

Reader's guide

Acronyms

| | |
|--------------------|-------------------------------------------------------------------------|
| 2D | Two-dimensional |
| 3D | Three-dimensional |
| 3GPP | 3rd Generation Partnership Project |
| 5G | Fifth generation of wireless cellular technology |
| 6G | Sixth generation of wireless cellular technology |
| ADHD | Attention-deficit/hyperactivity disorder |
| APA | American Psychological Association |
| ACI | Artificial capable intelligence |
| A2G | Air-to-ground |
| AGI | Artificial general intelligence |
| AI | Artificial intelligence |
| AIGO | Working Party on AI Governance (OECD) |
| AIM | AI Incidents Monitor (OECD) |
| AR | Augmented reality |
| API | Application programming interface |
| ATM | Air traffic management |
| BERT | Bidirectional Encoder Representations from Transformers |
| BRL | Brazilian real |
| CEN-GENELEC | Comité européen de normalisation en électronique et en électrotechnique |
| COVID-19 | Coronavirus disease 2019 |
| CPU | Central processing unit |
| DICE | Dangerous, impossible, counterproductive or expensive |
| DISR | Department of Industry, Science and Resources (Australia) |
| DSIT | Department for Science, Innovation and Technology (United Kingdom) |
| DSUT | Digital supply-use table |
| EASA | European Union Aviation Safety Agency |
| ETSI | European Telecommunications Standards Institute |
| EU AI | European Union Regulation on Artificial Intelligence |
| EUR | Euro |
| EuroHPC | European High-Performance Computing Joint Undertaking |
| eVTOLs | Electric vertical take-off and landing |
| FCC | Federal Communications Commission (United States) |
| FOV | Field of view |
| GDP | Gross domestic product |
| GenAI | Generative artificial intelligence |
| GEO | Geostationary orbit |
| GHz | Gigahertz |
| GPAI | Global Partnership on Artificial Intelligence |
| GPU | Graphics processing unit |
| GPT | Generative pretrained transformer |
| GPT | General-purpose technology |
| GSMA | Global System for Mobile Communications |
| HAPS | High-altitude platform stations |

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|----------------|--------------------------------------------------------------------------------------------------------------------------------------|
| HBSC | Health Behaviour in School-Aged Children: WHO Collaborative Cross-National Study |
| HIBS | High-altitude IMT base stations |
| HTS | High-throughput satellites |
| ICT | Information and communication technology |
| ID | Identification |
| IEEE | Institute of Electrical and Electronics Engineers |
| IETF | Internet Engineering Task Force |
| IMF | International Monetary Fund |
| IMAX | Image Maximum |
| IMT | International Mobile Telecommunications |
| INRIA | Institut national de recherche en sciences et technologies du numérique (France) |
| IoT | Internet of Things |
| IMDA | Infocomm Media Development Authority (Singapore) |
| IMT | International Mobile Telecommunications |
| ISIC | International Standard Industrial Classification of All Economic Activities |
| ISO | International Organization for Standardization |
| Istat | Italian Statistical Institute |
| IT | Information technology |
| ITU | International Telecommunication Union |
| KDDI | Kokusai Denshin Denwa Co. Ltd. (Japan) |
| KPI | Key performance indicator |
| LEO | Low Earth orbit |
| LLaMA | Large Language Model Meta Artificial Intelligence |
| LMIC | Labour Market Information Council |
| LOWESS | Locally weighted scatterplot smoothing |
| MEO | Medium Earth orbit |
| MIC | Ministry of Internal Affairs and Communications (Japan) |
| MinTIC | Ministerio de Tecnologías de la Información y las Comunicaciones (Ministry of Information and Communications Technologies, Colombia) |
| M2M | Machine to machine |
| ML | Machine learning |
| NAIRR | National Artificial Intelligence Research Resource (United States) |
| NASA | National Aeronautics and Space Administration (United States) |
| NATO | North Atlantic Treaty Organization |
| NGSO | Non-geostationary orbit |
| NSA | Non-standalone |
| NSF | Natural Science Foundation |
| NSTC | National Science and Technology Council (United States) |
| NTN | Non-terrestrial network |
| OFCOM | Office of Communications (United Kingdom) |
| ONE AI | AI Network of Experts (OECD) |
| ONS | Office for National Statistics (United Kingdom) |
| OSTP | Office of Science and Technology Policy (United States) |
| PET | Privacy-enhancing technology |
| PISA | Programme for International Student Assessment (OECD) |
| PIU | Problematic Internet use |
| pp | Percentage point |
| PSMU | Problematic social media use |
| PTSD | Post-traumatic stress disorder |
| R&D | Research and development |

