



Xpansiv Registry Solutions

Partnership for Market Implementation Workshop

Cartagena, Colombia
June 25, 2024

VISION

The power of global markets will deliver a world worthy of future generations.

MISSION

An integrated open market platform that accelerates the global energy transition.

Xpansiv | Registries

The leading provider of global environmental registries for more than 20 years

CUSTOMERS

- Government/National Entities
- Standards Body/NGOs
- Corporate
- Logistics or Supply Mangers
- Sustainability Managers
- Energy Companies
- Project Developers
- Registry Sponsors

BENEFITS

Unrivalled Experience: Xpansiv has an unparalleled record of building and operating environmental registry solutions over the past 20+ years.

Turnkey offering: Xpansiv registries are feature rich, interoperable, and highly adaptable to the rules and methodologies of different commodity markets.

Customizable: Our registries implement instrument-specific workflows, types, reporting and verification methods, issuance algorithms, account types, access, and user roles.

Secure: Xpansiv's environmental markets registry line of business has been SOC2 certified since 2018. We conform to the Trust Services Principles and Criteria for Security, Availability, and Processing Integrity by the American Institute of Certified Public Accountants (AICPA).

Xpansiv | Registries

ALL

RECS

SUSTAINABILITY

CARBON

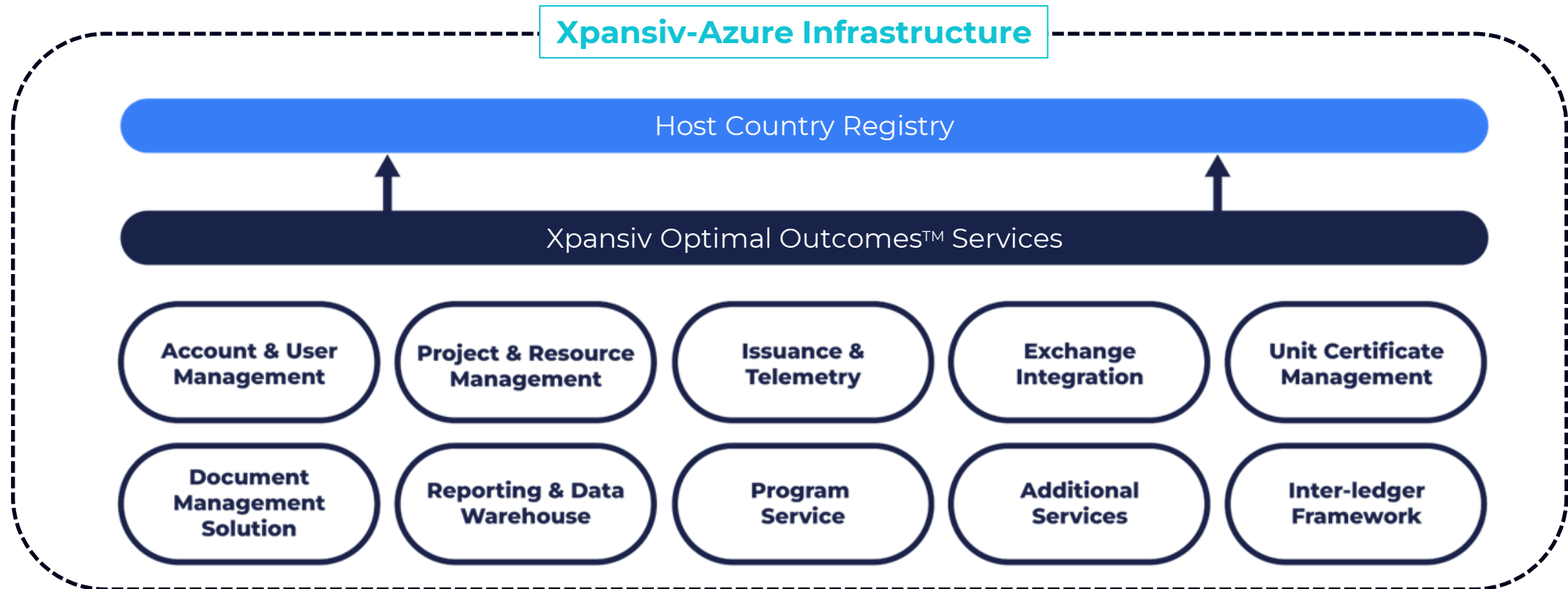
FUELS



Xpansiv has been building, operating, and innovating environmental registry technology for 20 years – longer than any other registry provider

