







The GSDR- a brief history

• Origins – Rio+20, science-policy interface

• Annual editions – 2014-16

• Ministerial declaration, 2016

• The Independent Group of Scientists

• Process and outcomes



The Independent Group of Scientists



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Process of GSDR

Face-to-face meetings in New York and continuous consultations facilitated by UN DESA Support by Task Team of six UN Agencies: DESA, UNCTAD, UNDP, UNEP, UNESCO, World Bank



UN Secretary General and IGS: 10 September 2019



Summits - Making commitments to 2030 Agenda

The 74th United Nations General Assembly was marked by strong international commitment to realize the 2030 Agenda. Five high-level summits brought leaders together seeking to accelerate progress on sustainable development.

Climate Action Summit	 Recognition that the pace of climate action must be rapidly accelerated. Significant announcements by government and private sector leaders. Youth mobilization and commitment to continue pressure for urgent action. 	
SDG Summit	 Unanimously adopted political declaration commits to a decade of ambitious action, including mobilizing financing, enhancing national implementation and strengthening institutions. Over 120 acceleration actions announced. 	
Financing for Development	 Leaders from government and industry sounded the alarm regarding addressing financing gaps. Resolved to mobilize resources, generate action and restore momentum to achieve the globally agreed goals to eliminate poverty, promote prosperity and well-being while protecting the environment. 	
Universal Health Coverage	 World leaders adopted the most comprehensive set of health commitments ever made at the General Assembly WHO and 11 other multilateral organizations launched a Global Action Plan, for more streamlined support to countries to help deliver universal health coverage. 	
Small Island Developing States	 Adopted political declaration reaffirms solidarity with small island developing States, which face a unique set of challenges. The High-Level Review of the Samoa Pathway discussed progress on combating the impacts of climate change, building resilience, and announced new partnerships. Department of Economic and Social Affa 	

UN SDG Summit – GSDR launch 24 September 2019



A decisive decade ahead

Sounding the alarm bell - It is time to scale-up and accelerate implementation

GOAL WITHIN 5% 5-10% >10% NEGATIVE LONG-TERM TREND AND GOAL 1 **((Goal 2 2.5. Maintaining genetic diversity 2.a. Investment in agriculture* $-\sqrt{\bullet}$ Goal 3 Goal 4 q Goal 5 0 Goal 6 Ö-11 Goal 8 Goal 9 Goal 10 Goal 11 GO Goal 12 Goal 13 Goal 14 👫 Goal 15 United Nations

Projected distance from reaching selected targets by 2030 (at current trends)

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Goal 16

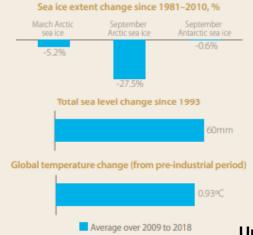
Understanding the systemic challenges

Rising inequalities











Boxes to arrows – A systems perspective

Moving forward:

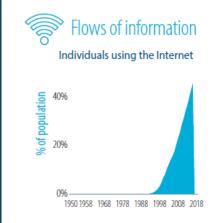
- Address trade-offs
- Harness co-benefits
- Turn vicious cycles into virtuous cycles



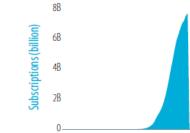


Change in a hyper-connected world



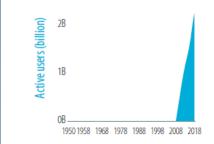


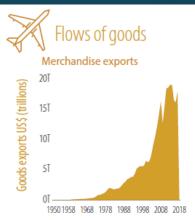
Mobile cellular subscriptions

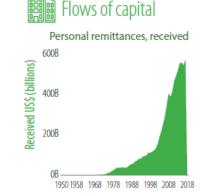


Monthly active Facebook users worldwide

1950 1958 1968 1978 1988 1998 2008 2018







Foreign direct investment,

1950 1958 1968 1978 1988 1998 2008 2018

Net official development

assistance received

net outflows

3T

1T

150B

100B

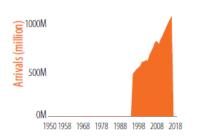
50B

FDI US\$ (trillion) 2T

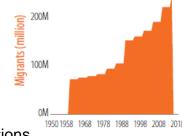
ODA US\$ (billions)