| | |
|----------------|--------------------------------------------------------------------------------------------------------|
| ReLU | Rectified linear unit function |
| RMSE | Root mean squared error |
| SA | Standalone |
| SDG | Sustainable Development Goal (United Nations) |
| SE | Standard error |
| SIM | Subscriber identity module |
| SESAR | Single European Sky Air Traffic Management Research |
| SMEs | Small and medium-sized enterprises |
| SNA | System of National Accounts |
| SUT | Supply-use table |
| STAN | Structural Analysis Statistics |
| SVI | Search Volume Index |
| TEE | Trusted execution environments |
| TN | Wireless Terrestrial Network |
| TRUBA | Turkish National e-Science e-Infrastructure |
| TUBITAK | Türkiye Bilimsel ve Teknik Araştırma Kurumu (Scientific and Technological Research Council of Türkiye) |
| UNESCO | United Nations Educational, Scientific and Cultural Organization |
| UN DESA | United Nations Department of Economic and Social Affairs |
| UTM | Unmanned aircraft system traffic management |
| USD | United States dollar |
| US DOT | United States Department of Transportation |
| VALK | Gross value-added volumes |
| VC | Venture capital |
| VR | Virtual reality |
| WHO | World Health Organization |
| WRC | World Radiocommunication Conference |
| WLAN | Wireless Local Area Network |
| XR | Extended reality |

Country groupings

| | |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Euro Area | Austria, Belgium, Croatia, Cyprus, Estonia, Finland, France, Germany, Greece, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Portugal, the Slovak Republic, Slovenia and Spain. |
| EU | Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Poland, Portugal, Romania, the Slovak Republic, Slovenia, Spain and Sweden. |
| G7 | Canada, France, Germany, Italy, Japan, the United Kingdom and the United States. |
| G20 | Argentina, Australia, Brazil, Canada, the People's Republic of China, France, Germany, India, Indonesia, Italy, Japan, Mexico, the Russian Federation, Saudi Arabia, South Africa, Korea, Türkiye, the United Kingdom, the United States, the African Union and the European Union. |
| OECD | Austria, Australia, Belgium, Canada, Chile, Colombia, Costa Rica, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Israel, Italy, Japan, Korea, Latvia, Lithuania, Luxembourg, Mexico, the Netherlands, New Zealand, Norway, Poland, Portugal, the Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Türkiye, the United Kingdom and the United States. |

Abbreviations

For most of the charts, this publication uses ISO codes for countries or economies.

| | | | |
|---------|----------------------------|-----|-----------------|
| ALB | Albania | IDN | Indonesia |
| ARG | Argentina | IND | India |
| ARM | Armenia | IRL | Ireland |
| AUS | Australia | ISL | Iceland |
| AUT | Austria | ISR | Israel |
| AZE | Azerbaijan | ITA | Italy |
| BEL | Belgium | JPN | Japan |
| BEL-FR | Belgium (French speaking) | KAZ | Kazakhstan |
| BEL-NL | Belgium (Flemish speaking) | KOR | Korea |
| BGR | Bulgaria | LTU | Lithuania |
| BRA | Brazil | LUX | Luxembourg |
| CAN | Canada | LVA | Latvia |
| CHE | Switzerland | MDA | Moldova |
| CHL | Chile | MEX | Mexico |
| COL | Colombia | MKD | North Macedonia |
| CRI | Costa Rica | MLT | Malta |
| CZE | Czech Republic | NLD | Netherlands |
| DEU | Germany | NOR | Norway |
| DNK | Denmark | NZL | New Zealand |
| EGY | Egypt | PHL | Philippines |
| ESP | Spain | POL | Poland |
| EST | Estonia | PRT | Portugal |
| FIN | Finland | ROU | Romania |
| FRA | France | SAU | Saudi Arabia |
| GBR | United Kingdom | SRB | Serbia |
| GBR-ENG | England | SVK | Slovak Republic |
| GBR-SCT | Scotland | SVN | Slovenia |
| GBR-WLS | Wales | SWE | Sweden |
| GEO | Georgia | TUR | Türkiye |
| GRC | Greece | UKR | Ukraine |
| HRV | Croatia | USA | United States |
| HUN | Hungary | ZAF | South Africa |



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