





Millennium Project 01

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founded in 1996



Connects futurists around the world to improve global foresight. It was **founded in 1996** after a three-year feasibility study with **the United Nations University, Smithsonian Institution, Futures Group International, and the American Council for the UNU**. It is now an **independent non-profit global participatory futures research think tank** of futurists, scholars, business planners, and policy makers who work for international organizations, governments, corporations, NGOs, and universities. The Millennium Project manages a coherent and cumulative process that **collects and assesses judgments from over 3,500 people** since the beginning of the project, selected by its 63 <u>Nodes</u> around the world. The work is distilled in the <u>annual</u> "State of the Future", "Futures Research Methodology" series, special studies, and integrated into its <u>Global Futures Intelligence System</u>.

founded in 1996



Purpose

Improve humanity's prospects for building a better future

founded in 1996



Mission

Improve thinking about the future and make that thinking available through a variety of media for feedback to accumulate wisdom about the future for better decisions today.

founded in 1996



Vision

A global foresight network of Nodes, information, and software, building a global collective intelligence system recognized for its ability to improve prospects for humanity. A think tank on behalf of humanity, not on behalf of a government, or an issue, or an ideology, but on behalf of building a better future for all of us.

What we do

6



The Millennium Project

1	On-going assessment of what are the most significant long-range issues and opportunities, as well as focused analysis of policies and agencies to address them;
2	Communications network of futurists and scholars with an international information system of futures research that provides public access;
3	The annual State of the Future report (based on an integration of others' forecasts and the Project's own work, and built on the foundation of the previous years' reports)
4	Advanced training in the methodology and analysis of critical issues, opportunities, and challenges of the future.
5	Special studies such as Future Issues of Science and Technology, Futures Research Methodology, Middle-East Peace Scenarios, Environmental Security, Education and Learning to the year 2030, Future Global Ethical Issues, Lessons and Questions from History, and Future of Africa;

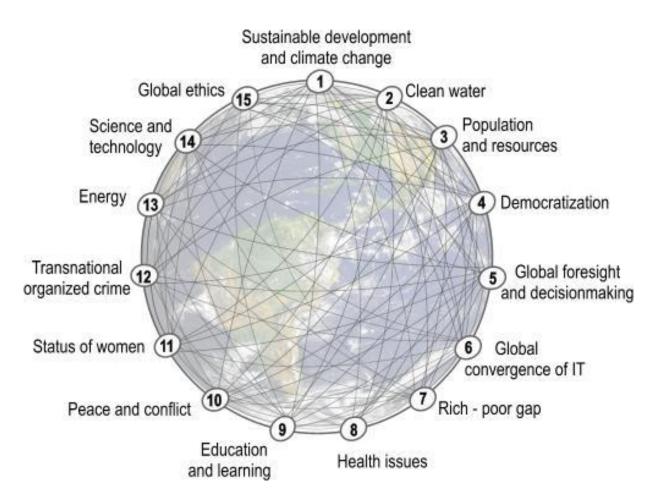
On-line Global Futures Intelligence System connecting all our research, Nodes, software, methods, and going projects.



