New Economics for Sustainable Development Global trends and the SDG Framework:

Data needs and issues

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Shanghai, China 3 June 2019





Main Messages

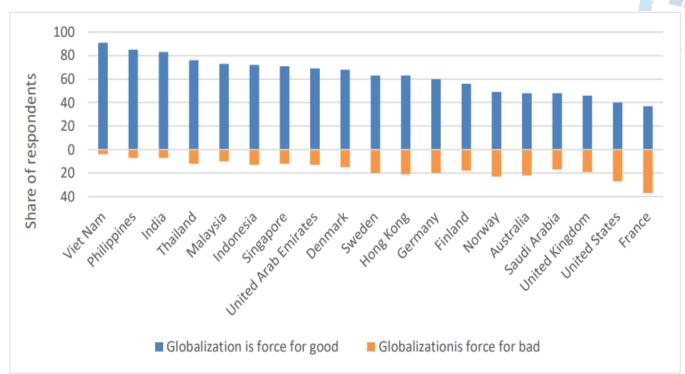
- Trends in globalization, technology, inequalities and climate change have far reaching consequences for societies ... need to revisit conventional thinking
- Strong economic performance has not been people and planet friendly ... need to think beyond GDP
- Adoption of SDG framework is a step in the right direction
 ... need change in mindset for its effective implementation
- Implementation of SDG framework require additional investments and policy actions ... need comprehensive financing strategies and integrated policy frameworks
- Available data shows that all SDGs will be missed in 2030 at current progress ... need more and better data

1. Major Global Mega Trends

Globalization, Technology, Inequalities, and Climate Change



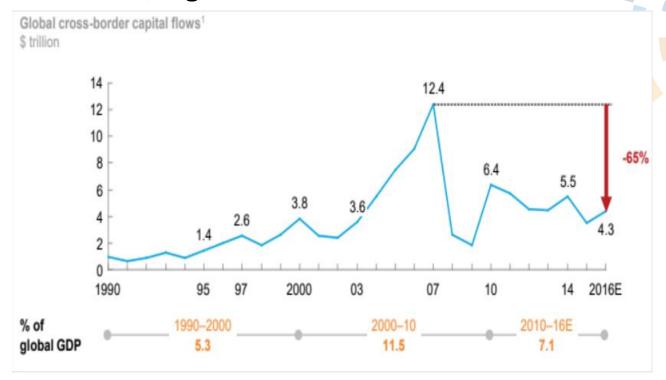
Unlike advanced countries, Asia-Pacific developing countries remain positive about globalization ...





Source: Yougov.com (2016), International surveys.

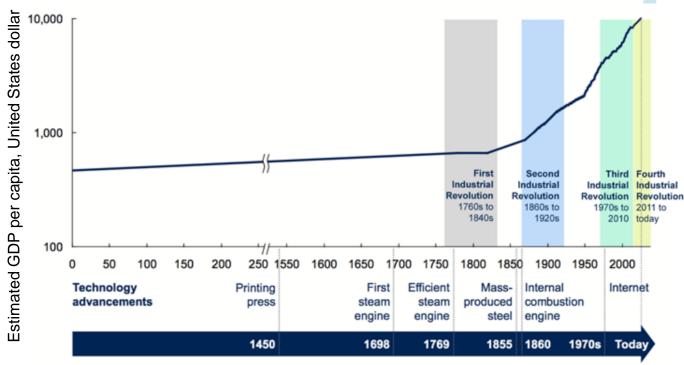
... but some aspects of globalization have been excessive; e.g. cross-border financial flows



Source: McKinsey (2017).



Rapid technological advancements have boosted economic growth and productivity...



Source: ESCAP

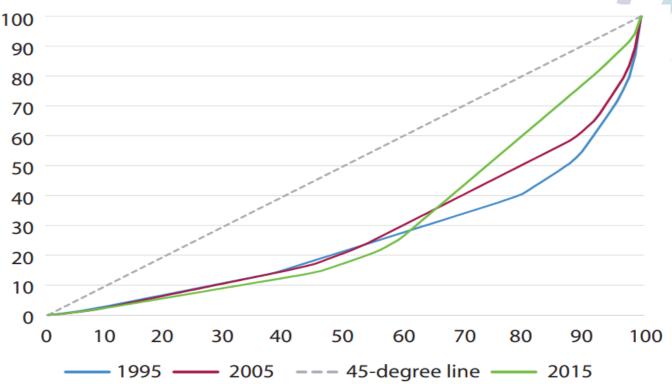


...but new technologies also bring new risks and challenges

- Financial technologies (FinTech)
 - Digital payment platforms could undermine central banks' ability to influence money demand and supply
 - Without prudent regulations, online financial transactions could pose higher default risks or be used for illicit activities
- The potential impact of artificial intelligence (AI) and automation on job losses, especially lowskilled.



