

Glossary of terms and acronyms

EUROPEAN INVESTMENT BANK INVESTMENT REPORT 2022/2023

Resilience and renewal in Europe

Glossary of terms and acronyms



Investment Report 2022/2023: Resilience and renewal in Europe.

© European Investment Bank (EIB), 2023. All rights reserved. Short sections of text, not to exceed two paragraphs, may be quoted in the original language without explicit permission provided that the source is acknowledged. All other permission requests should be addressed to <u>publications@eib.org</u>

About the report

The annual EIB report on investment and investment finance is a product of the EIB Economics Department. The report provides a comprehensive overview of the developments and drivers of investment and investment finance in the European Union. It combines an analysis and understanding of key market trends and developments, with a thematic focus explored in greater depth. This year, the focus is on how Europe is progressing towards a digital and green future amid an energy crisis. The report draws extensively on the results of the annual EIB Investment Survey (EIBIS) and the EIB Municipality Survey, combining internal EIB analysis with contributions from leading experts in the field.

About the Economics Department of the EIB

The mission of the EIB Economics Department is to provide economic analyses and studies to support the Bank in its operations and to help define its positioning, strategy and policy. The director of the Economics Department, Debora Revoltella, heads a team of 40 economists.

Main contributors to this year's report

Report director: Debora Revoltella

Report coordinators and reviewers: Laurent Maurin and Atanas Kolev

Introduction: Atanas Kolev.

Chapter 1: Andrea Brasili, Jochen Schanz (lead authors), Alfredo Baldini, Peter Harasztosi and Bertrand Magné.
Chapter 2: Atanas Kolev (lead author), Koray Alper, Peter Bauer (European Commission, Box F), Andrea Brasili,
Julie Delanote, Peter Harasztosi, Fotios Kalantzis, Bertrand Magné, Wouter Torfs (European Investment
Fund), Annamaria Tueske, Wouter van der Wielen, Christoph Weiss, Marcin Wolski and Sabina Zajc.

Chapter 3: Laurent Maurin (lead author), Antonia Botsari, Helmut Krämer-Eis, Frank Lang, Rozalia Pal, Ricardo Santo, Wouter Torfs, Alex Coad, Peter Bauer, Clemens Domnick and Peter Harasztosi (Box A), Frank Betz and Luca Gattini (Box B) and Wouter van der Wielen (Box C).

Chapter 4: Désirée Rückert, Jochen Schanz, Patricia Wruuck (lead authors), Andrea Brasili (Box B), Matteo Gatti (Box C), Annamaria Tueske (Box B) and Wouter van der Wielen (Box C).

Chapter 5: Peter Harasztosi, Désirée Rückert, Christoph Weiss (lead authors), Nihan Akhan, Bianca Brunori, Julie Delanote, Clémence Faivre, Valentina Di Girolamo (European Commission, Box A), Alessio Mitra (European Commission, Box A), Giacomo Casali (Box C) and Andrea Coali (Bocconi University, Box C).

Chapter 6: Fotios Kalantzis (lead author), Frank Betz, Francesco Cimini, Emmanouil Davradakis, Bertrand Magné, Giorgio Musto, Désirée Rückert and Christoph Weiss.

Scientific advisory committee: Jos Delbeke (European University Institute), Robert Koopman (American University), Catherine L Mann (Bank of England), Steven Ongena (University of Zurich), Evi Pappa (Universidad Carlos III de Madrid), Dirk Pilat (The Productivity Institute and Valencia Institute of Economic Research), Peter Praet (Université Libre de Bruxelles), Istvan Szekely (European Commission), Jan Svejnar (Columbia University) and Reinhilde Veugelers (KU Leuven).

Published by the European Investment Bank.

Printed on FSC® paper

Disclaimer

The views expressed in this publication are those of the authors and do not necessarily reflect the position of the EIB.

Acknowledgements

Julie Callaert (Centre for Research and Development Monitoring, KU Leuven), Giacomo Casali and Serena Sorrentino provided research assistance.