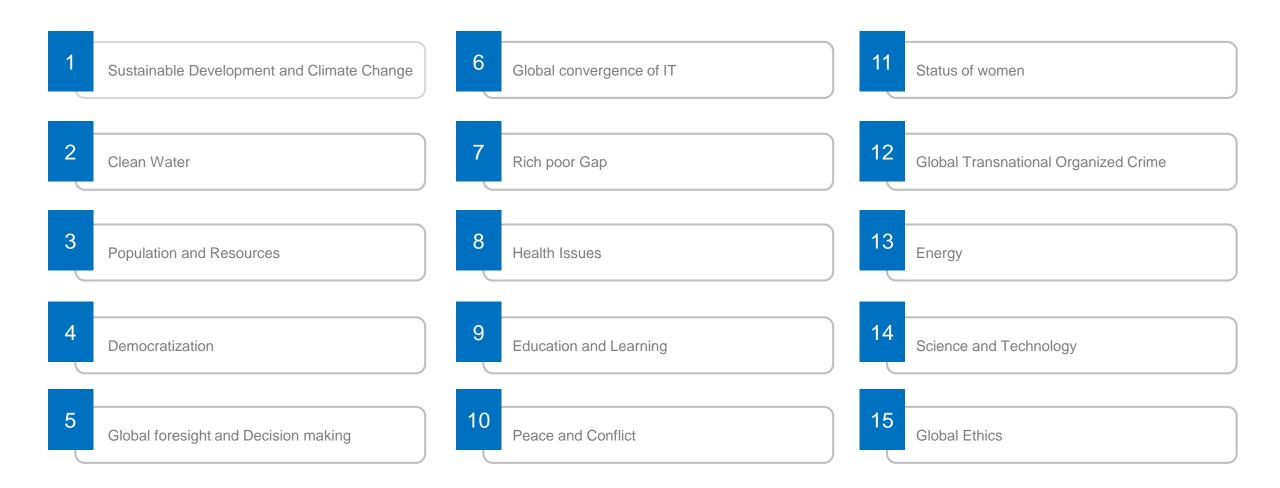






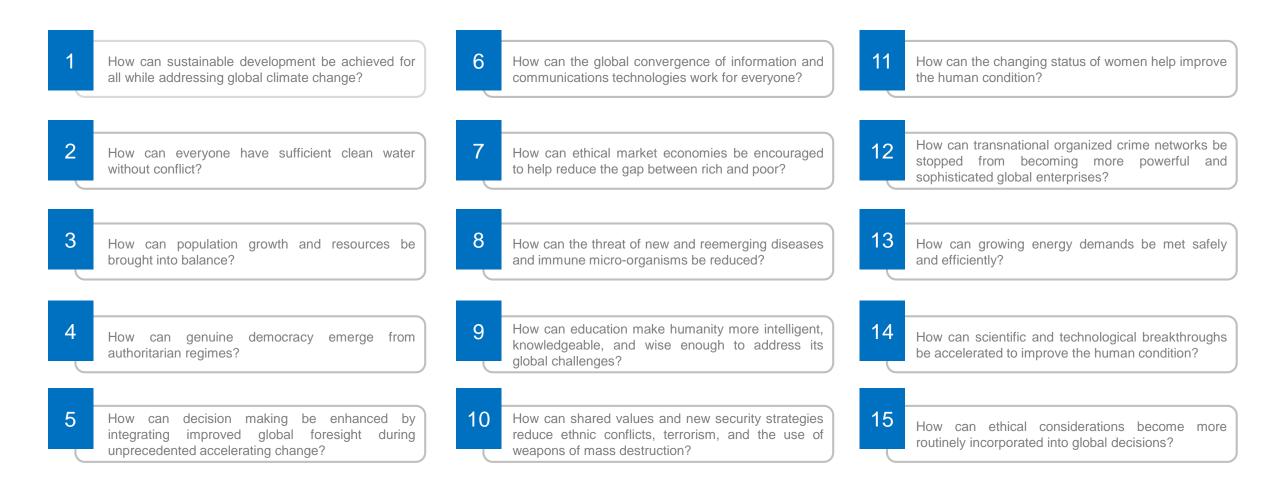








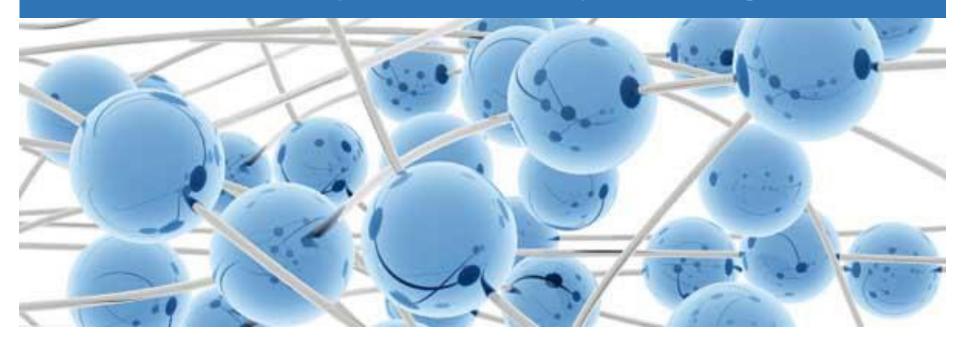






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Some key Indicators by challenge



01 – Sustainable Development and Climate Change



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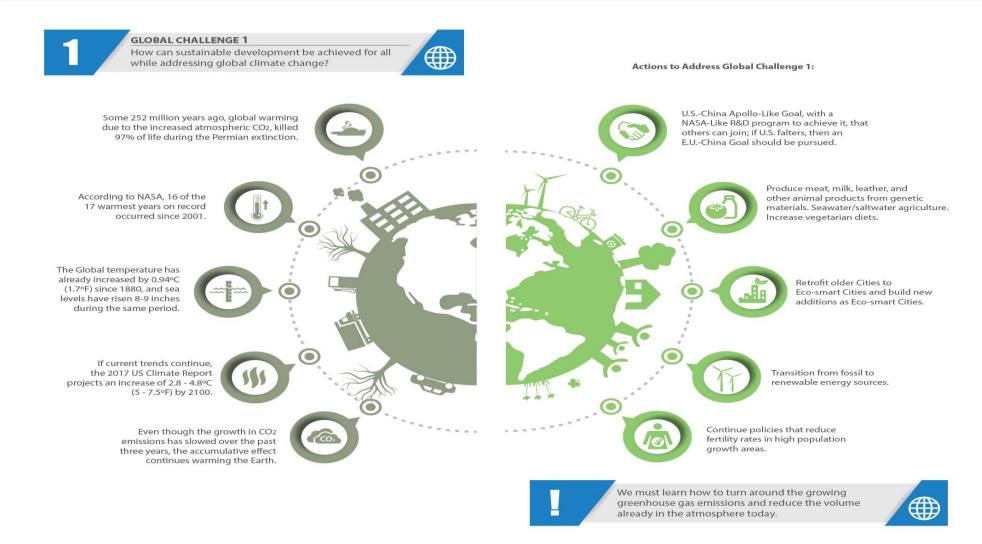
How can sustainable development be achieved for all while addressing global climate change?



Composite indicator of levels of economic growth, infant mortality, life expectancy, and living standards
Average annual global temperature
CO2 emissions and other energy related air pollutants, by source
Reserves of petroleum and key minerals
Number of countries and companies that use ISO I4000 and I4001
Total and per capita energy consumption by type of user

01 – Sustainable Development and Climate Change



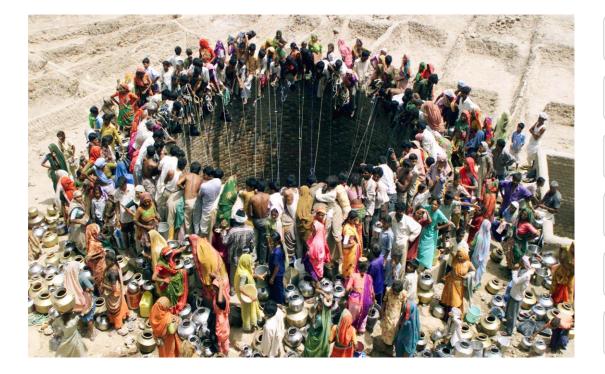


02 – Clean Water



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How can everyone have sufficient clean water without conflict?