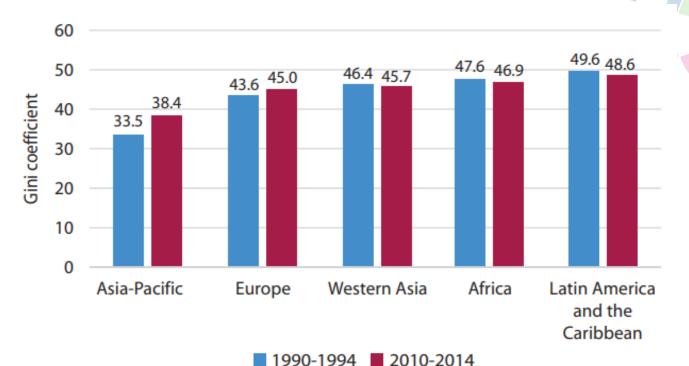
Overall between-country inequality in Asia-Pacific declined in recent years ...



Source: ESCAP.



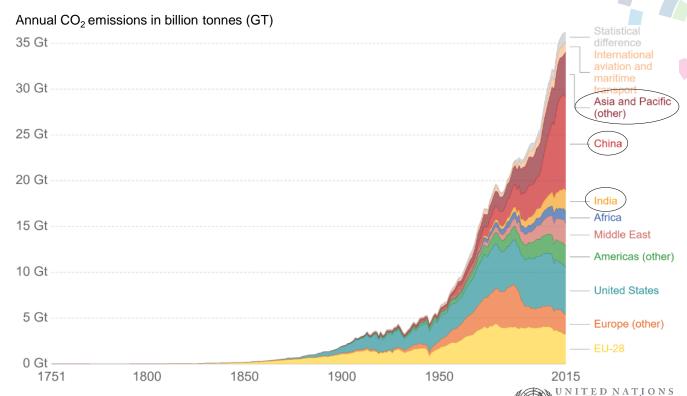
... but within-country income inequality has risen in Asia-Pacific





Source: ESCAP.

Environmental degradation: Global CO₂ emissions have increased dramatically



Source: Carbon Dioxide Information Analysis Centre (CDIAC).

2. Going Beyond GDP

Thinking about alternatives

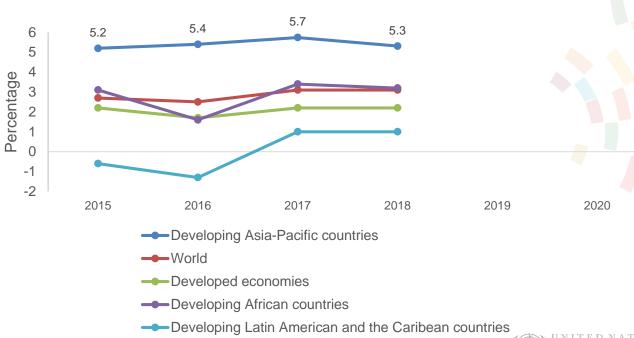


Robert F. Kennedy



Growth moderated in 2018 but outlook remains broadly stable

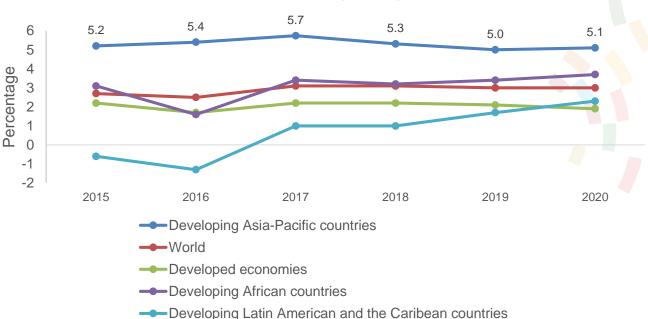




Source: ESCAP and DESA

Growth moderated in 2018 but outlook remains broadly stable

Global and regional growth



Source: ESCAP and DESA



Stable economic conditions provide an opportunity to raise our ambitions beyond GDP

