



INTERMIN

INTERMIN
Madrid Meeting
30th-31th January 2019

**WP4: Developing an international network
of Raw Materials training centres
(Leverage)**





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WP4 General overview

Work package number	WP4	Lead beneficiary	6 - UPM
Work package title	Developing an international network of Raw Materials training centres (Leverage)		
Start month	12	End Month	36

Objective: This WP will define the **scope**, create the **agenda** and investigate **sustainability options** for the long-term operation of a **network** dedicated to international cooperation and knowledge sharing by raw materials training centers.

The Network will capitalize on the work made in the other work packages (especially WP1, WP2 and WP3) to improve the framework conditions and competitiveness of raw materials training and education in the EU and globally.

The aim is to tackle longer-term challenges (as identified under WP2.1.2 and 2.1.3) by means of continued international cooperation and materializing a feasible, long-lasting international network of technical and vocational training centers for raw materials' professionals. This will require the definition of a clear mission, statutes, supporting infrastructure and procedures.



WP4: Description of the work and role of partners

WP4 - Developing an international network of raw materials training centres (Leverage) [Months: 12-36]

UPM, IGME, EGS , BRGM, ASGMI, LPRC, EFG, MUL, CCOP, AGI, UQ, YES Network

- **Task 4.1:** Mission design & positioning (EFG, EGS, BRGM, ASGMI, LPRC, UPM, MUL, CCOP, AGI, UQ, YES)
- **Task 4.2:** Creating and implementing the Network infrastructure (UPM, EGS, BRGM, EFG, MUL)
 - **Task 4.2.1:** Creating the IT infrastructure
 - **Task 4.2.2:** Sustainability Plans
- **Task 4.3:** Setting up and launching the network (EGS, IGME, BRGM, ASGMI, UPM, EFG, MUL, CCOP, AGI, UQ, YES)



WP4: Participation per partner

Partner number and short name	WP4 effort
1. IGME	0.5
2. EGS	1.5
LNEG	0.5
3. BRGM	1
4. ASGMI	1
5. LPRC	0.5
6. UPM	9
7. EFG	2
8. MUL	1
9. CCOP	1
10. AGI	1
11. UQ	1
13. YES Network	1
Total	21

T4.1 Mission design & positioning

(EFG, EGS, BRGM, ASGMI, LPRC, UPM, MUL, CCOP, AGI, UQ, YES)

The European Commission has set up bilateral agreements between the [European Union](#) and some industrialized countries outside Europe focused on academic cooperation and student mobility. The programmes under these agreements give support to consortia of higher education and training institutions working together to improve their educational services, to compare and modernize curricula and to develop joint study programmes with recognition of credits and qualifications.

Tacking advantage from this opportunity the INTERMIN consortium will establish contact with [relevant non EU institutions](#) in order to define common modalities of cooperation mainly directed towards exchange of courses and trainees.

This task will start with the definition of a [mission statement](#) of the Network that will act as a permanent professional body dedicated to raw materials education and training, carefully positioned to complement and work in synergy with other international training programmes in the raw materials sector.



T4.1 Mission design & positioning (cont.)

This task will produce the **Strategic Plan of the International Network** of raw materials training centres (D4.1), that will address:

- Definition of an **overall strategy** for the implementation and operation of the Network, considering its long term view and potentially emerging scenarios that can affect raw materials priorities and professional education;
- Definition of the **Network's mission and goals** (short, medium, long-term), taking into account the overall strategy;
- Definition of the **Network's competitive advantage** compared with other initiatives and training programmes;
- Definition of **collaborative networking strategies**, complementarities and possible shared actions with other international training programmes as identified under WPI.



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Task 4.2 Creating and implementing the Network infrastructure

(UPM, EGS, BRGM, EFG, MUL)

Task 4.2.1 Creating the IT infrastructure

Parallel with the implementation of Task 4.1, the necessary IT infrastructure will be created for the Network, and the user requirements will be specified along with the definition of the Network's mission and goals.

Work then will proceed with the detailed analyses of the specifications and user requirements for the development of user friendly Apps/webtools to be used by the public and the professional communities.