Flows of people Air transport, passengers carried 4R Passengers (billion) 3B 2B 1B 1950 1958 1968 1978 1988 1998 2008 2018

International tourism, number of arrivals



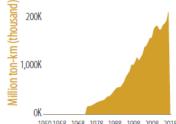
International migrant, total



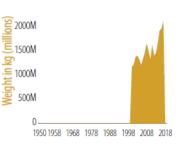
1950 1958 1968 1978 1988 1998 2008 2018 United Nations 1950 1958 1968 1978 1988 1998 2008 2018

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Rice imports by the EU

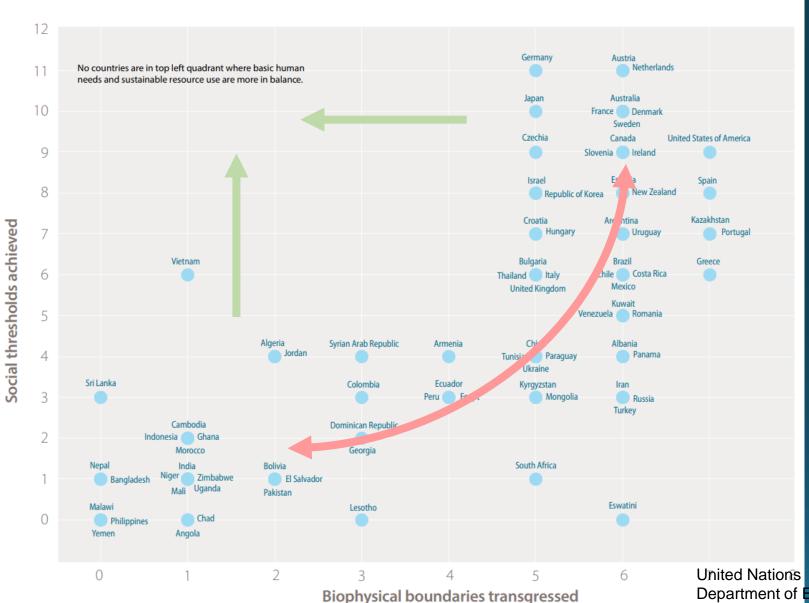


19501958 1968 1978 1988 1998 2008 2018



Striking a better balance – Context matters

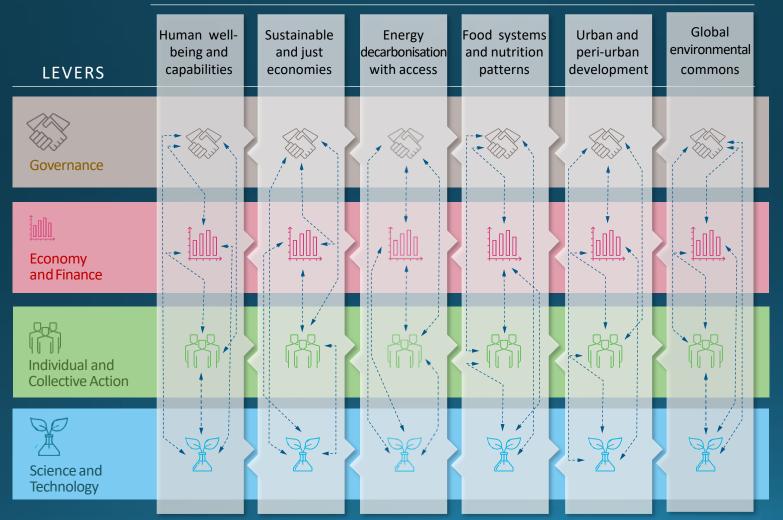
Striking the balance: no country is meeting basic human goals within biophysical boundaries





Pathways to transformation for sustainability

ENTRY POINTS FOR TRANSFORMATION



Each entry point:

- Impediments
- Levers
- Integrated and context-specific pathways
- Call to Action

Pathways are context-specific configurations of levers to achieve transformation in each entry point



