



GOBIERNO
DE ESPAÑA

MINISTERIO
DE ECONOMÍA
Y COMPETITIVIDAD



WORKSHOP TRANSPORTE INTELIGENTE, ECOLÓGICO E INTEGRADO

Madrid, 13 de enero 2016

ITRB GROUP

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HISTORY

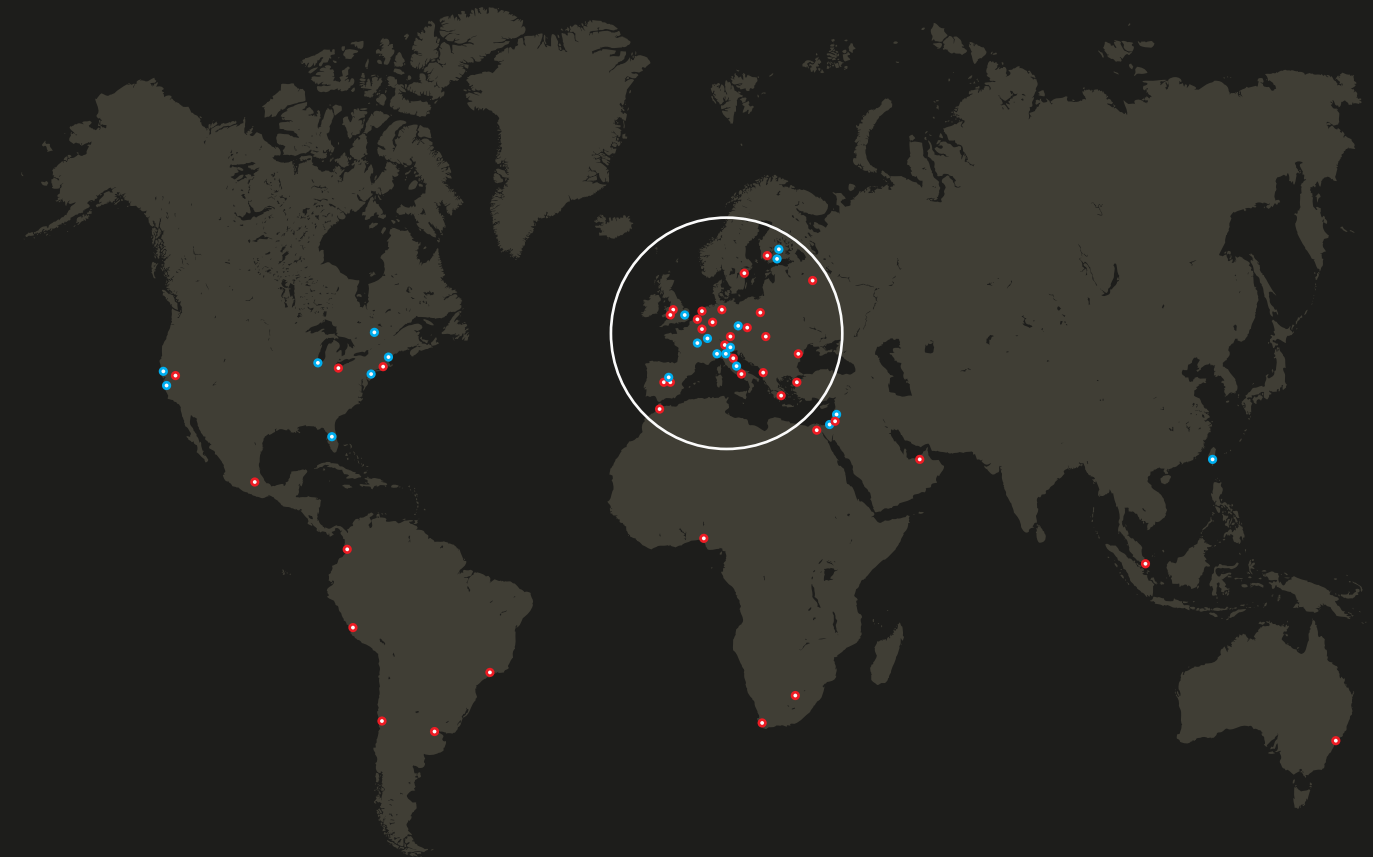
- 2008 ITRB is founded by a group of engineers with an average of over 20 years of professional experience in Aerospace.
- 2012 ITRB 2.0 is launched with the target of boosting R&D content
- 2015 TRB 4.0 is set to cover the entire Product Life-Cycle