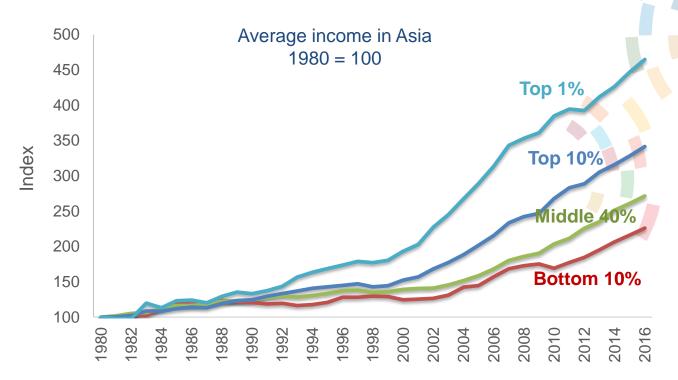


"critics indict both economic science and economic policy for blind obeisance to aggregate material 'progress', and for neglect of its costly side effects.

Growth, it is charged, distorts national priorities, worsens the distribution of income, and irreparably damages the environment"

William Nordhaus and James Tobin, 1972

Focusing on economic growth alone has come at a cost to social inclusiveness...



Source: World Inequality database.



Air Pollution





Climate risk





Climate disasters





Thinking beyond GDP: understanding theoretical reasons for its popularity

- Preoccupation with GDP is rooted in the belief that:
 - maximization of consumption or income is a principle goal of individual human activity and source of utility or satisfaction;
 - society's welfare can be evaluated by considering the sum total of utilities of all individuals; and
 - there is agreement in a society on such a welfare criterion.



Thinking beyond GDP: examples of some alternatives

- UNDP's Human Development Index (HDI)
 - not only extends the dimensionality simultaneous focus on GDP per capita, education and life expectancy – but also attempts to capture the diminishing importance of income with increasing GDP.
- OECD's framework for measuring well-being and progress,
 - based on the recommendations of the Stiglitz-Sen-Fitoussi led Commission in 2009, is built around three distinct domains of a society's welfare: material conditions, quality of life and its sustainability over time.



Thinking beyond GDP: examples of some alternatives

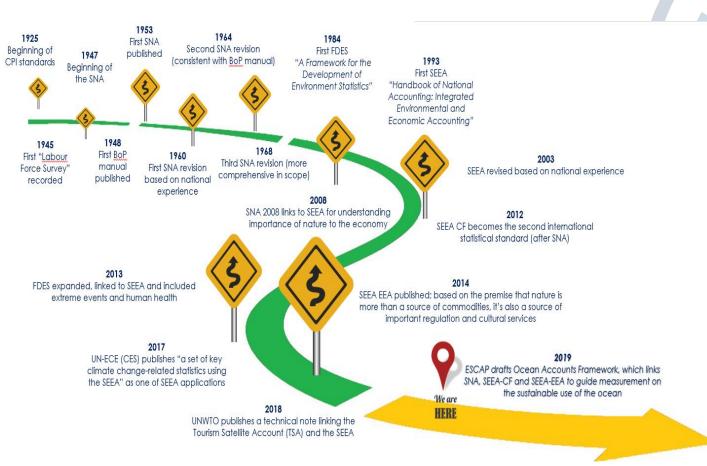
- Inclusive Wealth Indicator (IWI)
 - based on the high-level panel set up by UN-SG in 2012.
 The social welfare in the IWI framework is defined as
 private consumption adjusted for income inequalities;
 public services consumed by households; and
 environment services adjusted for pollution, exhaustion
 of fossil resources and damages to biodiversity.
- The 2030 Agenda for Sustainable Development
 - Endeavors to pursue multi-dimensional human wellbeing, social inclusiveness and environmental sustainability. It includes 17 Sustainable Development Goals that form a shared vision of humanity – people, planet, prosperity, peace, and partnership.