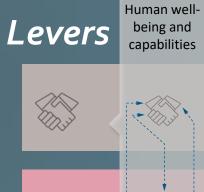
Human well-being - where the world is falling short





Strengthening human well-being and capabilities

Entry point



h



- Ensure universal access to services healthcare, education, clean water, sanitation
- Provide incentives for more and higher quality services
- Eliminate discrimination in laws and norms
- Expand social protection to increase resilience
- Incentivize private sector investments in capabilities
- Increase public-private partnerships ensuring that citizen needs are at the forefront
- Encourage private sector investments in public goods
- Communicate evidence in clear and easily communicated ways
- Reduce social barriers to technology use
- Empower everyone to participate in public dialogue
- Apply new technologies to service delivery and improve access
- Generate better data to inform policies (disaggregated, longitudinal)
- Advance medical research and applications



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Sustainable and just economies – the facts



Economic growth can be decoupled from environmental impacts

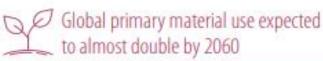


)()^TCOUNTRIES Since 2000, have reduced annual GHG emissions while growing their economies



Carbon pricing revenues raised by governments in 2018 were US\$44 billion compared to US\$33 billion in 2017









Economies need to generate higher and more equal living standards



In almost three guarters of countries,, the share of income paid to workers has declined



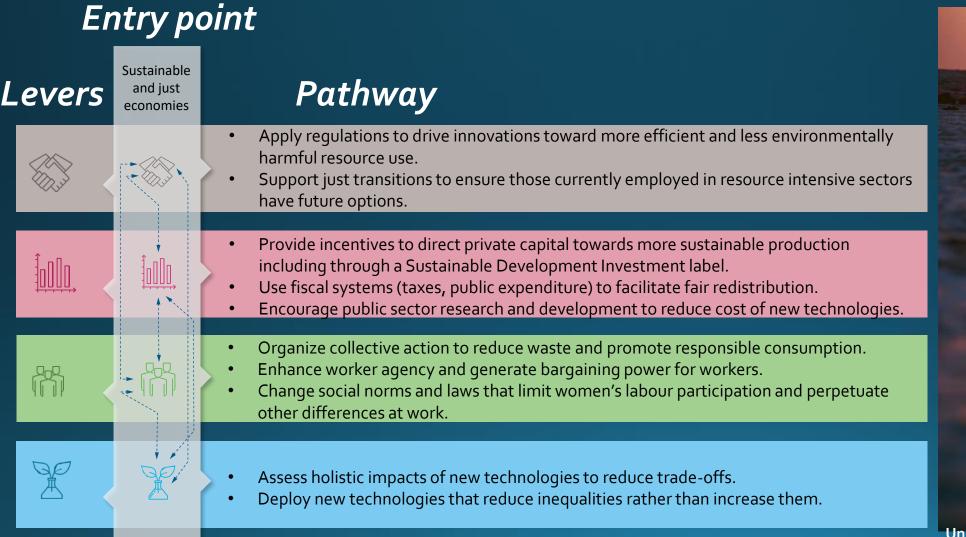
On average, women continue to be paid approximately 20% less than men



of workers in low- and middle-income countries live in extreme or moderate poverty