GLOBAL PRESENCE

ITRB & SALES FORCE EUROPE establish the TECH HUB

- CLIENTS
- SALES REP
- ITRB SITES



COMMITMENTS 2015

ITRB shows an impressive record of **41%** of Success Rate in Innovation Projects thanks to 3 pillars:

Consortium
Members
Balance

KIM
(Knowledge & Innovation
Management)

Program Management
in Feasibility
and Execution Phase

Following examples of Successful Projects such as

ITRB, together with its partners, decided to launch
3 interconnected Commitments in 2015:



REMART



NEMESIS PROJECT



REMAGHIC



PLIT



REMAXI

THE REMAXI PROJECT

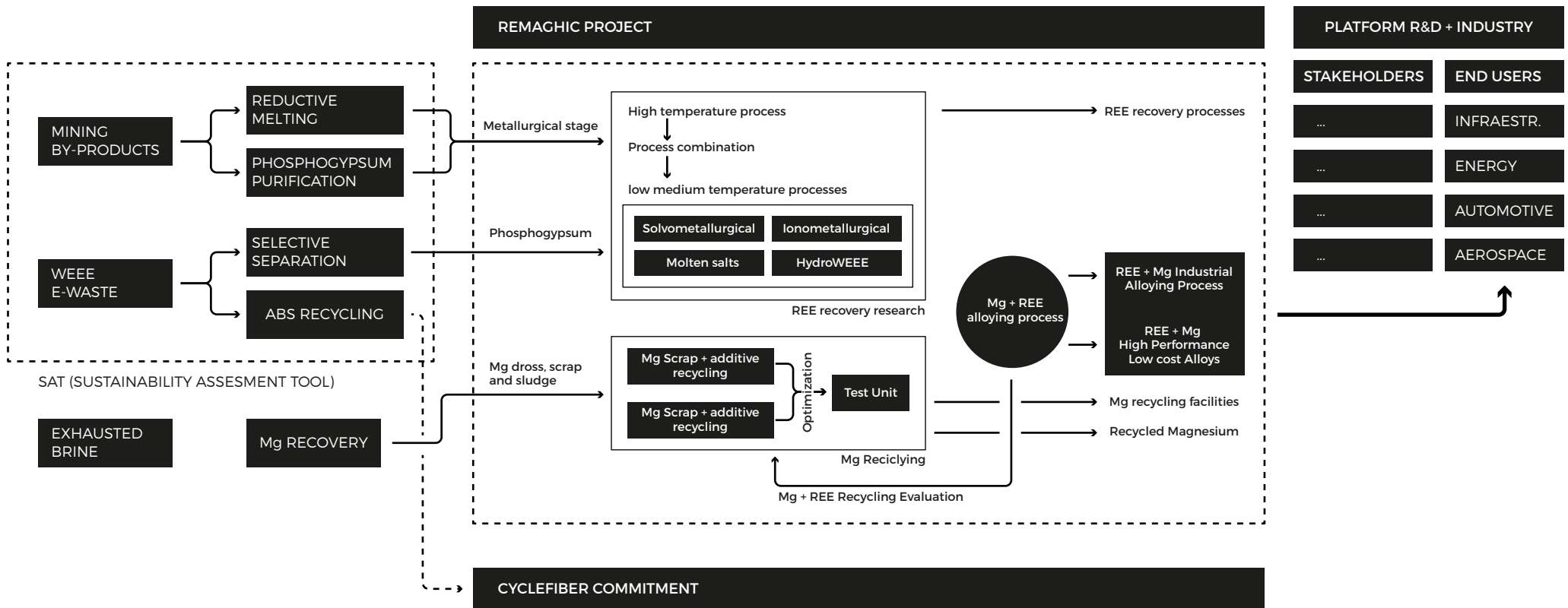
Sustainability of REE and Magnesium Recovery from by-products and WEE to produce RE-Mg Alloys of High Performance and Low Cost through integrated Stakeholder Platform

TARGET

REMAXI will enhance Remaghic, awarded in SPIRE 2015 by expansion upstream and downstream of the Project Life-Cycle. The Main activities include Recovery of REE from Phosphogypsum and WEE.