Glossary of terms and acronyms



Download the complete report: https://www.eib.org/en/publications/ 20220211-investment-report-2022 www.doi.org/10.2867/307689

Available as:

pdf: ISBN 978-92-861-5506-2 ISSN: 2599-8277

Table of contents

	Glossary of torms and acronyms	250
	Data annex	251
	6. Green transition and the energy crisis	217
	5. Progress on digital transformation	175
	4. Trends in regional and social cohesion	145
Part II	Resilience and renewal	
	3. A corporate sector buffeted by shocks	97
	2. Investment in Europe	45
	The macroeconomic context	13
Part I	Investment environment in a time of crises	
	Introduction	7
	Executive summary	1

Glossary of terms and acronyms

3-D printing Also known as additive manufacturing. Variety of processes in which

material is joined or solidified under computer control to create a three-dimensional object, with material being added together (such as liquid molecules or powder grains being fused together), typically

layer by layer.

Active innovators Firms that invest in R&D (R&D-to-sales ratio higher than 0.1%).

Adaptation Addresses the risks posed by climate change rather than the underlying

causes (see "climate change adaptation").

Adopting firms Firms that have no substantial R&D (R&D-to-sales ratio lower than

0.1%) but have introduced or developed new products, processes or

services, according to the EIB Investment Survey (EIBIS).

Advanced Firms that have invested in advanced digital technologies but have

not taken action to become more digital as a response to COVID-19.

Al Artificial intelligence. A system's ability to correctly interpret external

data, to learn from such data, and to use such learning to achieve

specific goals and tasks through flexible adaptation.

AMECO The annual macroeconomic database of the European Commission's

Directorate-General for Economic and Financial Affairs.

At-risk-of-poverty rate The share of people with a net disposable income below the at-risk-

of-poverty threshold, which is set at the 60% of the national median

equivalised net disposable income.

Augmented or virtual reality Presentation of information integrated with real-world objects, using

a head-mounted display.

Automation Substitution of work activities undertaken by human labour with work

performed by machines with the aim of increased quality and quantity

of output at lower costs.

Baltics Estonia, Latvia and Lithuania.

Basic Firms that have not yet implemented any advanced digital technology

in their business but have taken action to become more digital as a

response to COVID-19.

Benelux Belgium, the Netherlands and Luxembourg.

Big data Extremely large data sets that may be analysed computationally to

 $reveal\ patterns, trends\ and\ associations, especially\ relating\ to\ human$

behaviour and interactions.

Biotech Biotechnology, often abbreviated to biotech, is the manipulation of

living organisms or their components to produce useful and usually

commercial products.

BNEF Bloomberg New Energy Finance.

Both Firms that have implemented advanced digital technologies in their

business and that have also invested further in digitalisation as a

response to COVID-19.

Bureau van Dijk's Orbis database Database of private and listed company information from around the

world that includes, among others, companies' financial accounts, ownership structures and details of mergers and acquisitions activity.

Business angel An individual who provides capital for startups, usually in exchange

for convertible debt or ownership equity.

Climate change adaptation Describes measures to deal with the impact of changing weather

patterns or extreme weather events.

Climate change mitigation Mitig

CCUS

Mitigation addresses the underlying causes of climate change.

Carbon capture, utilisation and storage is a group of technologies that can remove almost 100% of the carbon dioxide from large-scale point sources of carbon such as energy-intensive industries (such as steel,

cement and refining) and fossil fuel power.

Central and Eastern Europe Bulgaria, Croatia, Czech Republic, Estonia, Hungary, Latvia, Lithuania,

Poland, Romania, Slovakia and Slovenia.

Circular economy A systemic approach to economic development designed to benefit

businesses, society and the environment. In contrast to the "take-make-waste" linear model, a circular economy is regenerative by design and aims to gradually uncouple growth from the consumption

of finite resources.

Cognitive technologies Natural language processing, data mining and pattern recognition.