Xpansiv's Registry Solution

Host Country Registries Will Fully Leverage the Optimal Outcomes™ Registry Platform



The Optimal Outcomes Platform includes a collection of “microservices” that allow Xpansiv to efficiently develop flexible, scalable, and highly configurable environmental commodity registries

Map of Required Article 6 Registry Elements

Existing Xpansiv Registry features meet the key elements of a national Article 6 registry that were specified in the Article 6.2 Rulebook

A6.2 Rulebook	Key Registry Elements Specified by UNFCCC		Xpansiv Registry Features
I.1	Generation of ITMOs	▶	<ul style="list-style-type: none"> • Credit issuance capabilities
III.B.8(a)	Adding ITMO quantity to NDC (exporter CA)	▶	<ul style="list-style-type: none"> • Registry administrator authorization • Credit cancellation prior to import or issuance • Comprehensive credit lineage reporting
III.B.8(b)	Reducing ITMO quantity from NDC (importer CA)	▶	
IV.A.18(h)	Minimizing the risk of non-permanence	▶	<ul style="list-style-type: none"> • Buffer accounts for certain project types • Support for tracking removal projects and emission sources
IV.A.18(i)	Allowing for additional attributes (SDGs)	▶	<ul style="list-style-type: none"> • Certifications to label co-benefits
IV.B.20	Annual information submission, including ITMO authorizations, transfers, and cancellations	▶	<ul style="list-style-type: none"> • Public and private summary reports that facilitate NDC adjustments and reporting requirements
IV.C.21	Credit cancellation in exporting registry	▶	<ul style="list-style-type: none"> • Support of all credit transactions, including issuance, transfers, cancellations, and retirements
IV.C.23	Reporting by source/sink, annual quantity, ITMOs first transfers, levy/proceeds	▶	<ul style="list-style-type: none"> • APIs to support automation of sponsor and registry user processes
VI.A.29	Tracking by unique IDs, authorizations, transfers, use towards NDCs	▶	<ul style="list-style-type: none"> • Credit serialization • Auditable event logs
VI.B.32	UNFCCC to develop centralized database for report submissions	▶	<ul style="list-style-type: none"> • Integration with external systems