PARTNERS

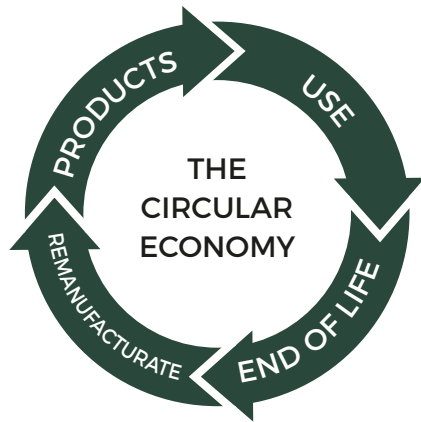
11 Partners
5 European Countries
+ Canada



CYCLEFIBER

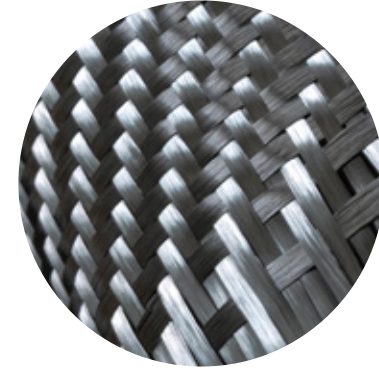
THE CYCLEFIBER PROJECT

Recycle of fiber-based materials as feedstock for moulding processes and large scale 3D printer for Aerospace, automotive, wind energy applications and Natural Graphite Substitution (e.g.: Refractory Blocks).



TARGET

- Recycle CFRP and GFRP resulting from EoL and manufacturing scrap from auto, energy & aero.
- Carbonize recycled paper waste to generate a secondary raw material:
 - to feed 3D Printer for Extra-Large Structures
 - to substitute Natural Graphite.