Percent of population in the world by country and by region sufficiently supplied with clean drinking water

Percentage of drip agriculture versus other forms

Percentage of drip agriculture versus other forms

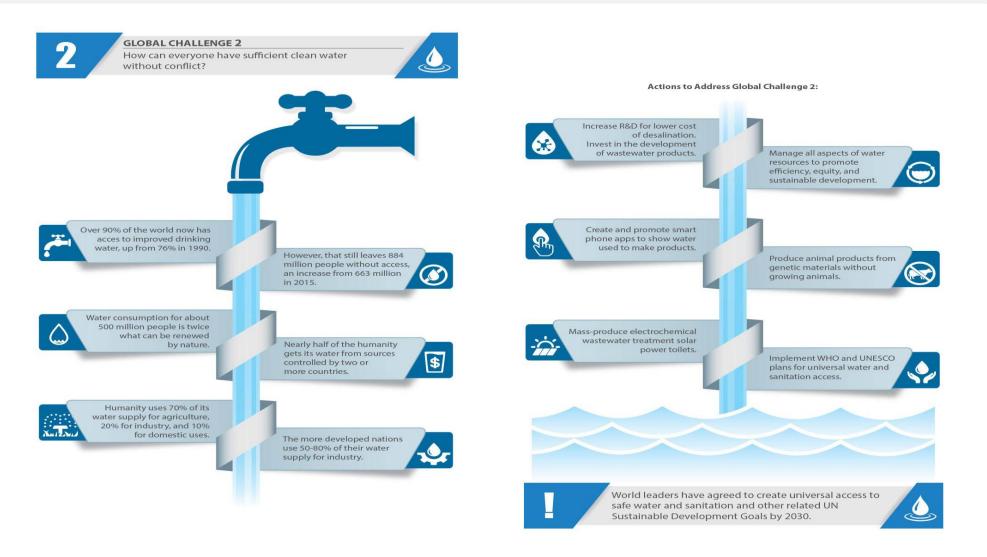
Cost of pure water

Funds allocated for water desalination research and development

Percentage of waste water that is treated before discharge

02 – Clean Water





03 – Population and Resources



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How can population growth and resources be brought into balance?



Demographic measures: e.g. population growth and fertility rates

Levels of urbanization and population density

Per capita health measures: doctors, nurses and other health service providers

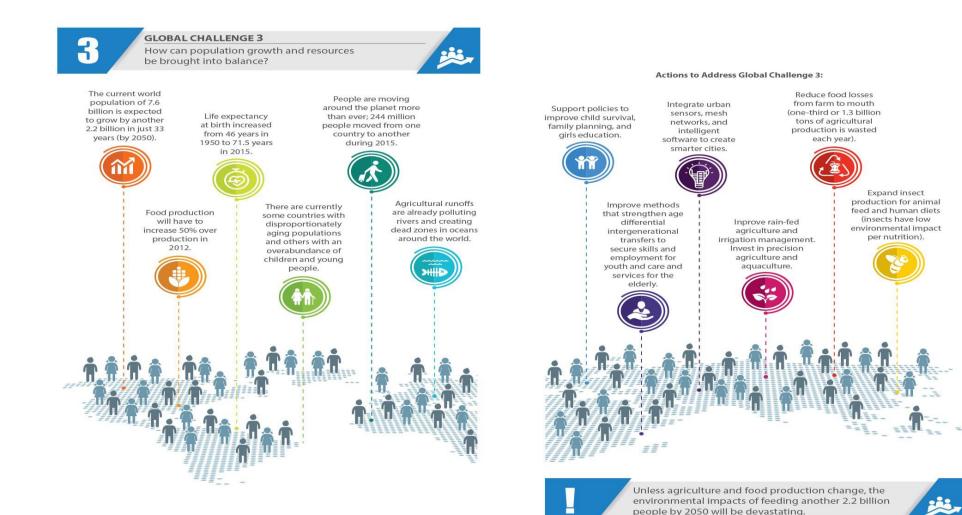
Female literacy and access by women to education, communications and credit

Resources available (quantity and quality) per capita per region

Per capita consumption of various resources

03 – Population and Resources





04 – Democratization



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How can genuine democracy emerge from authoritarian regimes?

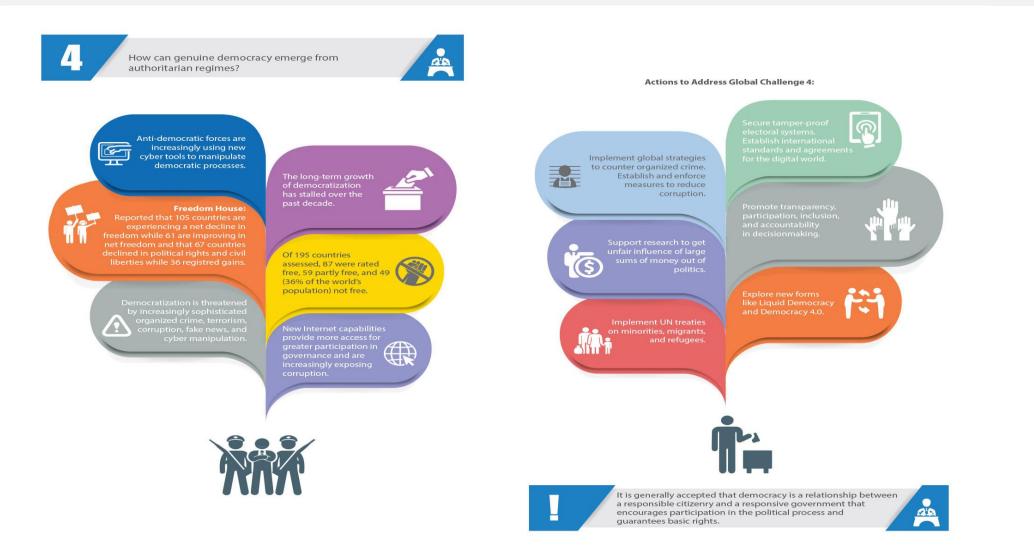


Perc	centage of people voting during elections
Vote	er participation in and frequency and quality of free elections
Perc	centage of people voting for extreme, non-democratic parties
Rate	es of economic development
Free med	edom of expression, as measured by the number and circulation of independent lia

OECD democracy index, which allows immediate comparison among countries.

