

JUST TRANSITION PLATFORM MEETING COAL REGIONS IN TRANSITION VIRTUAL WEEK

16 - 19 NOVEMBER 2020



ADDRESSING THE EMPLOYMENT AND SKILLS NEEDS FOR A JUST TRANSITION

18 November 2020



Pact for Skills

Working together

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WHY?

- 50 million low-qualified adults
- 70% of companies report that lack of skills hampers their investment
- 15% of business leaders communicate about upskilling initiatives







HOW?



Concrete commitments



JOINING THE PACT

1. Sign up to the Charter and its key principles

2. Translate engagement into concrete commitments

3. Monitor commitments





KEY PRINCIPLES OF THE CHARTER

- 1. Promoting a culture of lifelong learning for all
- 2. Building strong skills partnerships
- 3. Monitoring skills supply/demand and anticipating skills needs
- 4. Working against discrimination and for gender equality and equal opportunities



THE PACT CAN BE IMPLEMENTED BY:

Individual companies or other private or public organisations

Regional or local partnerships

Industrial or cross-sectoral partnerships



SUPPORT UNDER THE PACT

Networking

Knowledge

Guidance

EU funding



ALREADY WITH US

- Automotive
- Microelectronics
- Aerospace and defence













ELECTRICAL CONTRACTORS ASSOCIATION

















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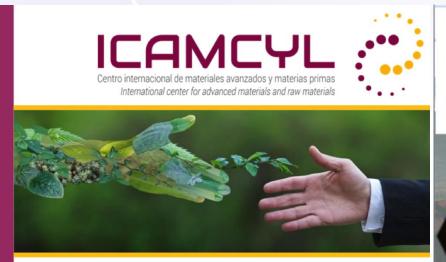


THANK YOU



Clusters and Innovation ecosystems as driving force in recovering territories and employment in the Just Transition

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AXIS A. PROMOTING THE ECOLOGICAL TRANSITION OF ECONOMIC SECTORS

AXIS B. SPECIFIC SUPPORT TO INDUSTRIAL STRATEGIC SECTORS

AXIS C. REDUCING INEQUALITY AND SUPPORTING CONSUMERS

AXIS D. REACTIVATION

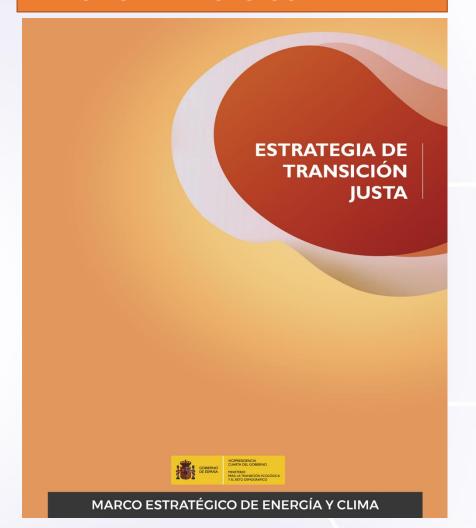
AXIS E. ACTIVE POLICIES ON GREEN EMPLOYMENT AND SOCIAL PROTECTION

AXIS F. PROFESSIONAL GREEN TRAINING

AXIS G. RESEARCH+DEVELOPMENT+INNOVATION PROMOTION

AXIS H. IMPROVING KNOWLEDGE ABOUT THE IMPACT OF THE ECOLOGICAL TRANSITION IN EMPLOYMENT

SPAIN A REFERENCE IN THE JUST TRANSITION METHODOLOGY



Climate change is caused by an energy model based on fossil fuels and, to curb it, it must be radically transformed into one based on energy efficiency, energy from renewable sources and the incorporation of intelligence into energy consumption.

Spain, due to its meteorological and geographical characteristics, is in a privileged position for the development of renewable sources. Its economy is well positioned to take advantage of opportunities from these renewable sources, distribution networks, energy efficiency, rehabilitation of buildings or desalination, it has a business fabric, human resources and specialized and competitive research centers.

The energy transition is based on advances in some main axes such as: energy generation, sustainable mobility and energy efficiency in buildings. There is broad agreement that the transition in power generation is already started and advanced, while in sustainable mobility and rehabilitation it is still in the very early stages. However, each area will require specific transition plans because they must respond to very different economic and institutional realities.

The energy transition must be carried out on the basis of a broad agreement between the agents involved and on the basis of social dialogue.