Relevant for automation, machine learning and information technology,

such as big data analytics or artificial intelligence.

Cohesion regions Regions are grouped based on the 2021-2027 cohesion policy. Transition

regions and less developed regions, together referred to as cohesion priority regions, have more extensive possibilities for co-financing. More developed regions, also referred to as non-cohesion (priority)

regions, have more limited possibilities for co-financing.

Contestable markets Markets where the following conditions are satisfied

Depreciation A reduction in the value of an asset over time, due in particular to

wear and tear; a decrease in the value of a currency relative to other

currencies.

Developed regions EU NUTS 2 regions with gross domestic product (GDP) per capita

above the EU27 average.

Developers Firms that have substantial R&D (R&D-to-sales ratio equal to or higher

than 0.1%) but have not introduced or developed new products, processes or services, according to the EIB Investment Survey (EIBIS).

Digital A firm is identified as having adopted an advanced digital technology

if at least one digital technology specific to its sector was implemented in parts of the business and/or if the entire business is organised around

at least one digital technology.

Digital capability of municipalities In the EIB Municipalities Survey, digital capability and sophistication

comprises the integrity and protection of IT systems, provision of digital or online government services, assessment of adequacy of digital infrastructure, development or use of remote sensors, and staff

working exclusively on digitalisation plans.

Disposable income

The amount of money that can be spent after current personal taxes.

Refers to income from wages and salaries, self-employed income, income from unincorporated enterprises, social benefits, etc., after taking into account net interest and dividends received and the

payment of taxes and social contributions.

Drones Powered, unmanned aerial vehicles that can fly autonomously or be

piloted remotely, can be expendable or recoverable, and can carry a

lethal or non-lethal payload.

EBA European Banking Authority.
ECB European Central Bank.
EIB European Investment Bank.

EIBIS European Investment Bank Investment Survey.

EIF European Investment Fund.

Energy intensity Energy consumption divided by activity, such as energy/GDP.

ESG Environmental, social and governance.

European Green Deal Set of policy initiatives by the European Commission with the

overarching aim of making the European Union climate neutral in 2050.

European Union The 27 Member States of the European Union (taken as a whole when

used for data comparison with other groups).

External finance In the EIB Investment Survey, this consists of: bank loans excluding

subsidised bank loans, overdrafts and other credit lines; other terms of bank finance including overdrafts and other credit lines; newly issued bonds; newly issued equity (including quoted or unquoted shares); leasing or hire purchase; factoring/invoice discounting; loans from family/friends/business partner; grants (financial support or subsidies from regional or national government); and funding provided by the

public sector.

Finance constrained In the EIB Investment Survey (EIBIS), a firm is considered finance

constrained if it was: (i) rejected when seeking any external financing for an investment; (ii) quantity constrained (dissatisfied with the terms and the amount received in the last request for external financing); (iii) price constrained (the firm did not apply because it thought the conditions of external financing would be too expensive); or (iv) discouraged from seeking any external financing (the firm did not apply because

it thought the application would be turned down).

FDI Foreign direct investment.

IEA

GDP Gross domestic product. The total value of goods produced and services

provided in a country during one year.

GFCF Gross fixed capital formation. The net increase in physical assets

(investment minus disposals) within the measurement period. It does not account for the consumption (depreciation) of fixed capital, and also does not include land purchases. It is a component of the expenditure

approach to calculating GDP.

GINI The Gini coefficient, also known as the Gini index, is a measure of

statistical dispersion intended to measure income or wealth inequality.

Global financial crisis Refers to the worldwide financial crisis of 2007-2008.

Human capital The knowledge, skills, competencies and other attributes embodied

in individuals or groups of individuals acquired during their life and used to produce goods, services or ideas in market circumstances.

International Energy Agency.
International Monetary Fund.

Incremental innovators Firms that have substantial R&D (R&D-to-sales ratio equal to or higher

than 0.1%) and have introduced or developed products, processes or services that are new to the company, according to the EIB Investment

Survey (EIBIS).