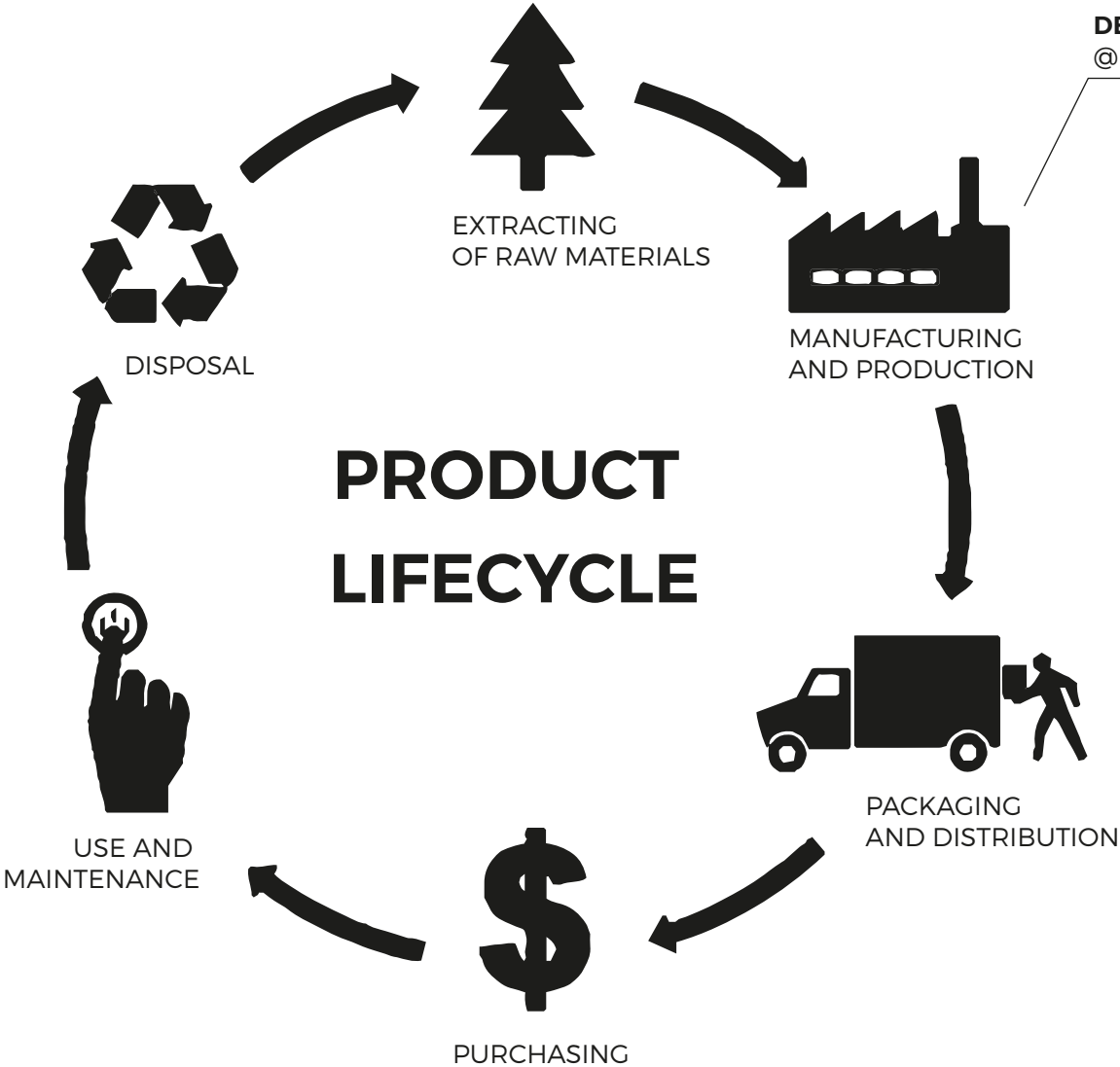
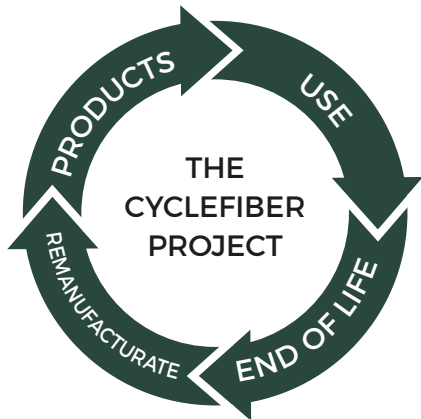


