

Glossary



- Adaptive measures** Initiatives and measures taken to make natural and man-made systems less vulnerable to actual or foreseeable climate changes. Such measures can be proactive or reactive, private or public, independent or planned. They can be used in conjunction with mitigation measures.
- Asymmetry** Notion used to describe a situation in which two enemies implement strategies on different levels. One side's force in a particular area (usually conventional capabilities) obliges the other side to contemplate action in other areas (perceptions, terrorism, etc.).
- Biomarker** Measurable biological characteristic (e.g. protein) used to diagnose a pathology, determine its progress and assess the toxicity and efficacy of treatments.
- Biotechnology** The application of science and technology to living organisms, or living or non-living materials for the production of knowledge, goods and services.
- Birth rate** Ratio between the number of live-born births in a year and the total average population in that year (source: INSEE).
- Blockbuster (drug)** An extremely popular drug that generates a very high turnover for the pharmaceutical company that markets it.
- Chronic diseases** According to the World Health Organisation, diseases of long duration and generally slow progression. Chronic diseases, such as heart disease, cancer, chronic respiratory diseases and diabetes, are by far the leading cause of mortality in the world.
- "Cultural bricolage"** Metaphor used to express the notion of culture being acquired by gathering and putting together various scattered, incoherent, loose 'materials'.
- Death rate** Ratio between the number of deaths in a year and the total average population for that year (INSEE).
- Demographic transition** Refers to the situation where a population makes the transition from an old demographic regime characterised by high, more or less balanced, birth and death rates, to a modern demographic regime characterised by low, also more or less balanced, birth and death rates. During the transition, there are fewer deaths than births and the population increases rapidly.
- Dependency ratio** Number of persons under 15 and over 64 years of age who depend on the working population (i.e. people aged between 15 and 64).
- DITB** Defence Industrial and Technological Base. The scientific, technological and industrial capabilities required to meet defence requirements.
- Dual technology** Technology (components; sub-systems, processes, etc.) that can be used for both civil and military applications.
- Ecological footprint** Land and water area required to produce consumed resources and absorb the waste continuously generated by a population, regardless of geographical location.
- Emerging diseases** A concept that first appeared in the 1990s in reference to a new disease or hazard due to a change in the causal agent or a change in the environment or human behaviour.

Emerging nation	Nation (or economy or country) in which economic growth per capita is more than twice that of the OECD countries. Such countries combine high economic growth rates and the conditions required to sustain these rates over a long period of time. These conditions include, in particular, demographic dynamism, stable political regime, an increasingly open economy and a sound current account balance.
Fertility rate (or total fertility rate)	Ratio between the number of live births during a year and the number of women of childbearing age (15 to 49 years). By extension, the sum of these rates yields the total fertility rate or number of children per woman (INSEE).
Foreign direct investments	Investments made by an institutional entity located in one economy to acquire a lasting stake in an institutional entity operating in another economy and to exert a significant influence on its management within the context of long-term relations. Direct investments concern not only the initial transaction that sets up relations between the two entities, but also all subsequent capital operations between them and between related institutional entities (source: INSEE).
Foreign exchange reserves	Foreign currency assets held by a central bank. They generally consist of foreign treasury bills and bonds.
Functional food	A food that also acts as a medicine.
Global city	Unlike a megacity, this concept is not defined by quantitative criteria such as population or wealth, but by qualitative criteria reflecting its integration in the world economic circuit.
Global Gross Domestic Product (GDP)	Equal to the sum of the GDP of all the countries in the world.
Global middle class	Category with income of between 16,000 and 68,000 dollars (in terms of purchasing power parity) for a family of four.
Global public goods (GPG)	Concept encompassing goods or interests of benefit to the world's population as a whole, such as peacekeeping, environmental protection or medical research to find cures for HIV/AIDS and tropical diseases.
Health workers	People providing health services (doctors, nurses, pharmacists, laboratory technicians, hospital porters and healthcare assistants) as well as management and support workers (financial officers, cooks, drivers and cleaners).
Heliotropism	Migration of active or retired populations from one country or region to another that has a sunnier climate.
Hospital-centrism	Refers to healthcare systems that centre on the role of the hospital, which fulfils functions that could be performed by other types of healthcare centre.
Hybridity	Notion referring to a threat characterised by the simultaneous existence of conventional and non-conventional actions that are carried out by regular and irregular forces in a single theatre of operations. It often stems from temporary alliances between players with different interests (governmental, paragonmental and private), whose behaviour could change during the conflict. The instability of this threat, seen as a loose network with no real coherence, significantly increases its potential to do harm.
Immigrant	Person residing in a country other than his/her country of birth.
Incidence	Number of new cases of a particular disease occurring in a population over a given period of time.
Infant mortality rate	Ratio between the number of infants that die before the age of one and all live births (INSEE).
Irregularity	Notion used to describe an enemy who does not abide by the legal, ethical, deontological and tactical rules laid down by law or observed in usage. Depending on its strength, this enemy may opt for a dissymmetric or, more frequently, asymmetric form of warfare.
Life expectancy at birth	Average lifetime (average age of death) of a fictitious generation taking into consideration the prevailing patterns of mortality at year of birth. It characterises mortality regardless of age structure (INSEE).
Median age	The age which divides the population of a country into two numerically equal halves.