Infrastructure Infrastructure as defined for the EIB Infrastructure Database includes

the following sectors for its macro-analysis: transport, utilities, health, education and communication. Infrastructure in the EIB Municipalities Survey captures social, urban transport, digital, water and waste utilities,

climate change mitigation and climate change adaptation.

Infrastructure sector Based on the NACE classification of economic activities, firms in

groups D and E (utilities), group H (transportation and storage) and

group J (information and communication).

Institutional sectors The general government, corporations and households are the three

institutional sectors in this report.

In the EIB Investment Survey (EIBIS), intangible investment consists of

investment in: research and development (including the acquisition of intellectual property); software, data, IT networks and website activities; training of employees; and organisation and business process

improvements (including restructuring and streamlining).

In the European System of Accounts, intellectual property products

are defined as fixed assets that consist of the results of research and development, mineral exploration and evaluation, computer software and databases, entertainment, literary or artistic originals and other intellectual property products, as defined below, intended to be used

for more than one year.

In the EIB Investment Survey (EIBIS), internal finance consists of internal

funds or retained earnings (such as cash, profits).

IPCC Intergovernmental Panel on Climate Change.
IRENA International Renewable Energy Agency.

Labour share Wage bill divided by revenue.

Large companies Firms with at least 250 employees.

Latency The time it takes to for data to be transferred between its original

source and its destination, measured in milliseconds.

Leading innovators Firms that have substantial R&D (R&D-to-sales ratio equal to or higher

than 0.1%) and have introduced or developed products, processes or services that are new to the country or to the global market, according

to the EIB Investment Survey (EIBIS).

Less developed regions EU NUTS 2 regions with GDP per capita below 75% of the EU27 average.

Lifelong learning Encompasses all learning activities undertaken throughout life with the

aim of improving knowledge, skills and competences, within personal, civic, social or employment-related perspectives. The intention or aim to learn is the critical point that distinguishes these activities from

non-learning activities, such as cultural or sporting activities.

Low-carbon economy An economy based on low-carbon power sources (not based on fossil

fuels).

M&A (merger and acquisition) A business transaction in which the ownership of a company is

transferred to or consolidated with another company.

Manufacturing Based on NACE classification of economic activities, firms in group C

(manufacturing).

Mark-up The ratio of the cost of a good or service to its selling price, expressed

as a percentage of the cost.

Medium-sized firms Firms with 50 to 250 employees.

Micro firms Firms with fewer than ten employees.

More developed regions EU NUTS 2 regions with GDP per capita above 100% of the EU27 average.

MWh Megawatt hour.

NACE "Nomenclature statistique des activités économiques dans la

Communauté européenne."

NATO North Atlantic Treaty Organization.

Neither Firms that have not invested in advanced digital technologies or in

becoming digital as a response to COVID-19.

No innovation Firms that have no substantial R&D (R&D-to-sales ratio lower than 0.1%)

and have not introduced or developed new products, processes or

services, according to the EIB Investment Survey (EIBIS).

Non-digital Firms that have not yet implemented any of four advanced digital

technologies considered in recent years or have not heard of them

(see "Digital").

NUTS "Nomenclature des unités territoriales statistiques" (Nomenclature of

territorial units for statistics). A hierarchical system for dividing up the

economic territory of the European Union.

OECD Organisation for Economic Co-operation and Development.

Patent Documents issued by an authorised agency, granting exclusive right

to the applicant to produce or to use a specific new device, apparatus or process for a limited period. The protection conferred by a patent gives its owner the right to exclude others from making, using, selling, offering for sale or importing the patent invention for the term of the patent, which is usually 20 years from the filing date, and in the country

or countries concerned by the protection.

PATSTAT EPO Worldwide Patent Statistical Database. Contains bibliographical

data relating to more than 100 million patent documents from leading

industrialised and developing countries.

PCT Patent Cooperation Treaty. Provides a unified procedure for filing patent

applications to protect inventions in each of its contracting states.