The SDG framework: Need to go beyond the system of national accounts

- SDGs emphasize synergies across economic, social and environmental dimensions of development.
- GDP measures economic activity, but does not reflect peoples well-being and environment aspects
- A need for 'physical' accounts to complement traditional 'monetary' accounts
 - A platform to integrate economic, social and environment statistics
 - Comprehensive view, e.g. all natural inputs, whole ocean, and all uses and users



The journey on economic statistics and environmental-economic accounts



3. Pursuing the SDG Framework

Examples from ESCAP



Implementing the SDG Framework: Perspectives from two recent ESCAP publications

Estimating SDG investment needs

(Economic and Social Survey of Asia and the Pacific 2019)

Financing strategies

Implementation

Tracking SDG progress

(Asia and the Pacific SDG Progress Report 2019)



3.1 Estimating SDG investment needs

Methodologies and data issues



Framework to estimate SDG investment requirements: An example from ESCAP

- Considered five major investment areas:
- achieve basic human rights through no poverty and hunger people (Goals 1 and 2);
 - develop human capacities through health, education and gender (Goals 3, 4, and 5);
- prospe trity

increase the provision of enabling infrastructure, covering transport, ICT and water and sanitation (Goals 6, 9, 11, and 17);

- planet
- secure humanity's future through clean energy and climate action (Goals 7 and 13); and
- live in harmony through sustainable consumption and production, and biodiversity(Goals 8, 12, 14, and 15).



From 17 Goals to 5 investment areas and 3 dimensions... spanning people, prosperity and the planet ...





General methodology

- Builds on costing models used by specialized agencies in their respective area of work
 - DESA, FAO, IEA, ILO, UNCTAD, UNDP, UNESCO, UNICEF and WHO
- Intervention- and unit cost-based costing for most social and infrastructure sectors
- Integrated models for energy and the environment
- Aggregation issues



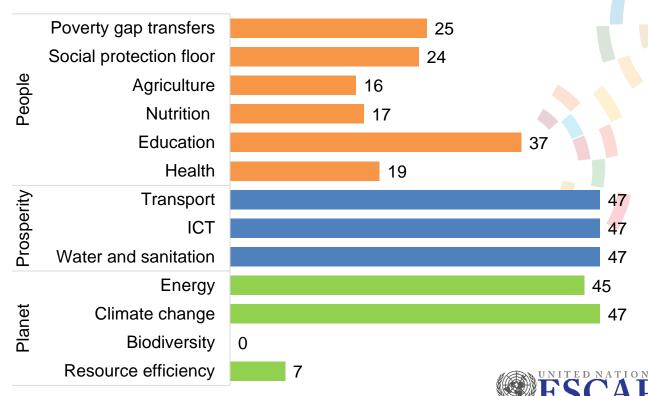
Data requirements for estimating SDG investment needs

- Data on SDG targets and indicators
 - e.g. poverty incidence, malnutrition, household spending on education, etc
- Current spending or investment flows, from public and private sources
- Long-term projections of key variables, e.g. population, GDP and urbanization rate.
- Detailed administrative data to compute the unit costs of interventions needed.
- Time-series data help create future scenarios.



Data availability on SDG areas vary notably

Number of Asia-Pacific countries with available data for each SDG costing area



Data issues for estimating SDG investment needs

- Some SDGs do not have numerical targets.
- For SDGs without an internationally agreed numerical target, a target value relies on national consultation.
- Establishing a baseline on current spending for some SDG sectors is challenging, e.g.
 - Public spending on vocational training, biodiversity and ecosystems
 - Capital and recurrent expenditures on transport, ICT, energy, water and sanitation
- Large data gaps for small island developing States

3.2 Estimating SDG investment needs:

Results



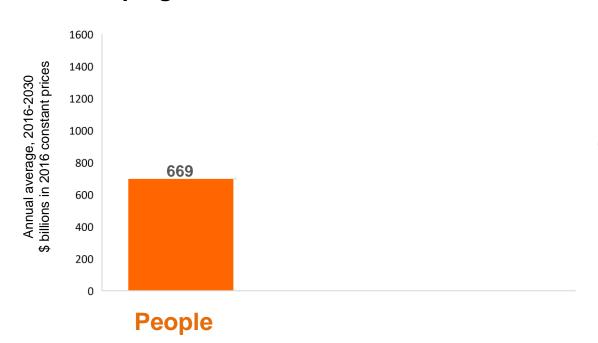


Survey 2019 estimates an investment gap of \$1.5 trillion per year or 5% of GDP for developing Asia-Pacific ...



