



LA PALMA
RESEARCH
CENTRE

DEFINING FUTURE SKILLS AND COMPETENCIES NEEDS FOR THE RAW MATERIALS SECTOR

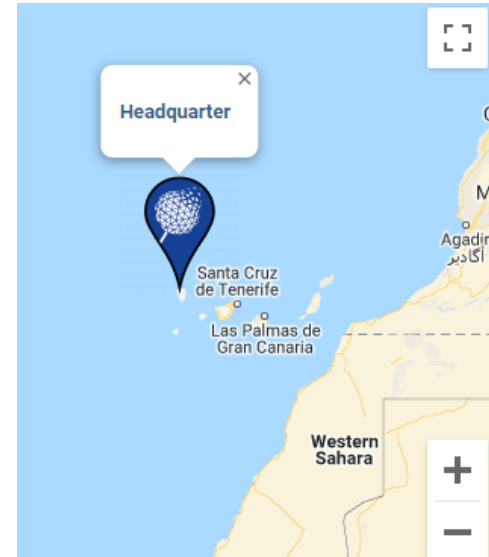
LUÍS LOPES & MÁRCIO TAMEIRÃO

13TH DECEMBER 2022



WHO IS LPRC?

- La Palma Research Centre
- Geoscience-focused institute (SME)
- 8 employees
- Team of young professionals, knowledgeable in the fields of earth sciences, sustainability, science communication and others



La Palma, Canary Islands, Spain



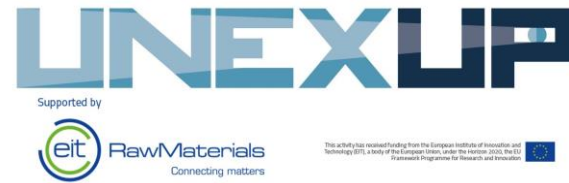
Brussels, Belgium

WHAT DO WE DO?

- Working in Raw materials, Energy, Blue economy & Sustainability topics
- Participation in EU projects
 - Technology transfer and Market uptake
 - Technology foresight
 - Policy analysis and recommendations
 - Science communication & Public engagement



OUR PROJECTS



Market

Policy

Communication

Foresight



OUR ROLE IN TIMREX



Mapping Innovation and
Entrepreneurship skills and
competencies



Contributing to skills development
and provision

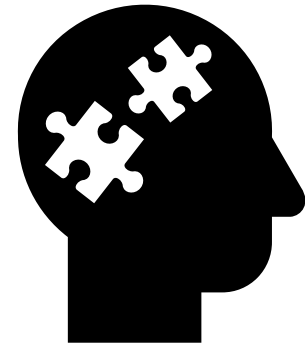


Communication and
Dissemination



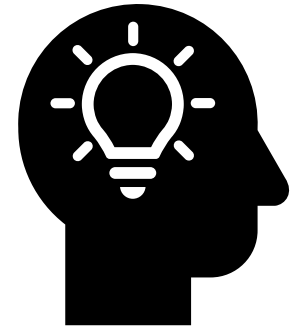
SKILLS AND COMPETENCIES

- **Skills: Specific learned/acquired ability or expertise** through any educational activity.
 - **Hard skills** - technical and quantifiable skills (ex: getting and analysing data)
 - **Soft Skills** - non-technical skills less rooted in specific vocations (ex: oral and verbal communication)
- **Competencies: A collection of related abilities and knowledge that enable a person perform a task and that influence education path and personal life** (ex: networking)



INNOVATION AND ENTREPRENEURSHIP

- **Innovation:** Set of skills and competencies that **contribute to innovative thinking and using innovative geoscientific practices.** The ability to continually search for and use scientific research in practical terms.
- **Entrepreneurship:** Set of skills and competencies that focus on fostering **‘can-do’ attitudes and behaviour,** which is fit for a variety of contexts and challenges in industry, the world of work and society.



HOW CAN WE HELP YOU?

Mapping Innovation and Entrepreneurship skills and competencies

How: Reading material, analysing trends and policies, talking with companies and potential employees

Why: To know what skills are in demand now and will be in the future

Contributing to skills development

How: By readapting the TIMREX curricula to fit skills in demand

Why: To guarantee that TIMREX students have the necessary skills and competencies that can help them in professional and personal life

LPRC: contribute to soft skills under the Social and Civic Internship

Helping students to move towards innovation and entrepreneurship

A FEW EXAMPLES OF SKILLS THAT YOU CAN GET WITH TIMREX



Innovation

- Able to handle and analyze **Big Data** and large datasets, integrating multiple large datasets of different types
- Being aware of **emerging techniques and technologies for mineral exploration and extraction (industry and research awareness)**



Entrepreneurship

- Recognizing **new business opportunities and development into new products and services**
- Understanding of **'Social License to Operate'**, how to implement environmental and social best practices
- **Networking**

TIMREX MEANS TO GET SKILLS AND COMPETENCIES

- Fieldwork & TIMREX Summer School
- Internships with mineral exploration & technology companies
- Webinars and talks made by research and industry
- Networking events with industry experts
- Mentoring
- ...



Thank you!

Email: luislopes@lapalmaresearch.eu

Website: www.lapalmacentre.eu

Social media: [@lapalmaresearch](https://www.instagram.com/lapalmaresearch)