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Megacity	Agglomeration of more than 10 million inhabitants. Not to be confused with a <i>megalopolis</i> (a polynuclear urban region made up of several agglomerations [UN]).
Megashock	Combination of natural and man-made disasters caused by the simultaneous shutdown of economic and social systems due to the disintegration of interdependence networks linking them.
Metabolite	Compound resulting from the breakdown of a substance by the body.
Migrant	Any person who has left his/her own country to live in another for at least a year, for whatever reason (UN).
Migratory movement	Migration refers to the movement of populations from one country to another to settle there. Migratory movements are classified according to motive: economic migration (movement of workers) and enforced migration (populations fleeing persecution, war-induced famine, etc.).
Millennium Development Goals	There are eight Millennium Development Goals, adopted in 2000 by 189 UN Member States, who undertook to achieve them by 2015: 1/Eradicate extreme poverty and hunger; 2/Achieve universal primary education; 3/Promote gender equality and empower women; 4/Reduce child mortality; 5/Improve maternal health; 6/Combat HIV/AIDS, malaria and other diseases; 7/Ensure environmental sustainability; 8/Develop a global partnership for development.
Mitigation measures	Mitigation measures: changing or replacing techniques in use with a view to reducing resources deployed and emissions per unit of production. Although some social, economic and technological policies can help reduce emissions, mitigation, from the climate change point of view, means implementing policies to reduce greenhouse gas emissions and building up sinks. At national government level, mitigation measures are included in sustainable development strategies.
Monogenic	Genetic pathology related to an anomaly in a single gene.
Morbidity	Number of persons in a given population who are affected by a disease for a given period of time. The incidence (number of new cases) and prevalence (sum of all cases) are two methods used to express morbidity for a particular disease.
Multinational corporation	Company with at least one subsidiary in a foreign country and carrying out some of its production activities through its subsidiaries in a country other than the country in which it is headquartered.
Multipolar/oligopolar international system	The first term refers to an international system organised around multiple poles, while the second term describes a system organised around a limited number of poles (about five).
Nanoscience and nanotechnology	Science and technology involving work on a nanometric scale (one nanometre equals one billionth of a metre). Nanoscience and nanotechnology have different aims. Nanoscience covers all research work aimed at understanding and implementing phenomena, physical laws and properties that can be observed in objects, devices and systems in which at least one dimension is between 1 and 100 nm. Nanotechnology covers the instruments, manufacturing techniques and derived applications that make use of specific phenomena related to this nanometric scale.
Natural increase	Demographic growth rate due to the natural change in population, taking into account births and deaths alone. It is the difference between the birth rate and death rate (INSEE).
Nutraceutical	Combination of the terms <i>nutrition</i> and <i>pharmaceutical</i> , meaning a dietary supplement containing vitamins, minerals, plant extracts, etc.
Peak oil	Point in time when petroleum production will stop increasing and start to decline owing to the depletion of physically limited reserves.
Pharmacogenomics	Field of science studying the interaction of an individual's genetic makeup with an administered drug.
Positive externality	An externality occurs when consumption or production by one group of persons has a positive impact on the well-being or satisfaction of another group, without this interaction resulting from a deliberate, intentional transaction between the two groups.
Possible reserves	Reserves with a chance of development subject to favourable conditions.