SPANISH STRATEGY OF THE JUST TRANSITHON

Taking profit of employment opportunities to minimize the impacts

Improving the dialogue

- Sectorial forums
- Cooperation dialogues (recovery)



Improving policy coordination

Professional training



Plan in tools for the Just and Ecologic Transition

Improving knowledge of the impacts.



VICEPRESIDENCIA CUARTA DEL GOBIERNO

MINISTERIO PARA LA TRANSICIÓN ECOLÓGICA Y EL RETO DEMOGRÁFICO





CONVENIOS ACTUALES

URGENT ACTION PLAN



VICEPRESIDENCIA CUARTA DEL GOBIERNO

MINISTERIO PARA LA TRANSICIÓN ECOLÓGICA Y EL RETO DEMOGRÁFICO





FROM LIGHT TO DARKNESS IN LESS **THAN 50 YEARS** Loss of close to 50.000 jobs!!





EMPLEO

Trabajadores en el Régimen Especial la Minería del Carbón





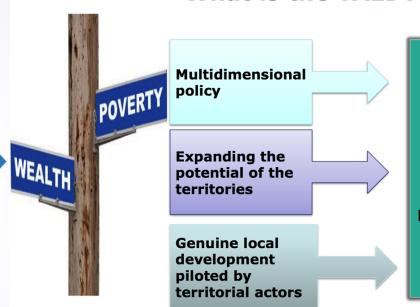


ENDOGENOUS RESOURCES HERITAGE

Territorial approach to local development

REGIONAL SMART SPECIALIZATION

What is the TALD?



Social cohesion

Economic growth

Environmental sustainability



As part of its 'Europe 2020' strategy, the EU has been encouraging regions to develop Smart

Specialisation Strategies(S3) since the beginning of this programming period. The aim is to **direct their investment efforts towards growth-oriented innovation**. As such, it appears as "a valuable tool to tackle the innovation gap, and boost jobs and growth in Europe."

Introduced as an ex-ante conditionality in the 2014-2020 programming period of Cohesion Policy, the **development of smart specialisation strategies is currently a prerequisite to receive funding from the European Regional Development Fund** (ERDF).

Linking the development of S3 to the allocation of ERDF funding has improved the quality of the implementation of these strategies across Europe.

EU investment & development funds

Oriented Innovation
Industrial Innovation
hubs
Creating Innovation

Ecosystems

Improving SMEs competitiveness

Boosting the core EU economical engine

Redefining employment and worker skills



Connecting research and industry "The main goal of a smart specialisation policy is to concentrate resources on the development of those activities that are likely to transform effectively the existing economic structures through R&D and innovation."

Dominique Foray, École Polytechnique Fédérale de Lausanne

Mikel Landabaso of DG Regio, writing in 1993: "..technology cannot be expected to assist in resolving the problems of competiveness unless it functions as part of a system which is institutionally and organizationally capable of adapting to changing demands on a continuous basis" - (Landabaso, 1993)

Our success



Connecting with the regional system and its associated industrial network. Looking abroad for good lessons learnt. Identifying and connecting opportunities at similar ecosystems of innovation



Regional strength

(sectoral and crosssectoral cluster mapping)

European Cluster **Observatory**



(research and innovation policy priorities)



Regional partnerision

(cluster organisations, European Partnerships)

> European Cluster **Collaboration Platform**



Clusters as accelerators for innovation & industrial change









Capacitybuilding

Cluster Excellence **Programme**





role of clusters, digitalisation, access to finance, piloting, and technologies

2. Sustainability of mining

- > circular economy, industrial symbiosis, recoveryreuse, reduce pollutants, and social licensing
- 3. Inter Regional Business Hubs
 - > Potential for public funding/financing of SMEs
- 4. Social and industrial related value chains
 - highly synergetic raw materials value chains
- 5. Value chain elements
 - > digitalisation of the industry (related to the development of the testing centre or the automation of mining





COSME Programme for the Competitiveness of Enterprises and SMEs





CULTURAL HERITAGE

INNOVATION ECOSYSTEMS

RECOVERING MINING COMMUNITIES





Key existing elements:

- Framework for an innovation ecosystem
- Endogenous richness
- Human capital of value
- Collection of SMEs with skills from a former industrial scenario