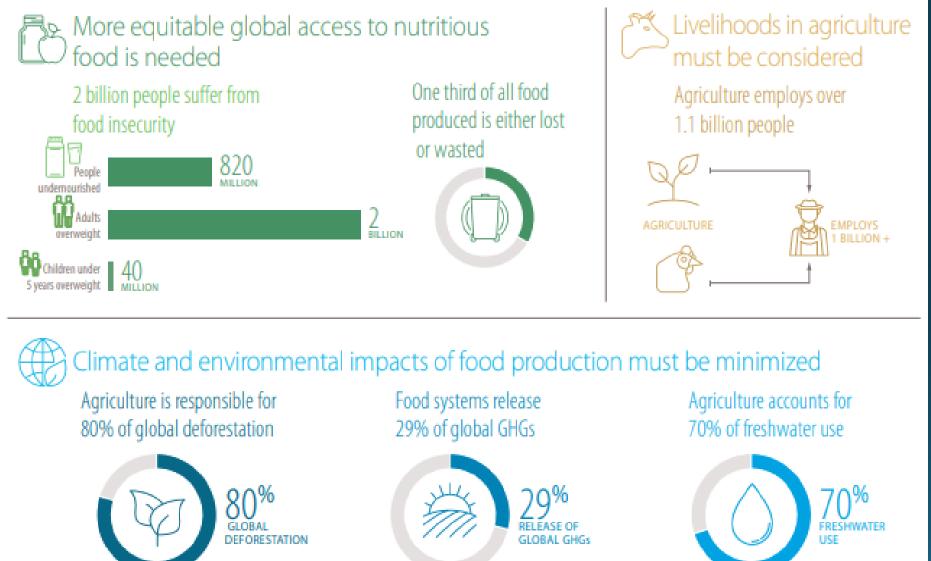


Shifting towards sustainable and just economies



United Nations

Changing food systems is essential for sustainable development



United Nations

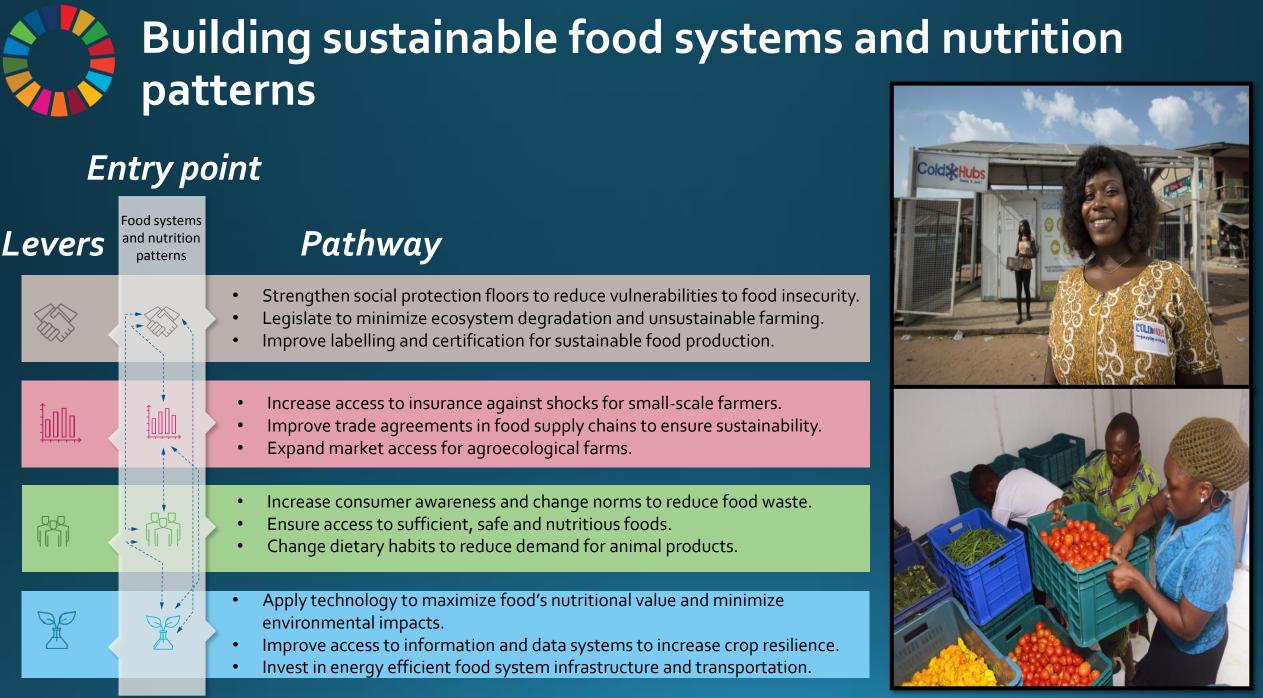
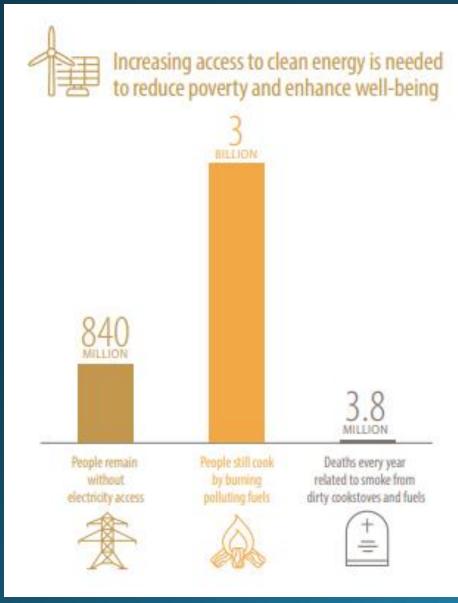
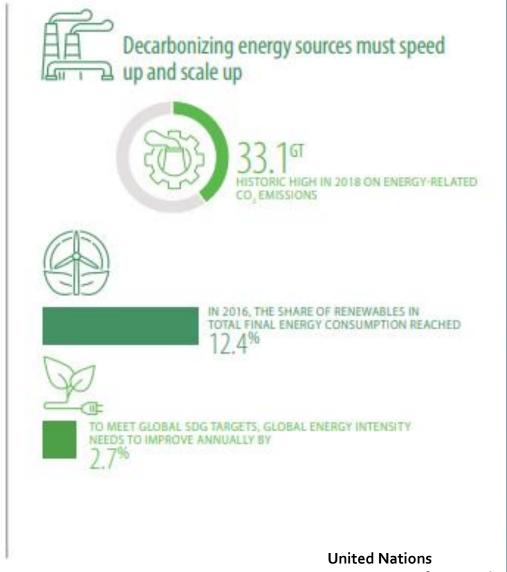


