MANAGEMENT

Leader: SRE

Duration: 21 Months.

GOALS:

1. To develop a document which contain the working methodology that will be followed during the project. This document will be proposed by the manager and agreed by all partners.
2. To develop a procedure in order to get the approval of the different documents that will be generated.
3. Analysis of the successful completion of the project with the direct involvement of all partners, and potential target groups.
4. Establishment of quality management method of the project.
5. To establish the evaluation and monitoring activities.
6. To ensure the quality of the resulting products and their applicability to all target groups.

WORKPACKAGE 2: SECTORIAL ESTUDY

Leader: EWF

Duration: 6 Months.

GOALS:

1. To develop a data collection tool (face to face surveys, post mail or e-mail, Web forums, etc.).
2. To determine the data that should be collected.
3. To identify the people to whom that it is applicable (staff involved in the management and control of welding process in the industrial manufacturers, academic training, occupational training, continuing education, training host companies, companies or professionals imparters, certification bodies, etc.).
4. To know the teaching tools and programs pursued in the training, in reference to EN-ISO 3834 "Quality Requirements for Fusion Welding of Metallic Materials."
5. To compile references (books, standards, manuals, publications, etc.) about EN-ISO 3834.

WORKPACKAGE 3: TO DEFINE THE OPTIMUM POINT AND TO DEVELOP TEACHING GUIDES AND WEBPAGE

Leader: ASR & SER.

Duration: 4 months.

GOALS:

1. Identify the most suitable methods in order to ensure the welding quality (EN-ISO 3834), which are followed by partner countries.
2. To develop a teaching guide for each professional profile.
3. To provide the specifications of the training levels for each professional profile.
4. To collect all elements involved in the teaching / learning (general guidelines, assessment tools, etc.)
5. To develop a web site.

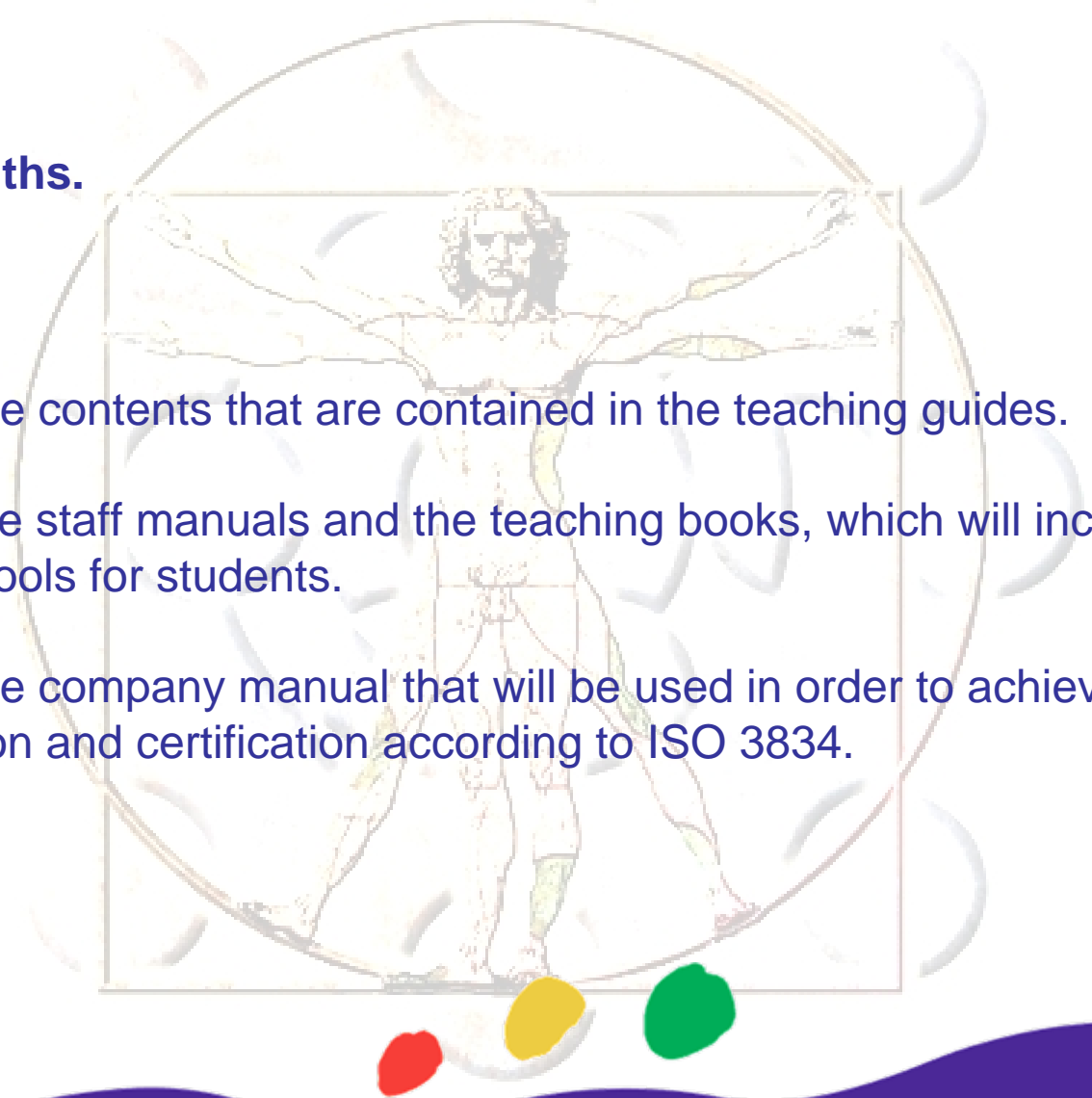
WORKPACKAGE 4: ELABORATION OF STUDY MANUALS

Leader: CESOL.