04 – Democratization



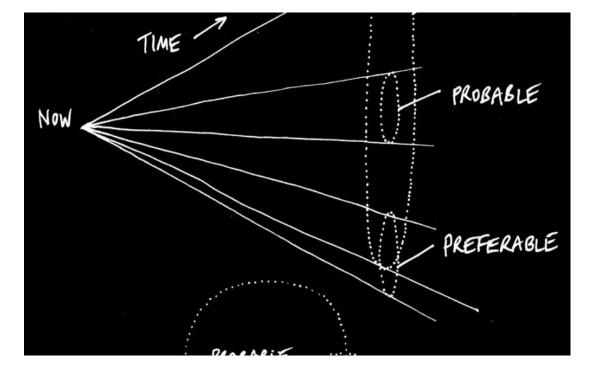


05 – Global foresight and Decision making



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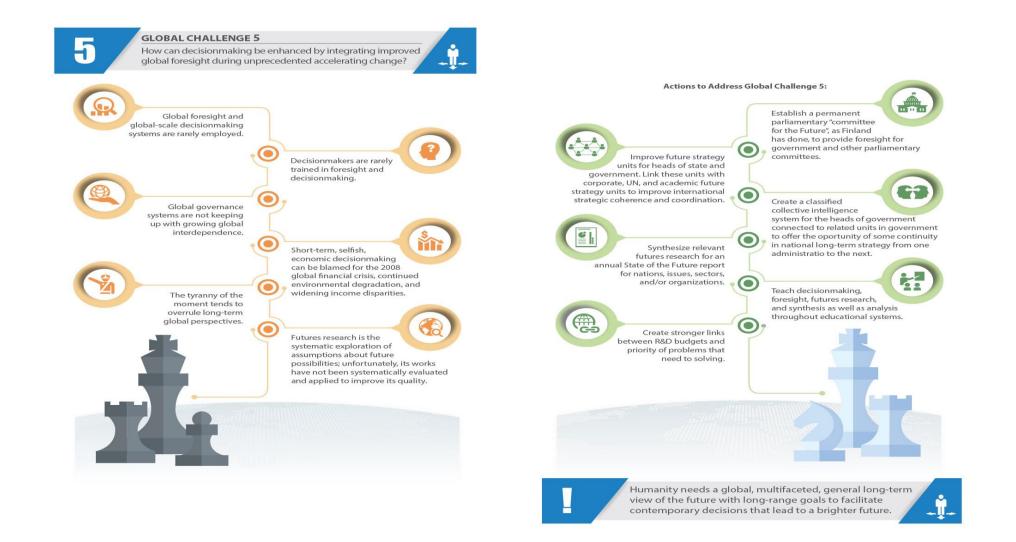
How can decision making be enhanced by integrating improved global foresight during unprecedented accelerating change?



Collection of examples of successful use of global, long-term perspectives in policymaking
Ratio of legislation on global issues in national legislatures
Measurement of progress towards goals of Agenda 21
Number of courses offered in colleges and universities on morals, futures and decision-making
Funding of Futures research projects and long-term modeling
Extent of long-range goals in strategic plans of public authorities and private enterprises

05 – Global foresight and Decision making





06 – Global convergence of IT



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How can the global convergence of information and communications technologies work for everyone?

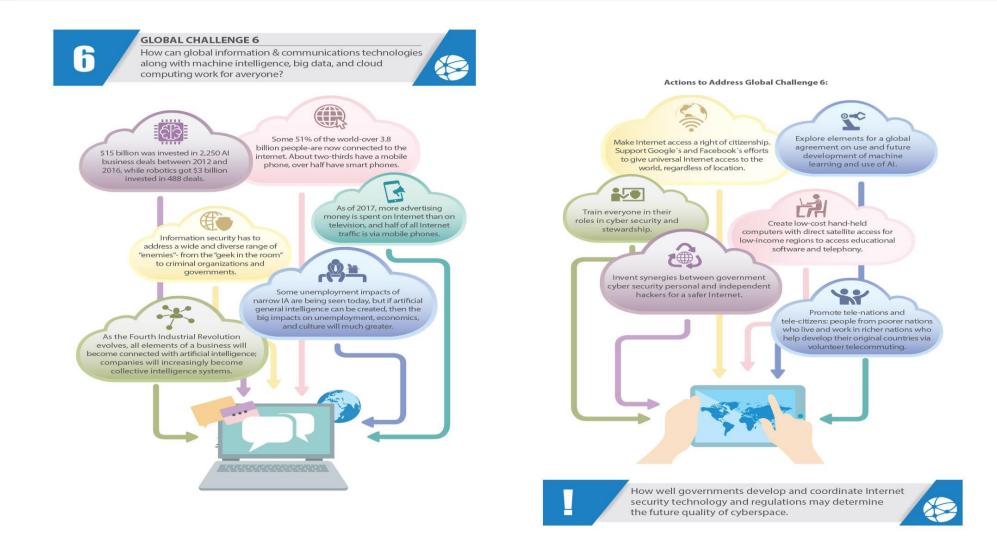


Percentage of people with telephones, TV, computers, and Internet
Number of public libraries with free Internet access
Volume of e-business
Number of students per computer(s)
5. Investments in information/ communication projects that foster local developments
Measures of the state of information and communications technologies

(e.g. average annual Internet user cost, cost of bandwidth, etc.)