Photo Credit: Xun Wang and Xin Zhang, University of Maryland



Energy decarbonization with universal access







Achieving energy decarbonization with universal access

Entry point

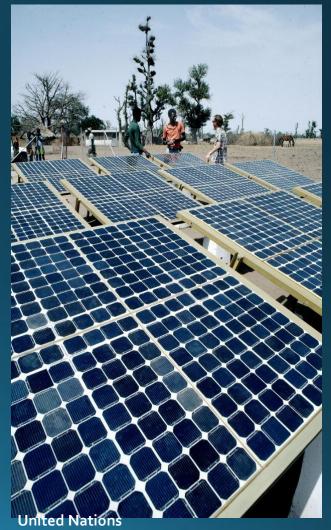
Energy

Levers

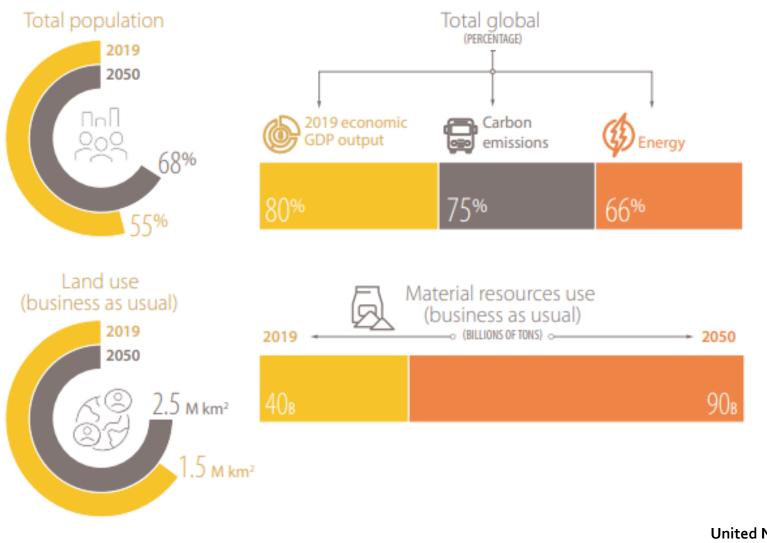
R



- Include clear standards and targets for shares of renewable energy in national plans.
- Mandate and incentivize companies to prepare decarbonization plans.
- Ensure energy access for all and prioritize needs of those at risk of being left behind.
- Shape spending and taxation policies and subsidies to reduce fossil fuel reliance.
- Invest in support to workers who lose livelihoods from phasing out fossil fuels.
- Introduce energy efficiency standards and regulations to reduce consumption.
- Call for energy services that prioritize efficiency and high rates of renewables.
- Harness media to influence energy use practices at home and in transport.
- Support youth action and social mobilization for climate action.
- Apply research and development to support infrastructure for key technologies.
- Implement measures that support wider uptake of existing clean energy technologies.
- Adopt policies and incentives that encourage investment in technology development.

