

Daejeon



Dortmund



Malaga



Montgomery County, MD



Seattle



GINI Secretariat

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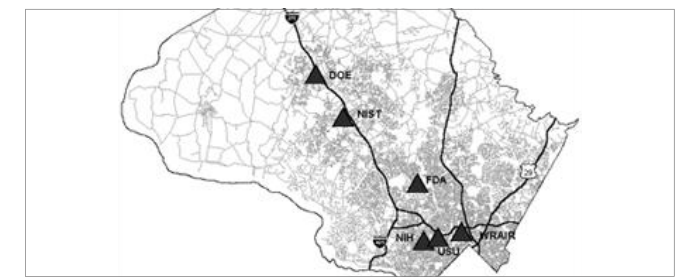


Location	Adjacent to Washington, D.C.
Population	1,063,881 (2024 estimate)
GRDP	USD 106.7 billion (2022)
R&D	One of the leading regions for research in biotechnology, IT, and public health
Key Industries	Top 3 U.S. Biohealth Cluster; AI, Cyber, Cleantech & IT; Advanced Tech, Hospitality Tech and Hospitality HQ
Area	493.1 square miles
Significant	Home to US federal agencies for health & IT standards (e.g. NIH, FDA, NIST, NCCoE) & many firms and research organizations Highly educated population, with 60% of adults holding a bachelor's degree or higher Highly diverse population with 16%+ residents from Asia including many with family in Korea 9 University System of MD schools; mock cGMP & other applied tech training at Montgomery College and BioHub International Soft Landing & Innovation Grants

Strategic Industries

- 1. Biotechnology**
Center of #3 US BioHealth cluster; leading research organizations and companies in cell and gene therapy, vaccines, diagnostics, and medtech. Plenty of wet lab and biotech manufacturing space for companies of all sizes.
- 2. Advanced Technology**
Research and manufacturing capabilities in multiple advanced technology fields including satellite, radar, CHIPS, medical devices, health IT, and IoT.
- 3. Information Technology**
Expertise in AI/VR for drug discovery and precision medicine, and in AI in other industry sectors. – new AI Innovation Center.
- 4. Innovation centers with wet lab, office, and coworking space in all sectors (biotech, AI, and IT)**

Federal Agencies in Biotech



Seattle

City of Seattle

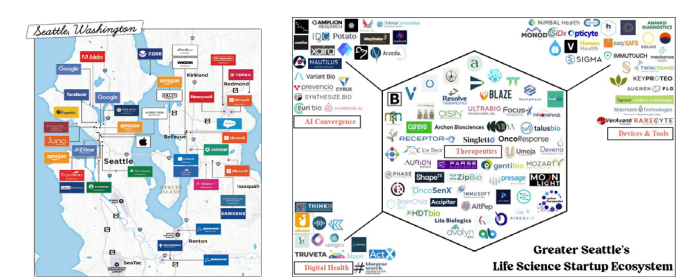


Administration	City of Seattle, Washington, USA
Population	755,078 (City) / 4,044,837 (Metropolitan Area, 2023)
GRDP	USD 517.8 billion (Metropolitan Area, 2022)
Land Area	83.99 square miles (217.3 km ² , City) / 6,308.67 square miles (Metropolitan Area)
Key Industries	Diversified economy with leading technology (Amazon, Microsoft), aerospace (Boeing), Healthcare & Life Sciences (Fred Hutchinson Cancer Center) and maritime trade industries
Education & Research	University of Washington (top public research university), Allen Institute for AI, Fred Hutchinson Cancer Research Center

Strategic Industries

- 1. Technology**
A hub of cloud computing (AWS, Microsoft Azure), e-commerce (Amazon), AI (Allen Institute for AI), cleantech (top 10 Metro and #4 emerging cleantech hub), and biotech (top 10 cluster in the US).
- 2. Aerospace**
Home to aircraft production (Boeing), space exploration (Blue Origin), and sustainable aviation R&D.
- 3. Healthcare and Life Sciences**
A center of excellence in global health, biotech, and digital health; anchored by the Gates Foundation, Fred Hutchinson Center, and University of Washington Medical Center. The Nobel Prize was recently awarded to Dr. David Baker of the University of Washington's Institute of Protein Design.

Seattle Tech Scene



Global Innopolis
Network Initiative

Connect
Cities,
Foster
Innovation

Global Innopolis Network Initiative (GINI)

The Global Innopolis Network Initiative (GINI) was formally established during the Leaders Assembly at its Inaugural Ceremony held in Daejeon, Republic of Korea, on September 3~4, 2024. Comprised of local government representatives and stakeholders from industry, academia, and business, GINI includes five founding members: Daejeon (South Korea), Dortmund (Germany), Malaga (Spain), Montgomery County (MD, USA), and Seattle (USA).