06 – Global convergence of IT





07 – Rich poor Gap



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How can ethical market economies be encouraged to help reduce the gap between rich and poor?

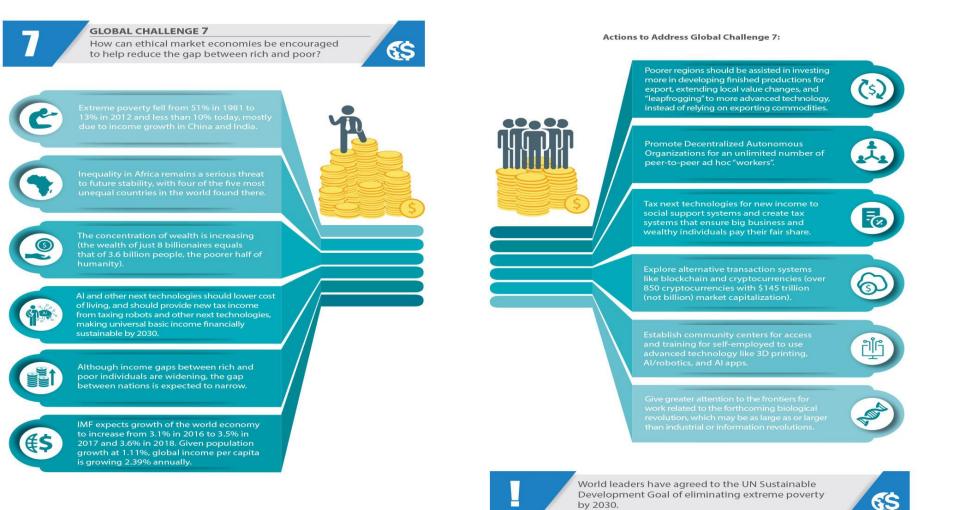


Employment and unemployment statistics
Percentage of people completing various level of education
Measurements of the economic gap between rich and poor
Magnitude of government expenditure on welfare programs (e.g. labor market intervention and health care)
Migration statistics

Combined indicators of rates of internal saving, investment, internal consumption, exports, cost of living

07 – Rich poor Gap





08 – Health Issues



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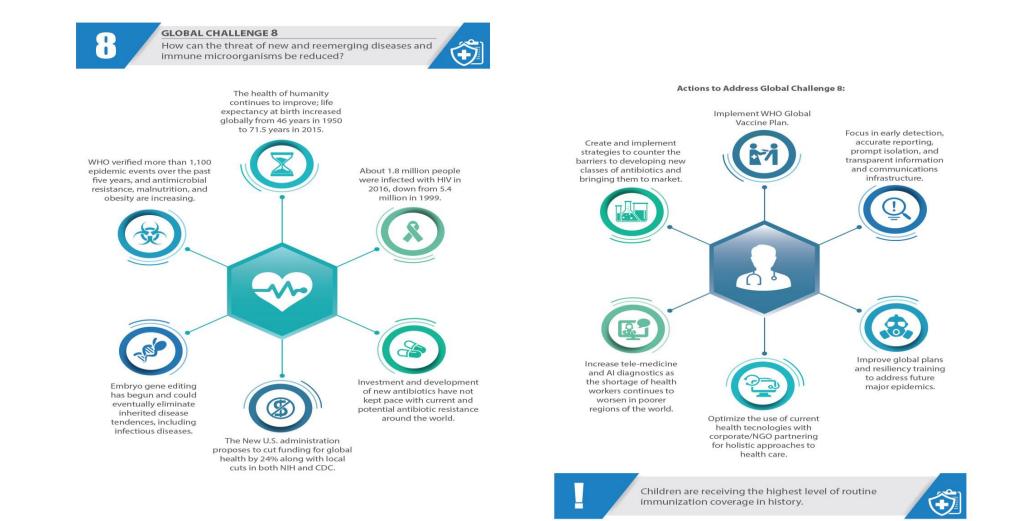
How can the threat of new and emerging diseases and immune micro-organisms be reduced?



Mortality rates by causes
Pandemic frequencies
Number of people vaccinated, by disease and geography, including the percentage paid for by states
Physicians and health care facilities per capita
Frequency and intensity of new infestations/infections
Measurements of AIDS deaths and HIV prevalence

08 – Health Issues





09 – Education and Learning



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How can education make humanity more intelligent, knowledgeable, and wise enough to address its global challenges?

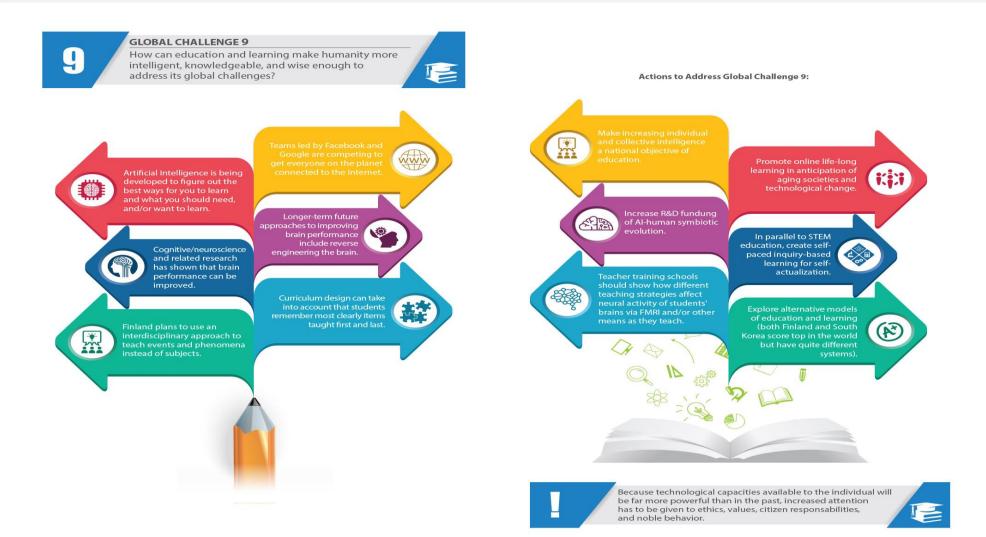


Numbe	er of countries that have "Increasing Intelligence" as a national objective
Percer	nt of the public that access free tele-education and life-long learning systems
Percer	nt schools that have integrated personalized artificial intelligence learning aids
	nt of schools with both STEM and self-paced inquiry-based learning for self- ization and meaningful working life
Nation	al average age when the basics of reading, writing, and numeracy is mastered

