

WORKSHOP

“Mining Tailings: New Technologies and Circular Economy”

“Piloting of new technologies for mining tailings and circular economy”



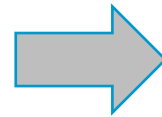
CENTRO NACIONAL
DE PILOTAJE

September 2022





National Center For Mining Technologies Testing is a **Non-profit Corporation** that supports mining suppliers, to **accelerate the introduction of technologies** to the mining market.

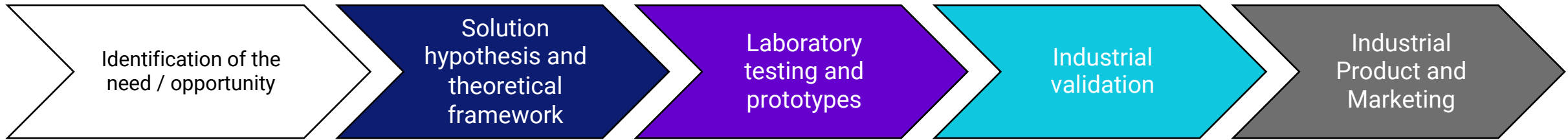


“Access to pilot spaces and create more instances that bring the demand closer to the supply of innovation, are the main actions that suppliers require to innovate in mining.”

Industry need framework

Limited capacity to industrially validate new technologies in mining.

Value chain for the introduction of new technologies and developments.

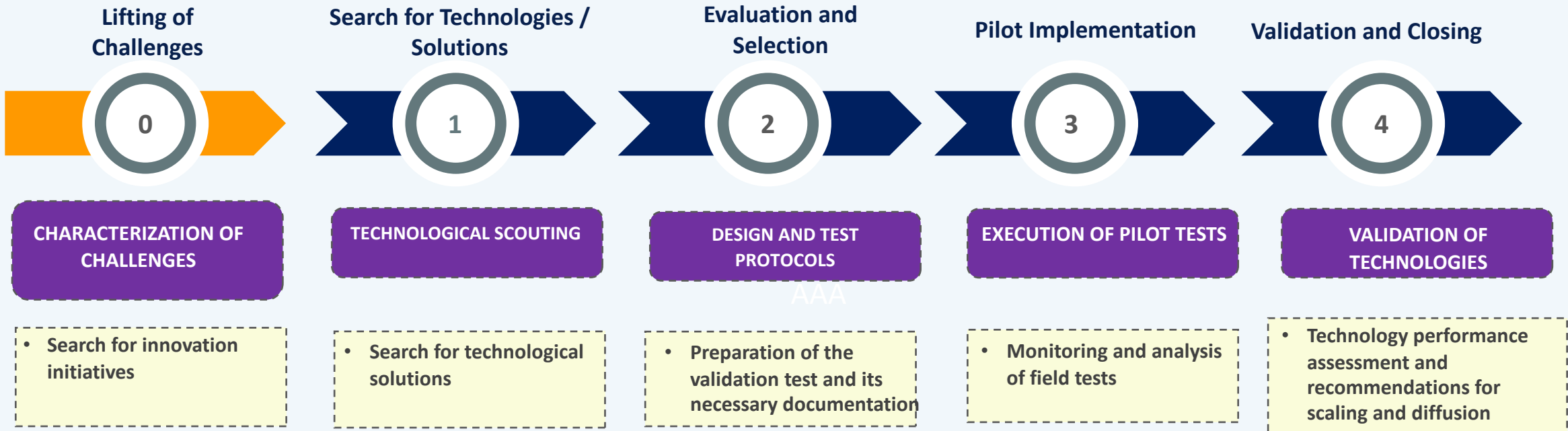


Characterization of the stage	<ul style="list-style-type: none"> • Answers • Hypotesis 	<ul style="list-style-type: none"> • Theories • Assumptions • Requirements • Viability 	<ul style="list-style-type: none"> • Modeling • Validation • Design iteration 	Industry weakness in Chile.	<ul style="list-style-type: none"> • engineering • Construction • Set up • Implementation of the final solution • Industrial adoption • Patent • Scalability
	<ul style="list-style-type: none"> ❖ Fuentes de error en el desarrollo de una solución 	<ul style="list-style-type: none"> • Operators • Providers • Developers • Researchers 	<ul style="list-style-type: none"> • Specialized technology centers • Universities 	<p>CNP</p> <ul style="list-style-type: none"> • Industrial scale validation • Industrial Iteration / Refining • Scalability • Engineering and Commissioning • <u>Standards and protocols.</u> <p>Chile: Operators and providers</p> <p>Foreign: Test mines</p>	
Incumbentes involucrados					

Industrial validation significantly reduces risk

General Model of CNP Services

Expert Professional Advice



CNP – Geopolymers and circular economy

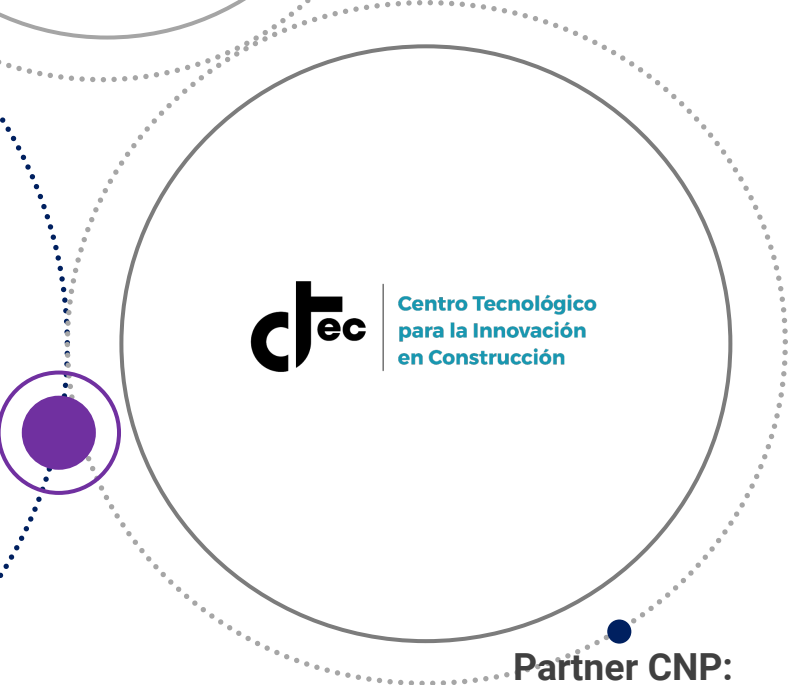
Innovation project:
development of
geopolymers from
tailings



Technological
scouting: capacity
detection - Auxilium
Technology - Circular
Economy



Technological
scouting: capacity
detection - circular
economy companies
and research and
production of
geopolymers



Partner CNP:
specialists in new
materials for
construction

Centro Nacional de Pilotaje de Tecnologías para la Minería

Hendaya 60, Oficina 1102, Las Condes, Santiago
Web: www.pilotaje.cl
contacto@pilotaje.cl;



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