USE INNOVATION ECOSYSTEM

GIVE THE SMEs through the CLUSTER an INTERNATIONAL DIMENSION

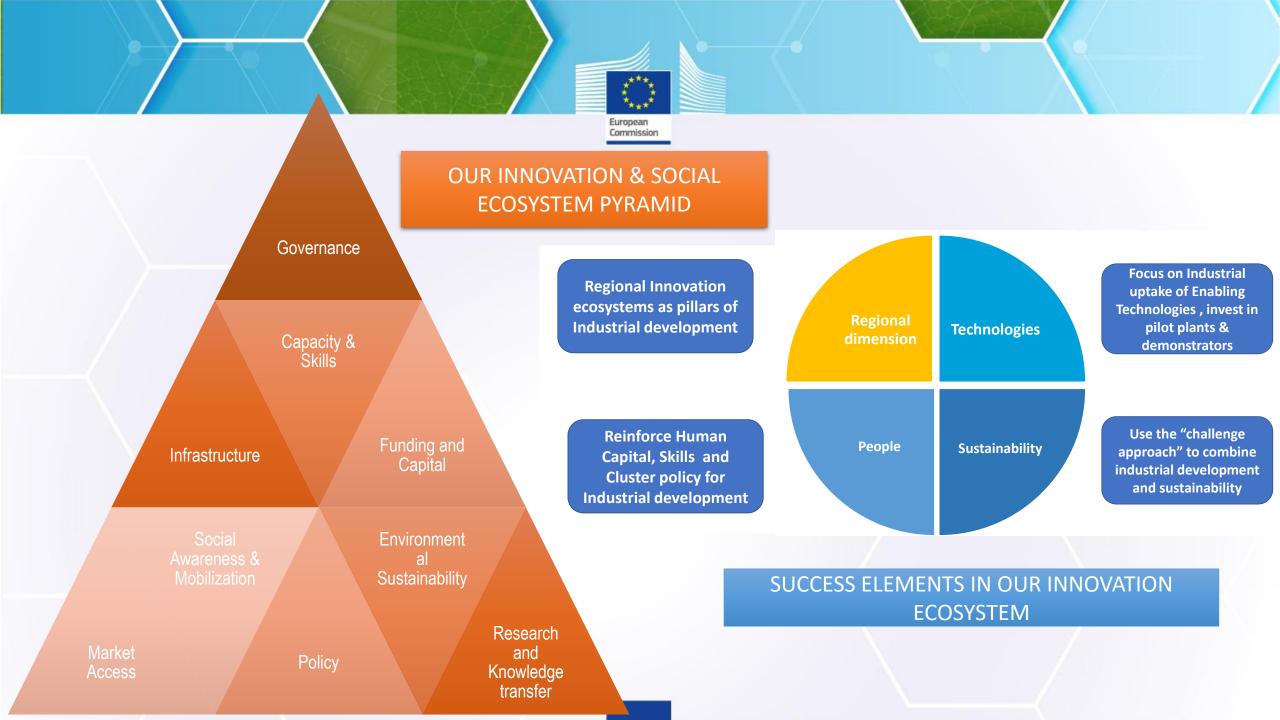


USING INNOVATION ECOSYSTEMS - THE BENEFITS OF THIS SCENARIO

INNOVATION ECOSYSTEMS: Strong innovation ecosystems are needed to profile the region as a hotspot for innovation, to attract industrial investment and to develop the regional economy.

Interregional collaboration and the regional ecosystems will foster European-wide innovations and establish (inter)regional innovation ecosystems. Further, it provides risk snaring by bringing together all stakeholders along the value chain from academia & industry.

Innovations enabled by interregional collaboration and the regional ecosystems will result in reduced costs for technology and hence increased development, and deployment.





Drivers of change

Technological Increased rate of

technolog. change

Geopolitical

nationalization

 Potential resource

Environmental

- Growing concern
- Climate change

Societal

- Higher fairness Democratization
- Generat. change
- Concern for ASM

Geographies

Mining in more remote regions / new frontiers Declining grades

Themes of transition

Principles framing the end-state



Environment/ Fair value & Transparency & Health & development human rights



Supply & Operating Model

- Resource base
- Strategy & operating model
- Technology & innovation
 - People & workforce
- External relationships

Demand (Value chains)

Demand in a Sustainable World 2050

Scenarios on the future of resources

Roadmap/actions

Metals Mining Government Communities Investors Civil Society

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Just transition generates a mix of policies to protect the environment, encourage biodiversity, improve energy efficiency, and reduce reliance on fossil fuels, with the protection of nature and waste management.