Duration: 8 months.

GOALS:

1. To develop the contents that are contained in the teaching guides.
2. To prepare the staff manuals and the teaching books, which will include the assessment tools for students.
3. To develop the company manual that will be used in order to achieve the implementation and certification according to ISO 3834.



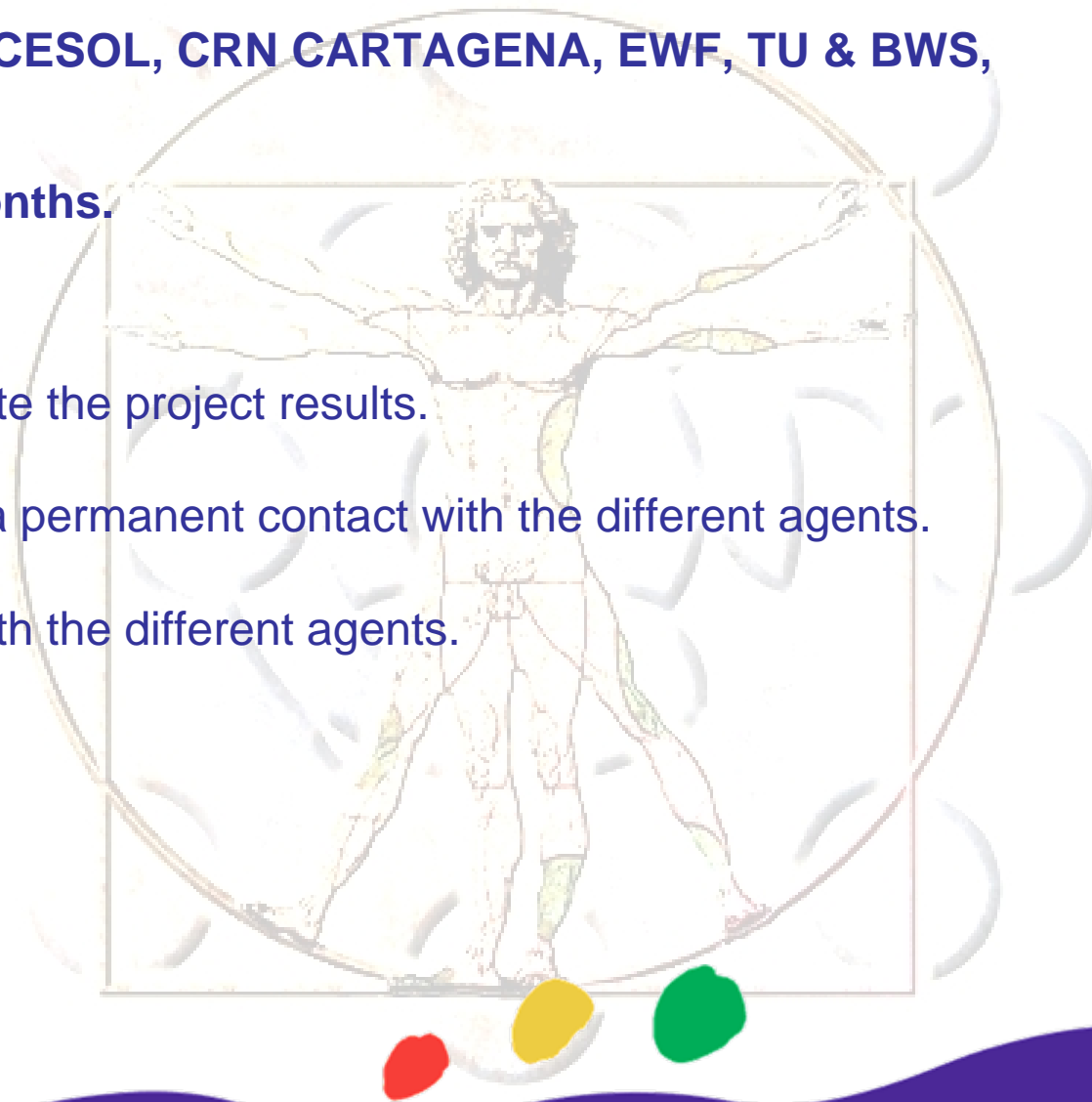
WORKPACKAGE 5: DISSEMINATION OF THE RESULTS

Leader: S.R.E., CESOL, CRN CARTAGENA, EWF, TU & BWS, ISP, ASR.

Duration: 21 months.

GOALS:

1. To disseminate the project results.
2. To establish a permanent contact with the different agents.
3. To interact with the different agents.



EXPECTED RESULTS

Once the project is finished, a prototype experience will be performed in each of the participating countries. This experience will be based on the performance of a specific course using textbooks developed in the project and subsequent checks of the results.

THANK YOU FOR **YOUR** **ATTENTION**



CESOL

**ASOCIACIÓN ESPAÑOLA
DE SOLDADURA Y
TECNOLOGÍAS DE UNIÓN**

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