PARTNERS

28 Partners

9 European Countries
+ Canada & USA

UAVIATION



DESIGN FOR LIFE-CYCLE
@ EUROPEAN UNIVERSITY MADRID

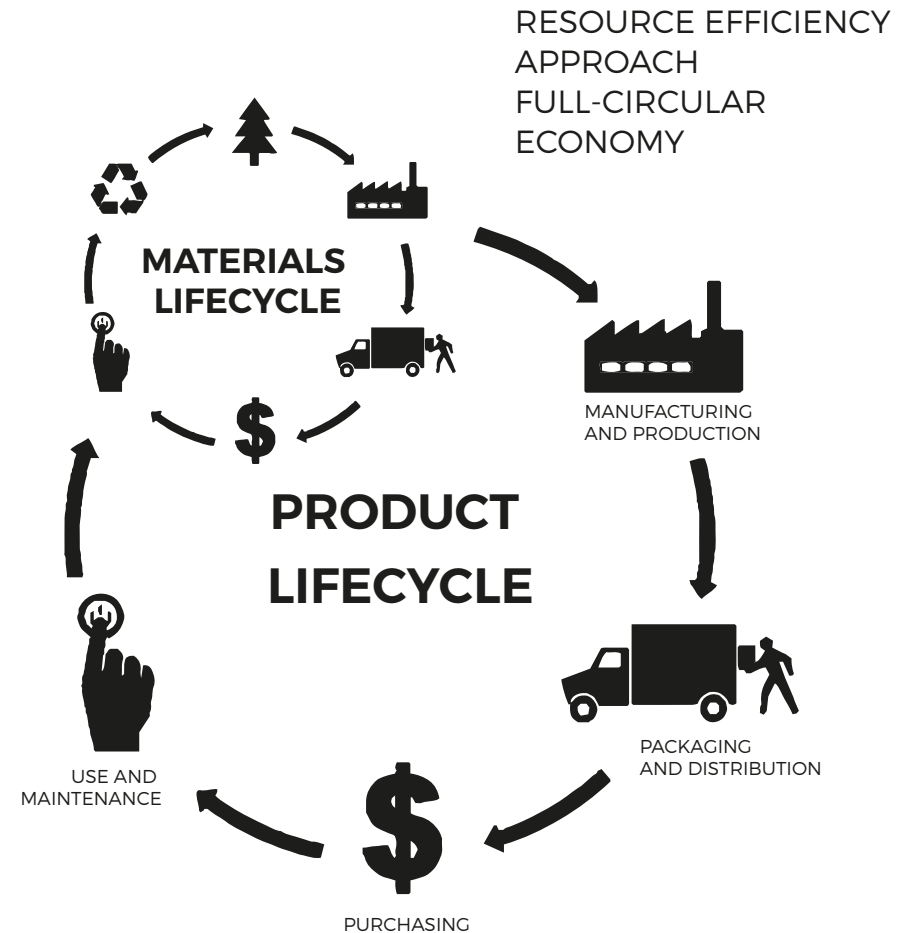
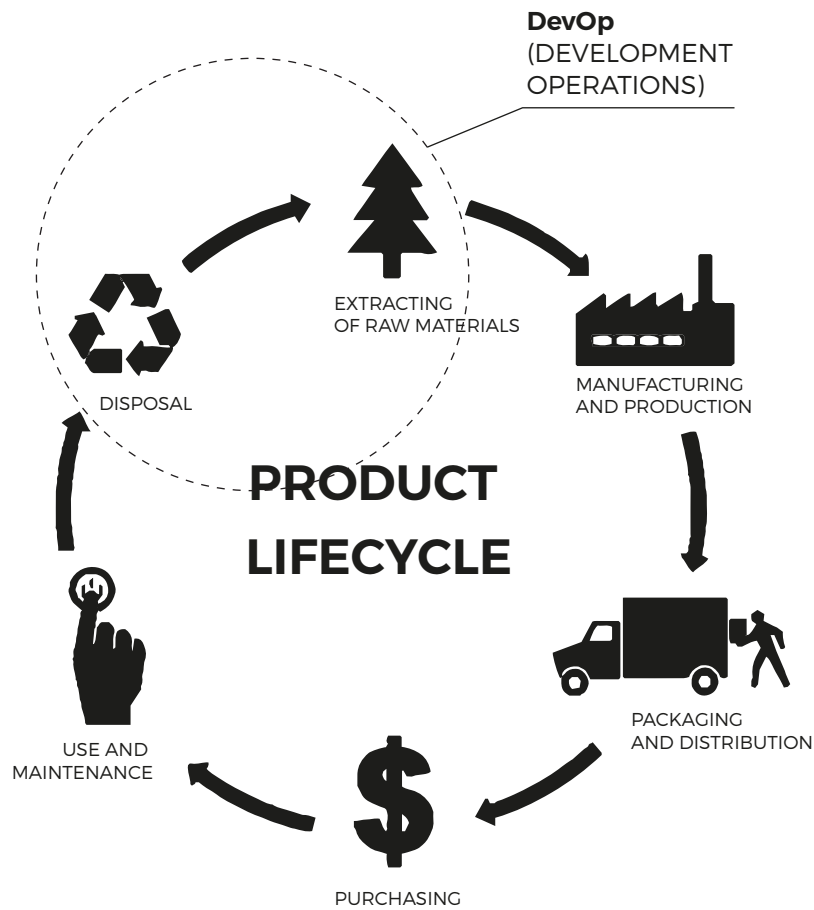
UAVIATION

NEW APPROACH

for Mining Process LifeCycle
based on Knowledge Transfer from
aerospace Product LifeCycle and
ICT DevOp (Development Operations)