Global Innopolis Network Initiative

Vision

Establish a global collaboration platform that links science and technology with industrial development and economic cooperation

Objectives

1. Enhance scientific and technological capabilities
2. Address urban challenges collectively by leveraging science and technology
3. Foster shared growth through industrial and economic development

Goals

1. Virtuous shared economic growth
2. Collaborative urban challenge solutions
3. Scientific and technological capabilities enhancement
4. Global open cooperation

Daejeon

City of Daejeon



(As of 2022)

Area	539.73km ²
Population	1.4 million
City Budget	USD 4.1 billion
GRDP	USD 36.64 billion
Per Capita Income	USD 27,800
Total Number of Companies	3,380 including 559 Venture Enterprises
Higher Education	19 universities including KAIST

Strategic Industries

1. Aerospace

Home to the Space Industry Cluster, specializing in research and talent development.

2. Biohealth

Designated as a National Bio-Specialized Complex, aiming to lead in innovative drug development and R&D.

3. Chips

Developing a Nano and Semiconductor National Industrial Complex over 5 square kilometers.

4. Defense

A hub for space, AI, drones, semiconductors, and robotics, with a Drone Special Regulatory Free Zone and the Robot Drone Support Center.

5. Quantum

Hosting a National Quantum Cluster, fostering quantum startups, international research, and a quantum fabrication facility by 2031.

6. Robotics

Advancing innovation in mobile robots, drone robots, intelligent robot software, and robot content and services, supported by cutting-edge research and development.

Daedeok Innopolis The Korea's Largest R&D Cluster



Employee	91,886
PhD Researchers	17,604
Technology Transfer	2,015
Government-funded Research Institutes	26
Research Companies	447
High-Tech Companies	137

Dortmund

City of Dortmund



Population	612,065 (City); 11.3 million (Metro, Rhine-Ruhr)
GRDP	€44,816 per capita (2022, +5.93%)
Key Industries	ICT, Micro/Nanotechnology, Biomedicine, Logistics, Robotics, Hydrogen, Production technology
Transport	Major rail and road hub, international airport, and port linking to the North Sea
Education & Research	50,000 students at 7 universities, 19 research institutes, including Max-Planck, Leibniz, and Fraunhofer Institutes
Innovative Ecosystem	Home to TZDO with 200 startups and Ruhrvalley tech companies, European Capital of Innovation (iCapital 2021), comprehensive start-up support ecosystem
Heritage	Rich industrial history in steel, coal, and beer; ranked as one of Germany's most livable cities; cultural hotspot and sports city (BVB soccer club)

Strategic Industries

1. IT

Digital transformation and innovation in logistics, software engineering, and data science; anchored by Digital Hub Logistics clusters; annual tech festival #diwodo.

2. Biotechnology

Home to the Competence Center for Biomedicine and Biotechnology, focusing on drug discovery, molecular research, and biotechnological applications.

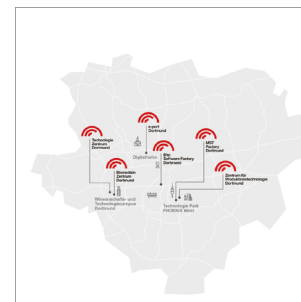
3. Hydrogen

Centered around H2-Ruhr Hydrogen Network (90 members); promoting hydrogen research, production, and industrial applications.

4. Production Technology

Home to well-known industry leaders and numerous "hidden champions".

Competence Centers



6 Competence Centers

- Over 200 Companies
- 100,000 Square meters
- Technology Center / Tech Start-up Hub; Biomedicine and drug research / BMZ; Software / B1st; Logistics / e-port Production technology / ZFP; Micro and Nano technology / MST factory

Malaga

City of Malaga



Population	591,637 (City), 1.75 million (Province)
GRDP	€37.1 billion / €21,444 per capita (2022)
Key Industries	Hospitality, Agriculture, Technology (Digital Content, Cybersecurity, Microelectronics, IoT), Maritime, Renewable Energy
Transport	3rd busiest airport in Spain: 150 destinations in 35 countries, high-speed train, commuter rail & metro hub, 6th busiest cruise ship port in the Mediterranean
Innovative Ecosystem	Málaga TechPark with +687 companies, +25,000 jobs, 5 Universities, 4 Business Schools, 3 Tech Vocational Schools, 14 incubators, Digital Content Hub, 2 Cybersecurity centers, 4 IoT R&D centers
Notable Companies	Accenture, Citi Group, Dekra, DensoTen, Ericsson, EY, Globant, Google, Mercedes-Benz, NTT Data, Oracle, PWC, TDK & Vodafone
Heritage	3,000-year-old city, Roman & Moorish historical sites; Birthplace of Pablo Picasso & Antonio Banderas; 40 museums

Strategic Industries

1. Digital Content

Spain's 1st National Digital Content Hub (12,000 m²) with 25 training courses for 500 students, 224 entrepreneurial projects, and 29 indie video games accelerated from 23 countries in 2023.

2. Cybersecurity

Google Safety Engineering Center (GSEC) & Andalusian Cybersecurity Center (€74 million) shape the future of cybersecurity.

3. Microelectronics

Imec's 300mm chip prototyping processes laboratory in Malaga is part of the €12.25 billion Spanish Semiconductor Investment Plan.

Malaga Valley Innovative Ecosystem