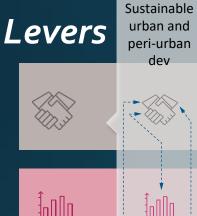


Urban and peri-urban development: growing cities, growing impacts



Promoting sustainable urban and peri-urban development

Entry point







ers	urban and peri-urban		
	dev		









Pathway

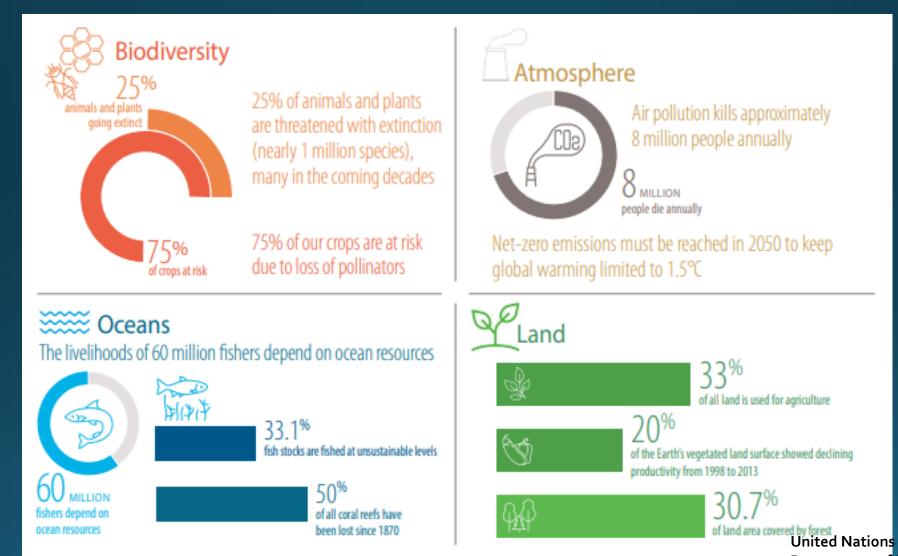
- Shape urban development with a well-planned, evidence based and inclusive approach.
- Make urban governance participatory and reflective of local level concerns.
- Ensure that individual and collective land rights are protected and secure and scale up urban resilience.
- Encourage investment in sustainable infrastructure and services in urban areas.
- Support mass public transport for health, economic dynamism and low emissions.
- Invest in pro-poor urban development that provides decent jobs for all.
- Spur citizen campaigns and social engagement to break unsustainable choices.
- Promote green space, urban biodiversity and urban food production and encourage strong ties with surrounding urban and peri-urban areas.
- Leverage technology and data to help with effective service provision.
- Bolster the "science of cities" to enhance education and training for urban planners and urbanization professionals.



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Human survival and the global environmental commons