TARGETS

- GEO-X
- MONITORING
 - MINING OPS
 - TAILING PIPELINE DAMS



THE UAVIATION PROJECT

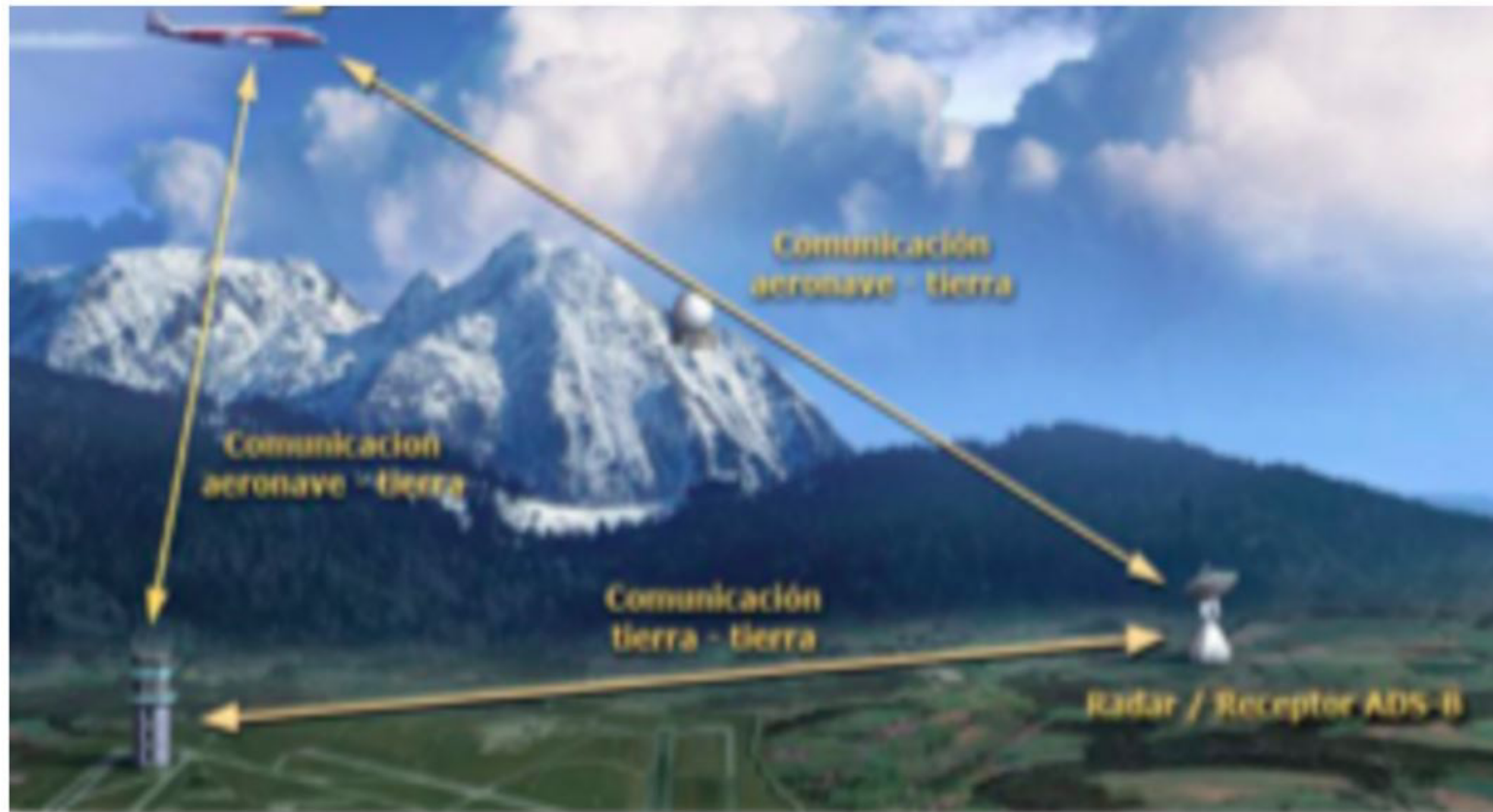
Support to mining, sustainable and safe operations and disaster relief.

TARGETS

- GEO-X
- MONITORING
 - MINING OPS
 - TAILING PIPELINE DAMS
- DISASTER RELIEF

PARTNERS

14 Partners
8 European Countries
+ Canada





THANK YOU

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