'GREEN JOBS'

NEED OF CAPACITATION

TRANSFORMATION
OF JOBS
'TRANSPOSITION'

There is a need of knowledge transfer into training for adoption of new skills. Clusters usually gather the full value chain in one or several sectors, involving providers, adopters and multidisciplinary experts capable of train workers on the new skills.

Clusters as Innovative Business Associations are the correct vehicle for specialized and multidisciplinary training

Renewable resources & Energy. Lowcarbon industry

Environment al protection, resource conservation

Efficiency of resources.
Saving of energy and heat

Sustainable use of nature. Skills to manage natural assets Just transition
GREEN
employment
capacity map

Handling of waste

Recycling

Handling of waste



CHANGING OCCUPATIONS: Existing occupational classifications are being modified thus requesting from the workers different skills or an adaptation

NEWLY EMERGING OCCUPATIONS: Derived from the adoption of Just Transition and Green Deal policies. Deep knowledge of technology is needed

NEW SKILL NEEDS ACROSS OCCUPATIONS: In some areas there is a need of existing skills to be supplemented. Cross fertilization and multidisciplinary training must be the axis of the jobs Just transition

Renewable Energy

New Tourism after restoratior and Cultural heritage

Our main identified driving areas of employment

Forestry / Soil decontamination – Environmental sustainability

Water resources

Biomass

Reuse of mining waste – industrial symbiosis

Digitalization and

Company responsibility



Government responsibility

IMPACTS

Environment Health Safety

Employment

Infrastructure Public services Economic activity

ACTIONS

Mine reclamation Land rehabilitation

Employee retraining
Relocation
Certification

Planning and delivery of services Economic diversification Skills development CLOSURE





Brussels, 3.9.2020 COM(2020) 474 final

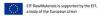
COMMUNICATION FROM THE COMMISSION TO THE EUROPEAN PARLIAMENT, THE COUNCIL, THE EUROPEAN ECONOMIC AND SOCIAL COMMITTEE AND THE COMMITTEE OF THE REGIONS

Critical Raw Materials Resilience: Charting a Path towards greater Security and Sustainability



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Study on the EU's list of **Critical Raw Materials** (2020)

Final Report



Critical Raw Materials for Strategic Technologies and Sectors in the EU

A Foresight Study



Currently -> Towards strategic mining

83 Coal deposits and tailings -> under identification for REE, graphyte amd other strategic minerals

10 Fe / 8 W / 6 Hg / 5 Cu

Others: Pb, Zn, Co, Si, Graphite and Lithium





MINAS ABANDONADAS O EN DESUSO











MINAS EN ACTIVO

Boñar	
Arenero/Mina de Silice	Silice
Barrios de Luna, Los	
Mina Satélites de Miñera	Mercurio
Cistierna	
Cantera de la Jagariz	Caliza
Ercina, La	
Arenero de La Erona	Arenisca
Cantera de Barrillos	Caliza
Lavadero de carbón/Lavadero de Estaban Corxal	Carbón
Fabero	
Poblado de Diego Pérez	Carbón
Mina de carbón de Jaminas/Antracitas de Lillo	Carbón
Ponferrada	
Mina de wolframio de Espinoso de Compludo	Wolframio
Prado de la Guzpeña	
Fábrica de cok de Prado	Carbón
Sabero	
Pozo Herrera I	Carbón
Cantera de caliza de La Herrera	Carbón
Torre del Bierzo	
Lavadero de Viloria	Carbón
Villablino	
Hulleras de Rioscuro o Hijos de Baldomero García	Carbón
Conjunto de la minería del carbón en la Cuenca de Villabli	no Carbón
MINAS CON OTROS USOS	
Boñar	
Fábrica de Talcos/Mina La Respina	Talco
Fabero	
Pozo Julia	Carbón
Lavadero de carbón de Antracitas de Fabero: Pozo Viejo	Carbón
Pozo Viejo Cable alreo de AFSA	Carbón

León = biggest coal and anthracite reserve

in Spain (1.341 million Tn)

Slate: Spain 1st worldwide market, with León covering 33% of national production

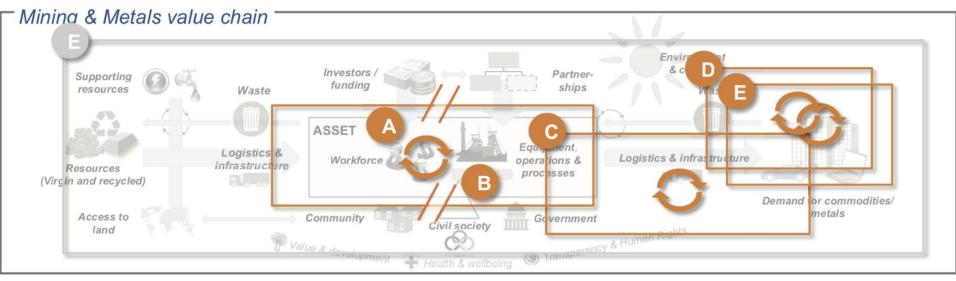
Castilla y Leon has 10% reserves of W of the World!