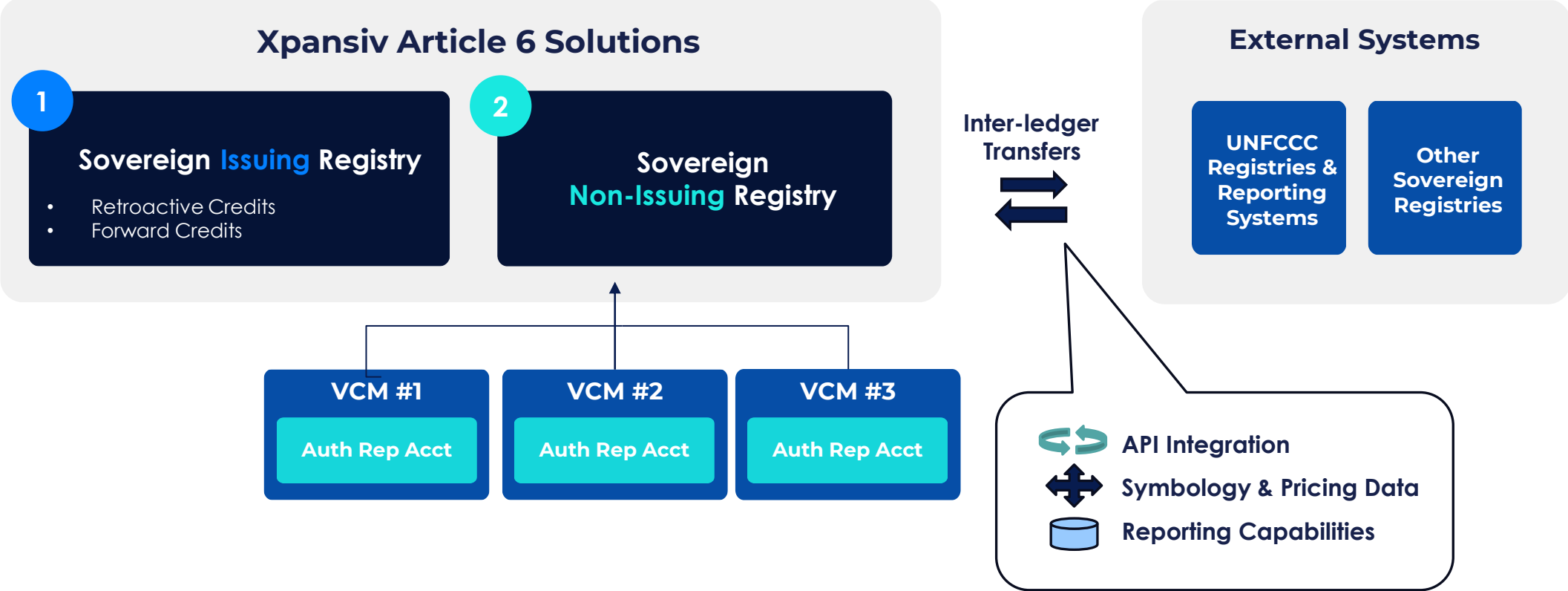
Multiple Registry Configurations Available

Xpansiv can offer sovereign governments several different Article 6 registry configurations depending on national circumstances and policies, all with the same core functionality baked in.



Xpansiv Issuing and Non-Issuing Registries

A Non-Issuing Article 6 Registry can be used with (or without) an Issuing Registry to provide host country governments with flexible control over their carbon credit ecosystem



Lifecycle Control and Security

The Host Country Will Maintain Full Control of Registry Throughout Lifecycle

Lifecycle Control

- **At no point will changes be made to a registry without express written authorization from the Host Country.**
- Xpansiv's SaaS hosting model will allow the Host Country to immediately benefit from our current framework, including rapid availability and minimized investment costs.
- However, the Host Country must propose, approve, or opt into any changes in SaaS functionality Xpansiv is deploying on their behalf.
- Our SOC2 certification requires client permission to commit a functional change to production.

Security

- Xpansiv has been SOC2 certified since 2018 and was last audited in 2024 with zero findings.
- Xpansiv complies with all requirements under the EU's General Data Protection Regulation (GDPR).
- Our role-based security model enforces appropriate system access for users depending on their function, including Xpansiv staff responsible for maintaining the registry.
- Key security features like multi-factor authentication will be available "out-of-the-box."
- Authorized Xpansiv personnel responsible for infrastructure administration have limited, job specific access to servers and databases..
- All communications between users' web browsers and the system will use the secure SSL/HTTPS protocol.



Potential Commercial Arrangements

Xpansiv is Open to a Variety of Commercial Structures

Multiple Potential Fee Structures:

One-Time Development

Represents the initial development and configuration work necessary to stand up the registry.

Annual Licensing

Reflects ongoing maintenance needs and contingent upon the various ongoing services utilized (i.e., program administration, KYC, Billing Service, Cash Management Service).

Can be structured to include additional development hours at a reduced rate.

Volumetric

Can be used to defray development or licensing fees.

Aligns total costs with market activity.

Xpansiv will work with the Host Country to find a commercial arrangement that fits everyone's needs



Thank You