

INTERNATIONAL PROJECT		Project under Management
Summary Form: DST-TDB & CDTI Call 2024		Agreement Reached
Input date: April 29, 2025	Country of origin: India Country of Interest: Spain	

✓ Information of the company requesting the partner search service							
Name of the company				Geovale Services Pvt. Ltd.			
Contact Person (full name, position)				Biplob Chatterjee			
Address				GN 38/5, 3rd Floor, Sector V, Salt Lake, Kolkata, West Bengal 700091			
Zip Code and City				700091 ; Kolkata			
Telephone				(+91) 9007706145			
Email				biplob.chatterjee@geovale.com			
Web Page				https://geovale.com/ ; https://geovalehydro.com/			
Last exercise Revenues M\$				Number of employees			
				Year of Constitution			
				Social Capital M\$			
<p>Geovale Services Pvt. Ltd., established in 2013, is a multidisciplinary natural resource consulting company based in India. With a strong focus on water resource management, hydrogeology, geospatial analytics and digital solutions, Geovale specializes in end-to-end services ranging from resource mapping and monitoring to integrated digital platforms for water governance. Geovale has led national-scale projects for the state water authorities, private sector clients, and has pioneered innovative technologies for urban and industrial water sustainability. The company is now leveraging AI, IoT, GIS, and simulation technologies to build next-generation platforms like digital twins for smart urban water management, enabling predictive analytics, real-time monitoring, and decision-support systems for utilities and policymakers. Through its IP-driven model, Geovale aims to transform urban water governance and resilience in India and other developing economies.</p>							

✓ Information of the Technology Collaboration Project
<p>Smart Water Governance in Lucknow Using Digital Twin Technology An Indo-Spanish R&D Collaboration (2024–2026)</p> <p>The Problem: Lucknow faces severe urban water stress — aging pipelines, 25–30% leakage, over-extraction of groundwater, and fragmented data systems across departments.</p> <p>The Solution: A digital twin of the city's water infrastructure — a real-time, virtual replica powered by IoT, AI, and GIS — to enable smarter supply, early leak detection, predictive groundwater modeling, and data-driven governance.</p>

Governance Innovation (Twinning Approach):

Digital Governance Dashboard: Centralized control room for water managers to view live data, receive alerts, simulate scenarios, and issue advisories.

Cross-agency integration: Aligns utilities, planners, and groundwater boards under one data-sharing platform — enabling coordinated, real-time decision-making.

Intellectual Property & Commercialization Focus:

Proprietary Software Platform: Digital twin engine, analytics modules, and governance tools developed by Geovale — to be licensed or offered as SaaS.

AI Algorithms: Leak detection, demand forecasting, groundwater response modeling — patentable and exportable.

Process IP: Governance workflows and SOPs as consulting assets for replication.

Joint IP Ownership: Clear rights split between Geovale and Spanish partners; product ready for Indian and global smart city markets.

Impact:

- ✓ 15–20% reduction in water loss
- ✓ Real-time groundwater monitoring
- ✓ Scalable, replicable model for other cities
- ✓ Market-ready innovation from day one

Estimated budget of the project :

Estimated Foreseen Budget M€		New Partner contribution M€	
Public Funds %		Funding %	

✓ Profile of the partner wanted: activities to do by the new partner

Geovale seeks a Spanish partner with demonstrated expertise in:

- **IoT-enabled sensor technologies** for smart water metering, pressure/flow monitoring, and groundwater telemetry.
- **AI and machine learning models** for urban utility optimization – especially in leak detection, consumption forecasting, and infrastructure anomaly detection.
- **Smart city water systems implementation** – prior experience with urban water governance platforms, SCADA integrations, and citizen-facing dashboards.
- **Simulation modeling capabilities**, including hydraulic and hydrogeological modeling for digital twin integration.
- **Cyber-secure cloud platforms** for real-time urban data integration and analytics.

Ideal partners would be technology SMEs, research organizations, or consortia with a track record in EU smart city initiatives, preferably with experience in R&D co-development and deployment in urban infrastructure. The partner should also be open to co-creating IP, knowledge transfer, and joint commercialization in India and Europe.

We can also help you to contact partners that you have already identified but you have not contacted yet. If this is the case, please provide us with the contact details of the company you would like to contact.

✓ <u>Potential Partner Information</u>	
Name of the firm	Acciona
Contact Person (name, position)	
Address	Gran Vía de Hortaleza, 3, Hortaleza, 28043 Madrid, Spain
Zip Code and City	Calle Mesena 80, 28033 (Madrid)
Telephone	+34 91 790 77 00 ; +34 91 663 28 51
Email	responsabilidadcorporativa@acciona.com
Web Page	https://www.acciona.com/

✓ <u>Potential Partner Information</u>	
Name of the firm	Idrica
Contact Person (name, position)	
Address	
Zip Code and City	
Telephone	+ 34 963 86 05 00 ; +1 203 893 2961
Email	
Web Page	https://www.idrica.com/platform/water/

✓ <u>Potential Partner Information</u>	
Name of the firm	Aquadat
Contact Person (name, position)	
Address	Innogune Mundaitz Kalea, 50, 3rd floor 20012 Donostia, Gipuzkoa, Spain; B Accelerator Tower Gran Vía 1, 8th floor
Zip Code and City	48001 Bilbao, Bizkaia, Spain
Telephone	
Email	info[@]aquaradar.net ; info[@]aquaradar.net
Web Page	https://aquadat.net/

✓ <u>Potential Partner Information</u>	
Name of the firm	Fibsen
Contact Person (name, position)	
Address	Valencia, Spain

Zip Code and City	
Telephone	+34 601 53 58 86
Email	info@fibsen.com
Web Page	https://www.fibsen.com/

✓ Potential Partner Information	
Name of the firm	Nexusintegra
Contact Person (name, position)	
Address	GoHub Valencia HQ Calle Álvaro de Bazan, 10 – Pasaje de la luz
Zip Code and City	46010 (Valencia, Spain)
Telephone	
Email	
Web Page	https://nexusintegra.io/