

Business Plan Summary

Subsidies for Global South Future-Oriented Co-Creation Project (Ukrainian Reconstruction Support/Strengthening Cooperation with CEE Nations) in the FY2024 Supplementary Budget

Project Title	Ukraine, Poland, Lithuania / "Global South Economic Corridor Linked by IT x Biotechnology: AI-driven drug discovery services to support reconstruction leveraged by Ukrainian IT expert"		
Company Name	COGNANO, Inc.	Company Size	SME / Non-SME
Project Type	Feasibility Study + Demonstration Project / Demonstration Project		
Project Sector	①Information and Communications / ②Energy / ③Transportation / ④Urban Infrastructure / ⑤Medical Care / ⑥Nursing and Healthcare / ⑦Agriculture and Food / ⑧Waste Management / ⑨Digital Platform / ⑩Other		
Project Size	Total Project Expenses : 375 Million JPY / Total Expenses Eligible for Subsidization : 360 Million JPY / Subsidy Application : 240 Million JPY		

Project Summary

【Post-Commercialization Business Model】

Legend: Stakeholders (grey box), Flow of services/goods (blue arrow), Money flow (red arrow), Other (technical collaboration, etc.) (grey arrow).

The diagram illustrates the business model across three stakeholder regions: Japan, Ukraine and Eastern Europe, and Developed countries (customers). It is organized into three horizontal layers: User, Provider/Equipment, and Business Partner. In the User layer, Pharmaceutical companies in Developed countries are connected to COGNANO (Subsidy applicant) in Japan. In the Provider/Equipment layer, COGNANO is connected to UAB, NaturalAntibody, and KPI, Lviv IT Cluster, etc. in Ukraine and Eastern Europe. In the Business Partner layer, COGNANO is connected to PVR and Deloitte. Flows include services/goods (blue), money (red), and other technical collaboration (grey).

【Objective】

- This project examines the **feasibility of commercializing Japan's IT×Biotechnology innovations in Ukraine**, focusing on **human, technical, and institutional** aspects that support the country's reconstruction. Key activities include biosample quality evaluation through the Ukraine Association of Biobank (UAB), establishment of an AI algorithm development team with KPI and the Lviv IT Cluster, creation of a global-standard product supply system with NaturalAntibody and PVR, and verification of legal compliance with support from JETRO Kyiv and Deloitte Ukraine. The goal is to foster Ukraine's scientific talent, support industrial recovery, and build a globally competitive bio-innovation base.

【Project implementation contents and methods】

- The project will verify business feasibility through collaboration with the following partners, coordinating legal and contractual matters with Deloitte and Mori Hamada & Matsumoto law firm as needed: 1) Employ six Ukrainian IT engineers. 2) Validate product feasibility with Dr. Gramatiuk of Biobank (UAB). 3) Jointly improve products with NaturalAntibody. 4) Conduct a Global AI Drug Discovery Competition with KPI, Lviv IT Cluster, and other global institutions. 5) Expand global market access through cooperation with PVR.

【Main technologies/services】

- COGNANO's proprietary IBMET® platform identifies disease-specific molecular targets with high precision by integrating AI analysis and experimental data. Supported by major universities (Tokyo, Kyoto, Osaka) and global research consortia, it improves early-stage drug discovery success rates and establishes a new IT-Bio integration model for global markets.

【Schedule】

- Planned duration: 3 years from grant approval

IT x Bio drives Eastern Europe's potential to sustain economic growth

The timeline diagram shows the project phases: 2022-now (IT x Biology), 2026 (Grant by JPN), 2027-2028 (IT CRO, Invest, Market Approval). Logos for METI, MOFA, JETRO, and Cognano are shown.

Contribution to Ukrainian Reconstruction

【Goals】

- By combining Ukraine's advanced STEM talent with Japan's biotechnology, the project aims to make Ukraine a regional hub for healthcare innovation. Building on COGNANO's Eastern European network, it promotes a Global South Economic Corridor linking Japan, Eastern Europe, and Western markets (EU, UK, US). This initiative supports knowledge-based reconstruction, enabling sustainable growth and independence while offering new momentum for Ukraine's recovery.