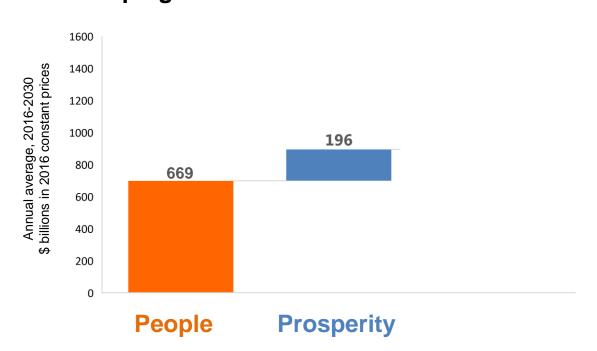


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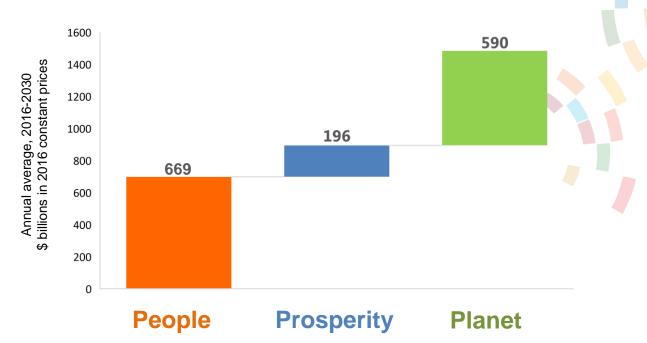


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Survey 2019 estimates an investment gap of \$1.5 trillion per year or 5% of GDP for developing Asia-Pacific ...





... or ≈ \$1 per person per day It's within reach!

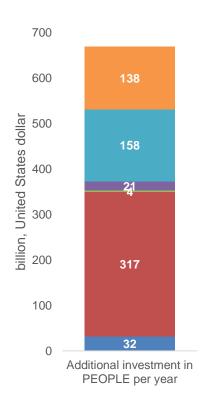


INFRASTRUCTURE

FOR ALL



Investing in PEOPLE to realize basic human rights and human capacities



- Universal access to quality education
- Universal health coverage
- Agricultural productivity
- Nutrition-specific interventions
- Social protection floor





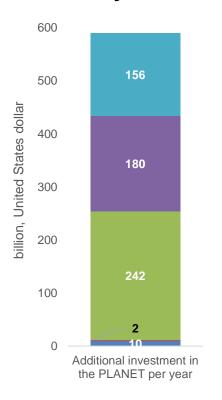








Investing in PLANET to secure our future through clean energy and climate action and living in harmony with nature



Biodiversity





Energy efficiency

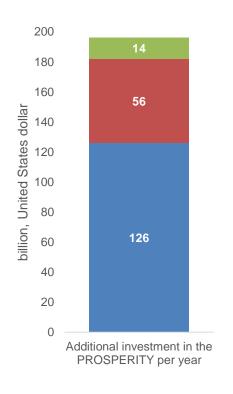


- Universal access to clean cooking
- Universal access to electricity





Investing in PROSPERITY to improve access to infrastructure



- Water and sanitation
- Information and communications technology











Investment gap varies significant across the region, rising to 16% of GDP in LDCs and 10% in

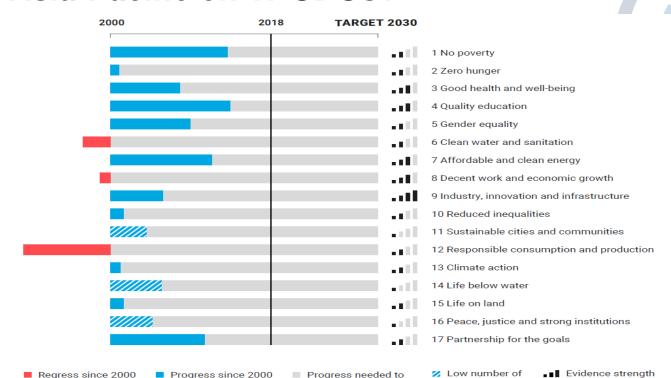
South Asia



3.3 Tracking SDG progress in Asia-Pacific



How much progress has been made in Asia-Pacific on 17 SDGs?