PEPP The ECB's pandemic emergency purchase programme (PEPP) is a non-

standard monetary policy measure initiated in March 2020 in reaction to the COVID-19 outbreak. It is a temporary asset purchase programme

of private and public sector securities.

Percentile Each of the 100 equal groups into which a population or other data

can be divided according to the distribution of values of a particular

variable.

Physical risks Typically defined as risks arising from the physical effects of climate

change and environmental degradation. They can be categorised either as acute (if they arise from climate and weather-related events and acute destruction of the environment), or chronic (if they arise from progressive shifts in climate and weather patterns or a gradual

loss of ecosystem services).

Platform technologies Technologies that connect customers with businesses or customers

with other customers.

Production processes Processes related to actual production, for example machinery and

equipment.

PSPP The ECB's public sector purchase programme, under which the ECB

> purchases bonds issues by governments, international organisations, multilateral development banks, and recognised agencies. It is one of

the ECB's asset purchase programmes.

R&D Research and development.

Recovery plan for Europe The NextGenerationEU fund is a European Union economic recovery

package to support EU Member States adversely affected by the

coronavirus pandemic.

(RRF)

Recovery and Resilience Facility A large grant and loan facility offered by the European Union to its

Member States. Part of the recovery plan for Europe.

Robot Defined in the International Federation of Robotics' database as

"automatically controlled, re-programmable and multipurpose

machine."

SAFE Survey on Access to Finance for Enterprises. A survey on the access to

finance of small and medium-sized enterprises conducted by the ECB

and the European Commission.

Scarring Longer-term negative effects on the economy, in particular relating

to an economic crisis.

Securitisation The conversion of an asset, especially a loan, into marketable securities,

typically for the purpose of raising cash by selling it to other investors.

Services Based on the NACE classification of economic activities, firms in group

G (wholesale and retail trade) and group I (accommodation and food

services activities).

Small firms Firms with ten to 49 employees.

Smart grids Electricity supply networks that use digital communications technology

to detect and react to local changes in usage.

SMEs Small and medium-sized enterprises. Firms with fewer than 250

employees.

SMEsec SME securitisation.

Social infrastructure In the EIB Municipalities Survey, this comprises healthcare, care for the

elderly, childcare, education and training, and social and affordable

housing.

Southern Europe Cyprus, Greece, Italy, Malta, Portugal and Spain.

Sovereign debt crisis Also known as the European sovereign debt crisis. A multiyear debt

crisis that took place in the European Union from 2009.

SURE The European instrument for temporary Support to mitigate

Unemployment Risks in an Emergency.

Tangible investment Investment in, for example, land, business buildings and infrastructure

or machinery and equipment, as defined in the EIB Investment Survey

(EIBIS).

TLTROs The targeted longer-term refinancing operations are Eurosystem

> operations that provide financing to credit institutions. By offering banks long-term funding on attractive conditions they preserve favourable borrowing conditions for banks and stimulate bank lending

to the real economy.

Total factor productivity

Transition regions

The efficiency in combining production factors to create added value.

EU NUTS 2 regions with GDP per capita of 75-100% of the EU27 average.

Transition risks Risks that arise from the potential for loss resulting from a shift towards

a lower-carbon economy, driven by policy, regulations, low-carbon technology advancement, consumer sentiment and preferences, and

liability risks, impacting the value of certain assets.

Transport infrastructure In the EIB Municipalities Survey, this comprises footpaths and cycling

lanes, intra-urban public, inter-urban and urban-rural transport

connectivity, and charging stations for electric vehicles.

UK United Kingdom.

UNFCCC United Nations Framework Convention on Climate Change.

US The United States of America.

VAT Value added tax.

VC Venture capital. A type of private equity focused on startup companies

with high growth potential.

Western and Northern Europe Austria, Belgium, Denmark, Finland, France, Germany, Ireland,

Luxembourg, the Netherlands and Sweden.