Potential growth	Growth rate that an economy can achieve by using its capacities to the full, but without inflationary pressure. In the long term, potential growth is restricted by the rise in the active population and by technical progress. In the shorter term, it can be checked by an inadequate increase in capital stock (source: CEPII).
Poverty rate	The proportion of individuals (or households) whose standard of living is lower in a given year than a set threshold, referred to as the poverty line (source: INSEE).
Probable reserves	Quantities of hydrocarbons likely to be produced from proven or probable sources under economic and technical conditions (known innovations and methods) in the near future. There is an estimated 50% probability of these reserves being recovered.
Proven reserves	Quantities of hydrocarbons recoverable under existing economic and technical conditions. Geological surveys estimate their recovery with an 85-95% confidence level (this figure varies from one organisation to another). Proven reserves can be divided into two sub-categories: - developed proven reserves relating to deposits for which development is planned, underway or completed; - undeveloped proven reserves are those for which no development is planned as yet.
RFID	Short for 'Radio Frequency IDentification', a system used for remote data storage and retrieval using tags (chips and antennas).
Rural exodus	Population movement from rural areas to urban areas.
Secularisation	A movement that has gradually removed religious references from the social sphere and resulting in the loss of religious influence in public areas such as art, politics and ethics. Some interpret the term more broadly as the institutional decline of religions.
Self-media	Media allowing private individuals to contribute to the creation and dissemination of news and information.
Subprime mortgage	Property mortgage where the borrower's home is pledged as security and where the interest rate varies over time.
Systemic risk	The risk that a particular event will trigger a chain reaction with a significant negative impact on an entire system and possibly undermine every aspect of its operation.
Town	Used in the sense of 'agglomeration', this term refers to a continuous built-up area with a population of at least 2,000 where no building is more than 200 metres away from its neighbour (INSEE).
Transhumanism/post-humanism	These terms refer to the ever-growing application of technoscience discoveries to the living world (human body and brain) and the novel anthropological consequences. More broadly, this refers to a mainly Anglo-American movement which believes that technoscience can take the improvement of humans so far as to create an entirely new being.
Vertical funds	Funds devoted to a specific pathology (AIDS, malaria, tuberculosis, etc.).
Vertical specialisation	Concept relating to the international division of labour and referring to the fact that some countries, drawing on their relative advantages, specialise in the production of certain economic goods.
Water stress	Hydrological notion referring to a situation where freshwater reserves fall below the equivalent of 1,700 m ³ per capita per year.

List of Abbreviations & Acronyms

ACP	African, Caribbean and Pacific (States)	DITB	Defence Industrial and Technological Base
AIDS	Acquired immune deficiency syndrome	DRESS	French Directorate for Research, Studies, Assessment and Statistics.
AKP	Adalet ve Kalkinma Partisi, Justice and Development Party (Turkey)	E7	The seven leading emerging nations: China, India, Brazil, Russia, Mexico, Turkey and Indonesia
APEC	Asia-Pacific Economic Cooperation	EDA	European Defence Agency.
ARF	ASEAN Regional Forum	EEZ	Economic exclusion zone
ASEAN	Association of Southeast Asian Nations	FAO	Food and Agriculture Organization
ASEM	Asia-Europe Meeting	FDI	Foreign direct investments
AU	African Union	GDP	Gross Domestic Product
BRICS	Brazil, Russia, India, China, South Africa	GHG	Greenhouse gas
CBRN	Chemical, Biological, Radiological and Nuclear	GNP	Gross National Product
CCASG	Cooperation Council for the Arab States of the Gulf	GSK	GlaxoSmithKline
CIA	Central Intelligence Agency	HIV	Human Immunodeficiency Virus
CPC	Communist Party of China	IAEA	International Atomic Energy Agency
CSDP	Common Security and Defence Policy	IEA	International Energy Agency.
DGA	French Defence Procurement Agency	IFPRI	International Food Policy Research Institute
DGTPE	French Directorate-General for the Treasury and Economic Policy	IHEDN	Institute of Higher National Defence Studies
DHOS	French Directorate for Hospitalisation and Healthcare Organisation	ILO	International Labour Office

IMF	International Monetary Fund	OECD	Organisation for Economic Co-operation and Development
INED	French National Institute for Demographic Studies	OPEC	Organization of the Petroleum Exporting Countries
INSERM	French National Institute of Health and Medical Research	OSCE	Organization for Security and Co-operation in Europe
IPCC	Intergovernmental Panel on Climate Change	PPP	Purchasing Power Parity
IREI - IFI	International real estate investments - International Finance Institutions	R&D	Research & Development
IRSEM	French Military Academy Institute for Strategic Research	R&T	Research & Technology
LNG	Liquefied natural gas	RESEVAC	Evacuation of nationals
MAEE	French Ministry of Foreign and European Affairs	RFID	Radio Frequency IDentification
MENA	Middle East and North Africa	SARS	Severe Acute Respiratory Syndrome.
MERCOSUR	Common Market of the South	SME	Small and Medium-sized Enterprises
MNC	Multinational corporations	TFR	Total fertility rate
NAFTA	North American Free Trade Agreement	UN	United Nations
NATO	North Atlantic Treaty Organization	UNCTAD	United Nations Conference on Trade and Development.
NBIC	Nanotechnology, Biotechnology, Information Technology and Cognitive Science	UNDP	United Nations Development Programme
NGO	Non-Governmental Organisation	UNESCO	United Nations Educational Scientific and Cultural Organization
NICT	New Information and Communication Technology	UNSC	United Nations Security Council
NPT	Treaty on the Non-Proliferation of Nuclear Weapons or Non-Proliferation Treaty.	WHO	World Health Organization
ODA	Official Development Assistance	WTO	World Trade Organization

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