The Repository produced in WPI could be readily integrated and will constitute the basis for the **Network's Online Educational Platform (D4.3)** that will be made accessible using a range of different interfaces (e.g. HTTP GET, OGC WFS) and using appropriate semantics such as INSPIRE Data Specifications.



Task 4.2 Creating and implementing the Network infrastructure (cont.)

Task 4.2.1 Creating the IT infrastructure (Cont.)

The next step is the establishment of an [Information Catalogue](#) that will allow for searching, consulting and downloading the deliverables and the individual components of project deliverables, as well as information produced by external training providers. The catalogue will contain international training providers' metadata, and it will be established as a "distributed catalogue" where all Data Providers can create and modify their own metadata.

Furthermore, the platform will provide [access to all deliverables](#) of the INTERMIN project.

It also contains an external [Geosciences University Program Portal \(GUIDE\)](#), developed and provided to the INTERMIN project and maintained afterwards by the EFG/BDG, which contains standardized in-depth information about curricula of geoscientific BSc and MSc programs relevant for the primary and secondary raw materials sector.

Task 4.2 Creating and implementing the Network infrastructure (Cont.)

Task 4.2.2 Sustainability Plans

This Task will elaborate on sustainability pathways that could be used to keep the international network operational after the EC funded period. The aim is to define a range of financing scenarios and then use the Intermin Project meeting at Month 24 to discuss these scenarios with members of the Advisory Board and to create a **Sustainability Plan (D4.2)** of the training network that will define:

- ✓ Scope and membership structure;
- ✓ Scope of cooperation strategies/agreements between partner training centres;
- ✓ Legal & financial base of cooperation;
- ✓ Design of the network structure and roadmap for implementation.



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Task 4.3 Setting up and launching the network

(EGS, IGME, BRGM, ASGMI, UPM, EFG, MUL, CCOP, AGI, UQ, YES)

Task 4.3 will focus on the establishment of **cooperation agreements** (D4.4) among training stakeholders to expand the network of training centres, and on the development of a governance model and organizational structure for the Network, considering:

- A **Board of Administration**, responsible for ensuring that the Network's mission and vision are respected, and for adapting the Network's strategy as required in response to changes in the macro environment;
- An **Executive Director** supported by a small administrative staff, responsible for the implementation of the actions needed to deliver the Network's strategy, and for collecting and analyzing data related to the Network's performance indicators;
- A **Council of Experts** that will provide insights relevant to the Network's strategy implementation and outcomes, working to terms of reference and work plans agreed with the Board of Administration and the Executive Director.

The governance principles will be defined in the **Sustainability Plan of the International Network** (D4.2).



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WP ID Task ID Deliverable	Work Package Title	leader	Start / month	End / month	ene-19	feb-19	mar-19	abr-19	may-19	jun-19	jul-19	ago-19	sep-19	oct-19	nov-19	dic-19	ene-20	feb-20	mar-20	abr-20	may-20	jun-20	jul-20	ago-20	sep-20	oct-20	nov-20	dic-20	ene-21
					12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
WP4	Developing a international network of training centers (Leverage)	UPM	12	36																									
T4.1	Mission design & positioning	EFG	12	20																									
T4.2	Creating and implementing the Network infrastructure	UPM	12	28																									
T4.3	Setting up and launching the network	EGS	20	36																									
D4.1	Strategic Plan of the international Network	UPM		20																									
D4.2	Sustainability Plan of the international Network	UPM		24																									
D4.3	Online Educational platform for the raw materials sector	UPM		28																									
D4.4	Cooperation agreements	UPM		36																									



WP4: List of deliverables

Deliverable Number	Deliverable Title	Lead beneficiary	Type	Dissemination level	Due Date (in months)
D4.1	Strategic Plan of the international Network	G - UPM	Report	Confidential, only for members of the Consortium (including Commission Services)	20
D.4.2	Sustainability Plan of the international Network	G - UPM	Report	Confidential, only for members of the Consortium (including Commission Services)	24
D 4.3	Online Educational platform for the Network	G - UPM	Websites, patents filling, etc.	Public	28
D 4.4	Cooperation agreements	G - UPM	Report	Public	36