Number of secondary schools that teach philosophy, entrepreneurship, and ethics

09 – Education and Learning





10 – Peace and Conflict



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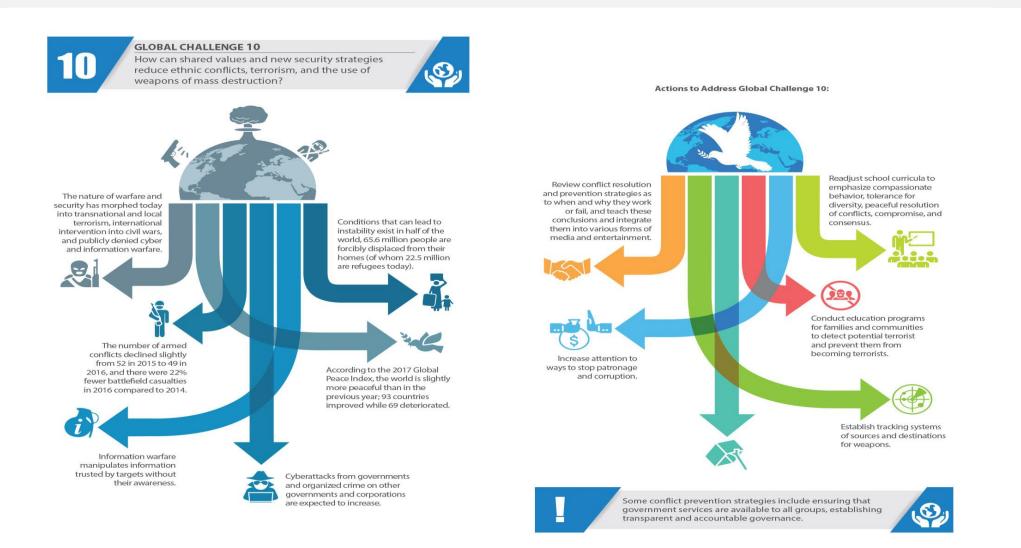
How can shared values and new security strategies reduce ethnic conflicts, terrorism, and the use of weapons of mass destruction?



Measurements of income and wealth distribution; the economic gap between rich and poor
Funding and status of UN permanent peacekeeping capabilities
Number of people killed in conflicts
Number of refugees and displaced persons due to conflict
The number of days of peace and people not killed
Levels of funding for programs that promote respect for diversity and equal rights

10 – Peace and Conflict



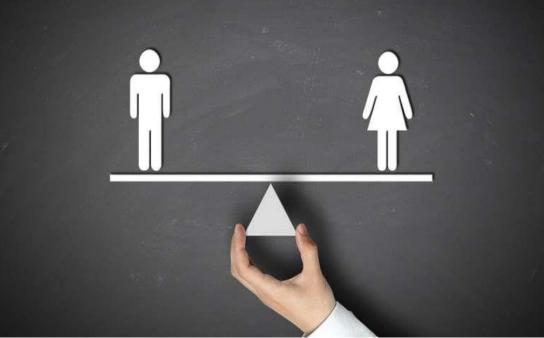


11 – Status of Women



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How can the changing status of women help improve the human condition?



 Female literacy and access by women to education, communications and credit

 Number of women and children in poverty

 Assessments of the effectiveness of family planning programs

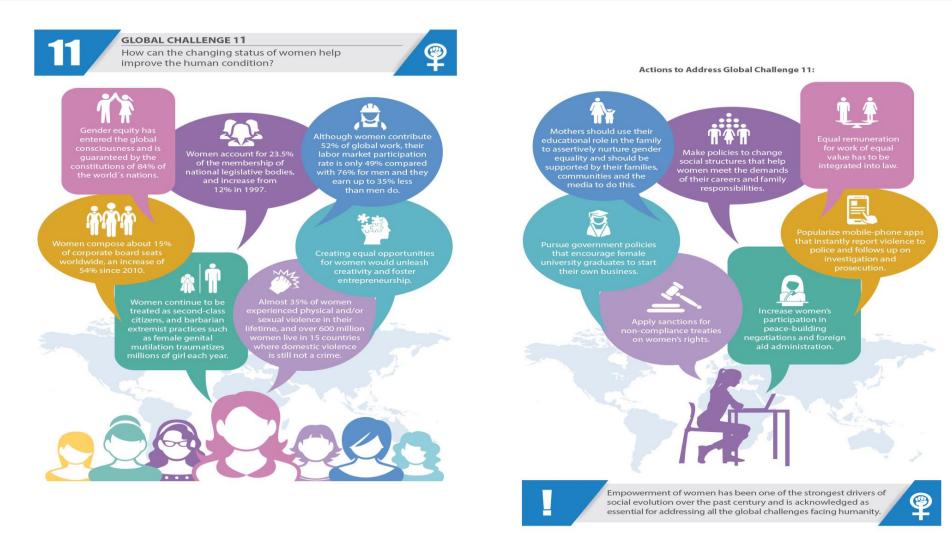
 Comparison of pay for similar work by men and women

 Number of women in international, national, regional, state and local government; % of women in policy making and decision making

Ratio of women to men in various occupations and management levels

11 – Status of Women





12 – Global Transnational Organized Crime



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How can transnational organized crime networks be stopped from becoming more powerful and sophisticated global enterprises?