Securing the global environmental commons

Entry point

and just





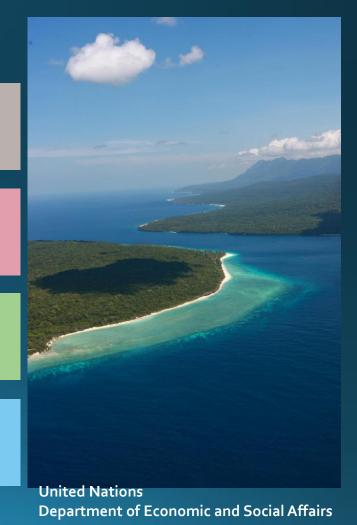




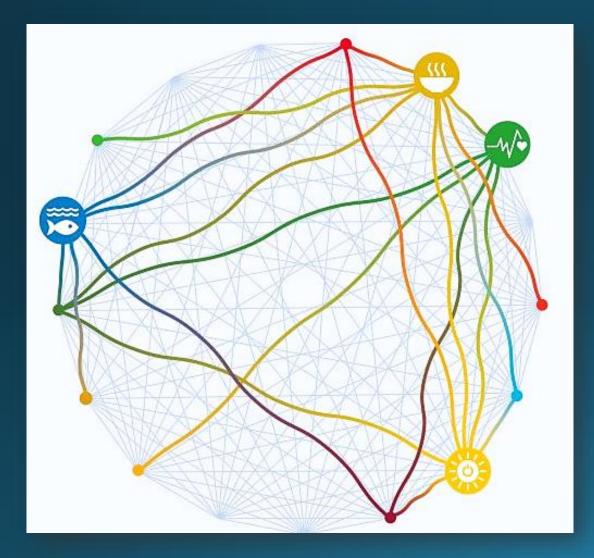


economies			
		•	Fulfill commitme
			environmental co
		•	Support multi-sta
			transforming the

- Pathway
- nts to multilateral agreements which aim to secure the global ommons.
- akeholder platforms and deliberation about collective goals for use of global resources and sinks.
- Direct industry toward approaches that do not generate global damage.
- Enable leapfrogging directly to more sustainable forms of production.
- Encourage impact investing where success is measured by social and environmental benefits.
- Harness social mobilization to raise awareness and catalyse innovation. •
- Encourage individual and collective agency around preserving natural life support systems.
- Incentivize support for negative emissions technologies to scale up use.
- Support science diplomacy for advances in environmental protection including in ungoverned spaces.



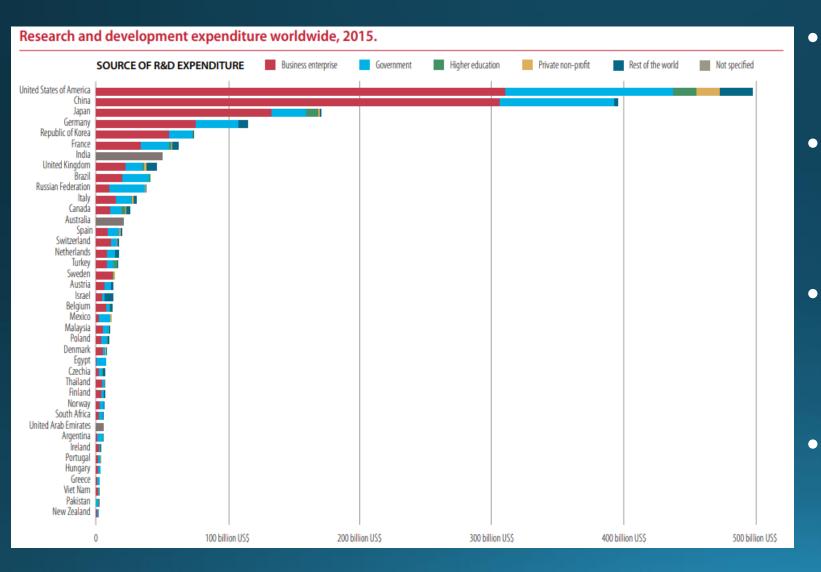
Harnessing science for knowledge-based transformations toward sustainable development



- Support mission driven scientific assessments that cut across silos
- Establish open-access SDG knowledge platforms
- Enhance sustainable development councils and knowledge diplomacy
- Support science partnerships (publicprivate-civil society) and build competencies



Strengthening scientific knowledge in all contexts



- Harness and boost scientific capacities in all regions
- Support curricula and education in sustainable development
- Build national and regional scientific funding institutions
- Influence private R&D expenditure toward SDGs



Science for a decade of action and transformation

- Transformation for the SDGs requires:
 - All stakeholders working together across the six entry points
 - Concerted efforts to apply knowledge of interlinkages across goals to resolve trade-offs and contribute to co-benefits
 - Policy coherence and partnerships across the four levers of change governance, business and finance, individual and collective action, science and technology
 - Implementation of integrated pathways that correspond to specific needs and priorities in different contexts, while contributing to global transformation



Bringing the lessons of the GSDR to life: opportunities at the UN



- Science, Technology, Innovation Forum
- High Level Political Forum
- SDG Good Practices Database