achive target in 2030

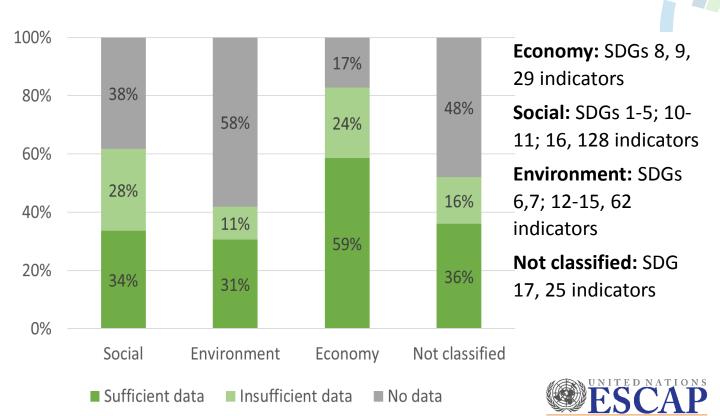


indicators used

How far will Asia-Pacific be from SDG targets by 2030?

ce of
2.5 Genetic diversity 2.4 Sustainable food production
3.9 Health impact of t pollution 3.3 Communicable diseases
nancing 3.8 Health coverage 3.5 Substance abuse
Idhood 4.3 TVET & tertiary education 4.5 Equal access to education
lated
ry of 8.4 Global resource 8.2 Economic diversification &
cture 9.b Domestic 9.2 Industrialization technology
MAINTAIN progress to achieve target
ince to sters
ACCELERATE progress to achieve targ
DEVELOPMENT AND ADDRESS ASSESSMENT
REVERSE trend to achieve target
nal & Insufficient data
ts of 17.10 Multilateral 17.9 Capacity building for SDGs

SDG data availability in Asia-Pacific by development dimension



Data issues for tracking SDG progress

- Insufficient data
 - Data gaps remain for two thirds of the SDG indicators.
 - Availability of social and environmental data is more limited than economic domains.
- Surveys are key source of country-level SDG data, although administrative data can be produced at a lower cost and more rapidly.
- Scope to make greater use of alternative data sources, e.g. satellite images and remote sensing
- Need more disaggregated data by age, sex and location for many SDG indicators.

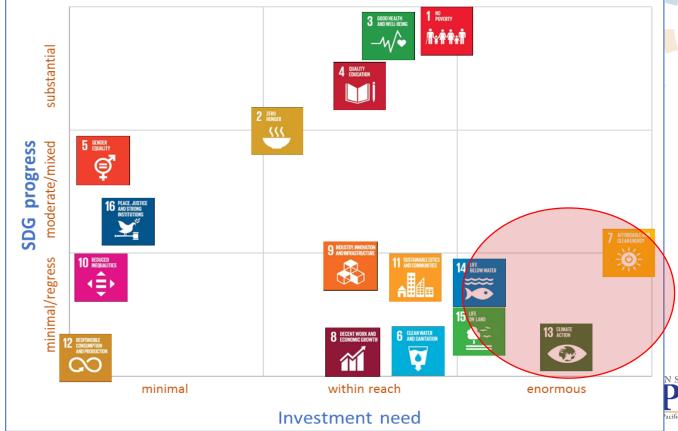


3.4 Prioritizing SDGs Required investments vs progress made













Takeaway messages

- New economics of sustainable development will need to go beyond GDP and internalize the implications of global mega trends
- Findings from ESCAP studies on implementing SDG Framework:
 - Achieving SDGS is largely affordable: at an additional \$1.5 trillion per year or \$1/person/day
 - To achieve SDGs by 2030, Asia-Pacific needs to step up efforts in all Goals
 - Large data gaps for social and environmental data, and for small Pacific islands
- Good statistics can allow policymakers to operationalize SDG framework, e.g. identify needed interventions, and prioritize SDG investment areas.

Thank you!

Please visit

www.unescap.org/publications/economic-and-social-survey-asia-and-pacific-2019

www.unescap.org/publications/asia-and-pacific-sdg-progress-report-2019