Number of countries adopting internationally consistent laws and regulations against organized crimes

Crime and gambling statistics

Statistics relating to illegal drugs and prostitution

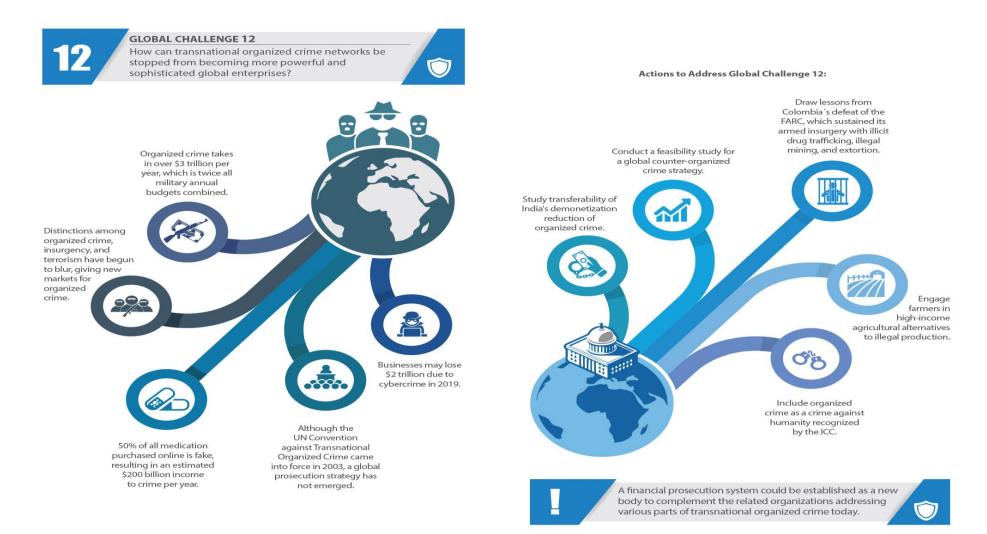
Value of confiscated drugs and contraband

Number of institutions and individuals identified, arrested, and prosecuted as related to organized crimes

Apprehension and seizures of weapons

12 – Global Transnational Organized Crime





13 – Energy



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How can growing energy demands be met safely and efficiently?



Energy/GDP ratio

Total and per capita energy usage by category of source (fossil, solar, nuclear, etc.)

Energy production by source, including particularly the amount generated by fossil, hydro, nuclear and alternate energy sources (e.g. wind, solar)

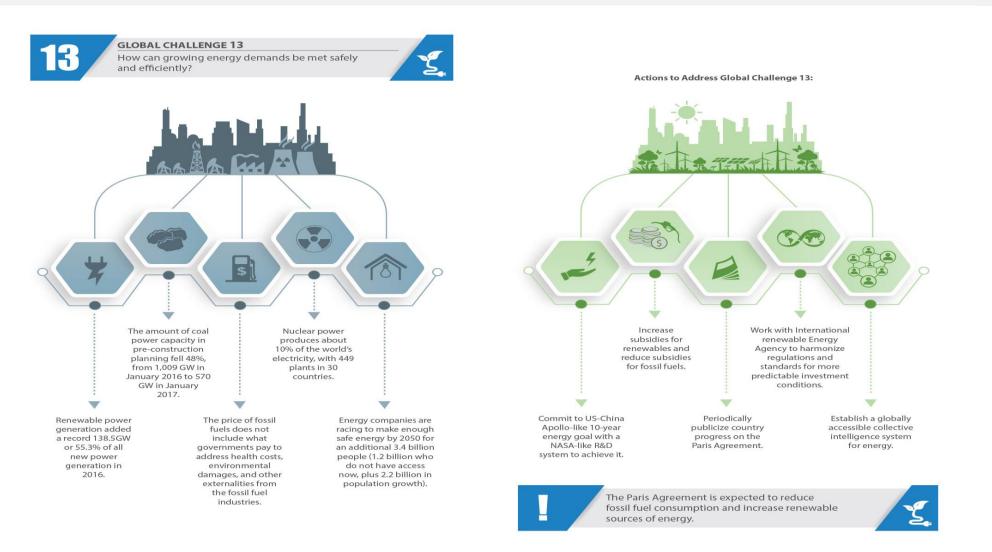
Total and per capita energy consumption by type of user

Transportation energy by source (petroleum, natural gas, electricity, etc.)

Number of nuclear plants waiting to be closed

13 – Energy





14 – Science and Technology



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How can scientific and technological breakthroughs be accelerated to improve the human condition?



Investments in R&D by governments and companies, counting expenditures in areas including solar, health; in a) absolute terms, b) percentage of GDP, and c) per capita