Biggest Uranium EU reserves in Salamanca (CyL)



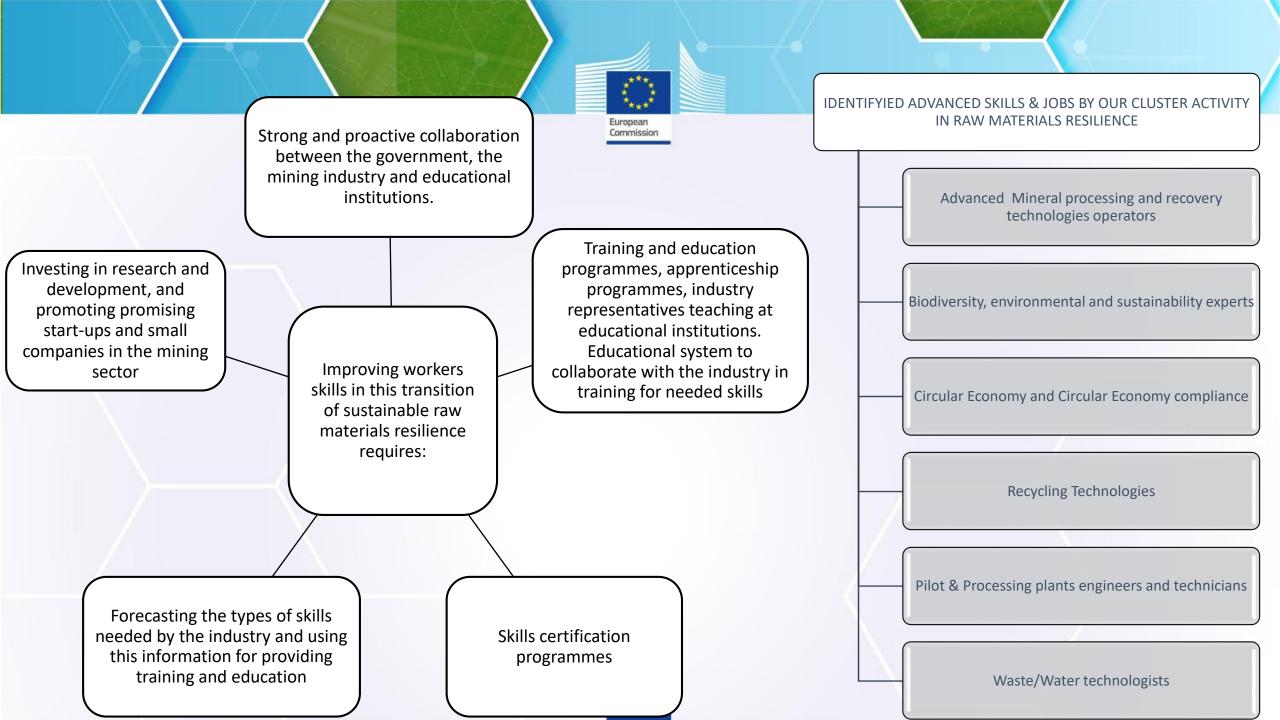






- Waste retreatment
 "Tailings on mine"
- Scrap treatment
 "Home / new scrap in metals production"
- Recycling (from downstream)
- Reuse through redesign¹
 (within downstream)
- Different ownership models (within downstream and x-value chain)

- How will waste be optimized and reused within mine processing
- How will scrap be collected and reused in metal (component and endproduct) production
- Recycling of materials used in end-industry / final products
- Design for reuse of components after end of life of product (instead of recycling); reuse could be within or outside same industry
- Increase of life through different ownership shared economy, leasing, for-use renting or cross-value chain ownership





Thank you for your attention!



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Thank you for your attention



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Presentation by Ludovic Voet, Confederal Secretary at the European Trade Union Confederation (ETUC)