Number of researchers and percentage, by field and country

Extent of international scientific collaboration

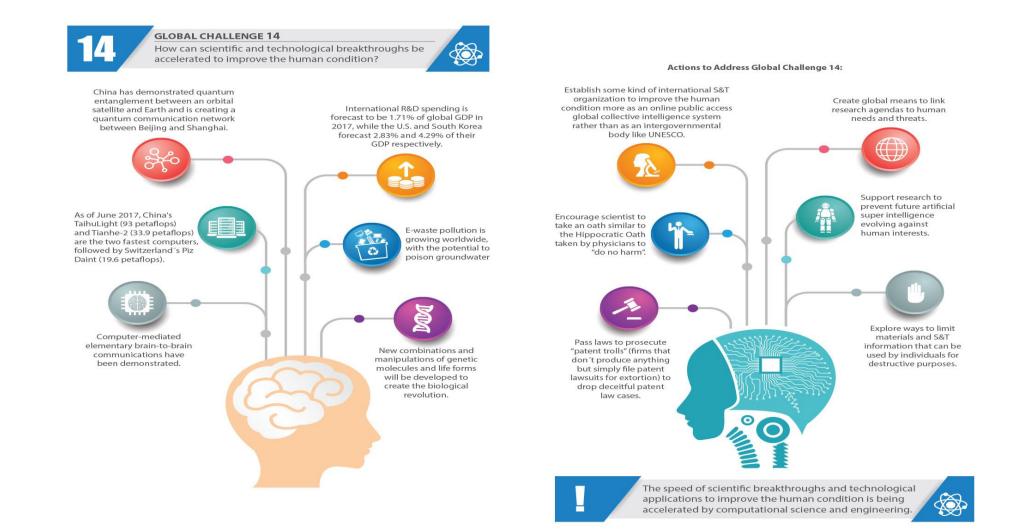
Number of scientists having papers in well-known publications in the world; number of papers published on international journals each year

Number of patents in selected fields

Standard of life indicators (public health, reduced number of working days, aged population socially active, etc.)

14 – Science and Technology





15 – Global Ethics



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How can ethical considerations become more routinely incorporated into global decisions?



Voter participation in and frequency and quality of free elections

Extent of coverage in local papers, radio and TV news on ethical issues

Number and type of terrorists incidents and ethnic conflicts

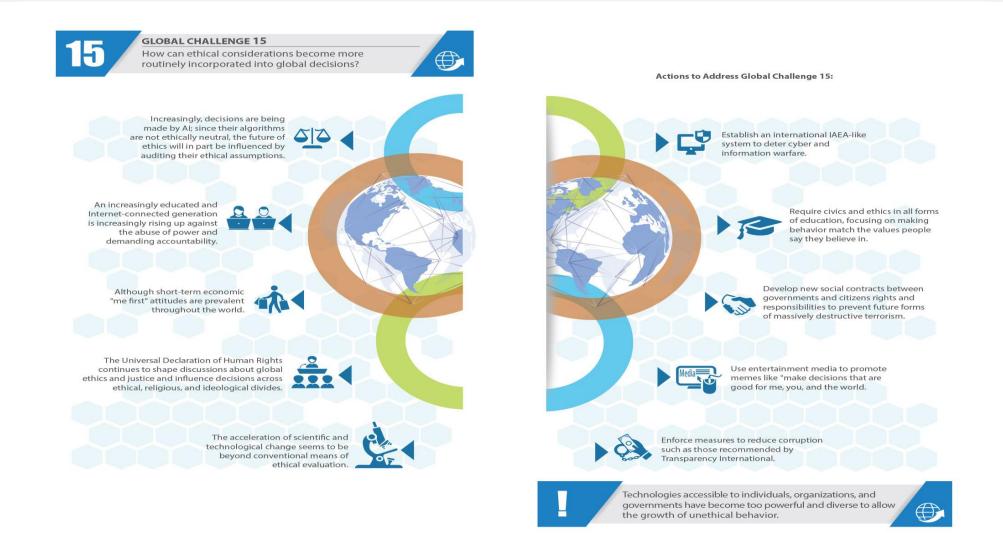
Measurement of the level of non-state actors in global institutions, notably for religious bodies (e.g. Churches) and charities (e.g. Oxfam) in UN, EU and other global and regional organizations

Social capital indicators like: the quantity of citizens' organizations and initiatives; quality of citizens' activities in `ethical terms; ethical atmosphere in terms of trust and global ethics

Extent of training in conflict resolution and ethics being provided in schools, universities, government, and business

15 – Global Ethics









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The *State of the Future* is an informative publication that gives invaluable insights into the future for the United Nations, its Member States, and civil society.

Ban Ki-moon, Former Secretary-General of the United Nations

Global Futures System



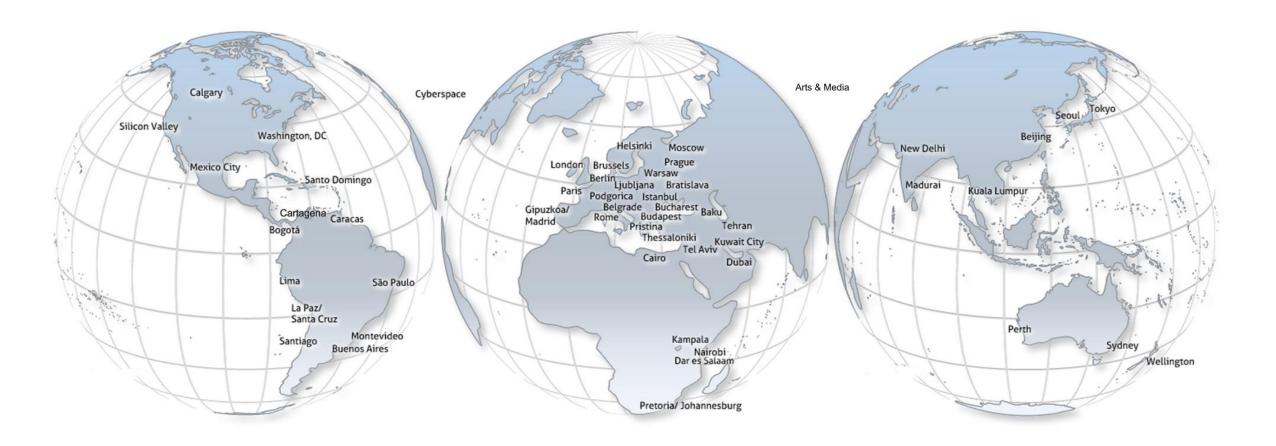
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Millennium Project Nodes





The Millennium Project

BRING A BETTER FUTURE FOR HUMANITY

