

The background of the slide is a scenic landscape photograph. It shows a vast expanse of green, forested mountains under a blue sky with scattered white clouds. In the foreground, the dark, silhouetted branches and leaves of trees are visible, framing the top and right sides of the image.

THE

Using UN SDGs to drive Impact around the world



Duncan Ross
@duncan3ross
Chief Data Officer,
THE

Firstly... a bit about rankings

- They are imperfect
- They are all wrong
- They are very visible
- They should reflect performance, not drive it*



Understanding universities across the world



Young Universities

Reputation

Geographical

Subjects



European Teaching
Rankings



Objectives

- Understand how universities are making a positive impact on our world
- Show how the Higher Education sector is working towards the UN Sustainable Development Goals
- Showcase aspects of university performance not covered in other rankings
- Be fair to universities across the world
 - Recognise that we bring our biases to the process
 - Be committed to improving the rankings year by year



Why use the Sustainable Development Goals to measure impact?

- The Sustainable Development Goals are a call for action by all countries – poor, rich and middle-income – to promote prosperity while protecting the planet.
- They recognize that ending poverty must go hand-in-hand with strategies that build economic growth and address a range of social needs including education, health, social protection, and job opportunities, while tackling climate change and environmental protection.



What aspects of impact are we exploring?

- Research
 - Research impacts the world by giving us the direction of travel, by helping us to understand how and why to make changes, and by putting this in the context of our beliefs and societies
- Stewardship
 - How we use our resources, fairly and equitably, shapes our impact on the world
- Outreach
 - Working directly with our communities and nations directs our impact within the wider context of society, and amplifies the work we do

How did we (try to) make it fair?

- No entry criteria
- Minimise SDGs in submission
- Think carefully about metrics
- Listen to input from universities, organisations, and individuals
- Publish each of the SDGs, not just overall score
- Banding to reflect uncertainty



THE

Evaluation process

A starting point: 11 SDGs



Scoring Overview

Universities could submit to as many SDGs as they wished

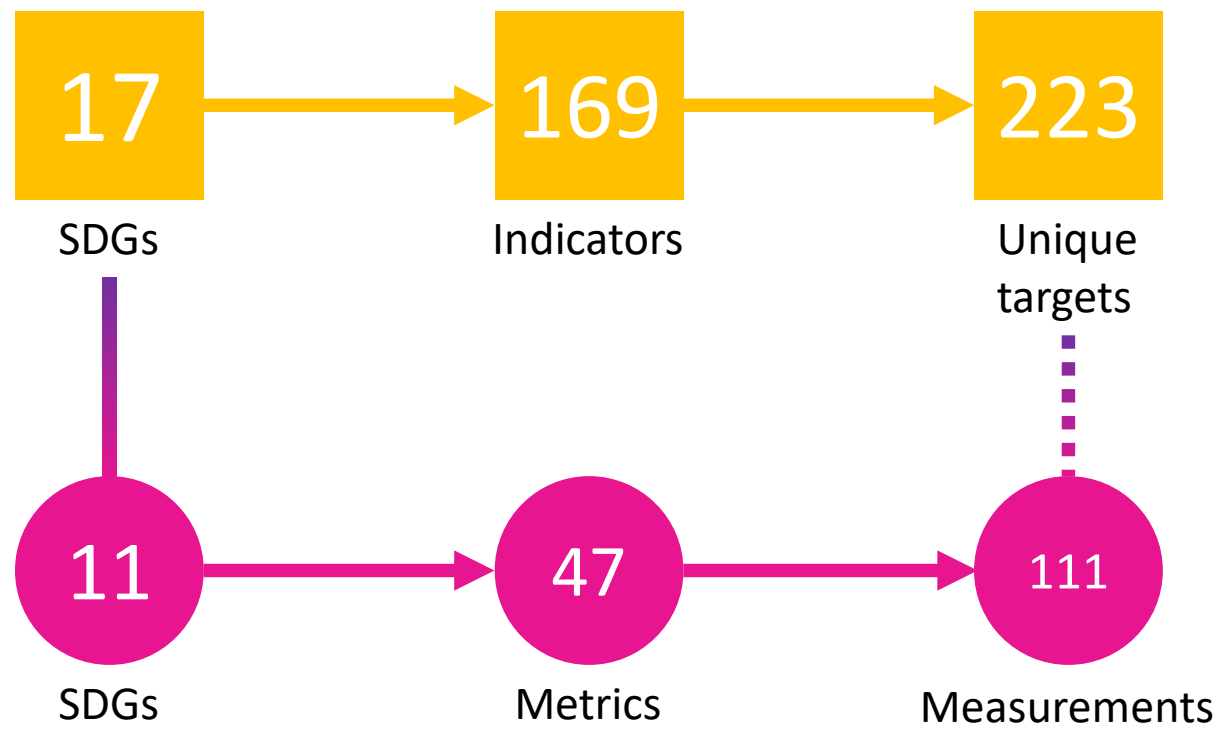
Each SDGs has 3-6 metrics

Bibliometrics will always represent the same proportion of overall score, regardless of SDGs chosen

$$17 + A + B + C$$

$$22 + 26 + 26 + 26 = 100$$

How have we gone from an SDG to a metric?



A note on policies

We have asked for evidence of policies as an indicator of intent and protections.

- Policies should be recent, or recently reviewed
- Law is not, usually, a replacement for policy. Policies show how an institution will enact law. They provide extension, or enhancement of protection beyond current legal position.
- There may be exceptions where university employees are direct employees of the State (for example, for minimum/living wage)
- We have looked for evidence that a policy exists, and that it covers the area in question. We have not evaluated the quality of the policy

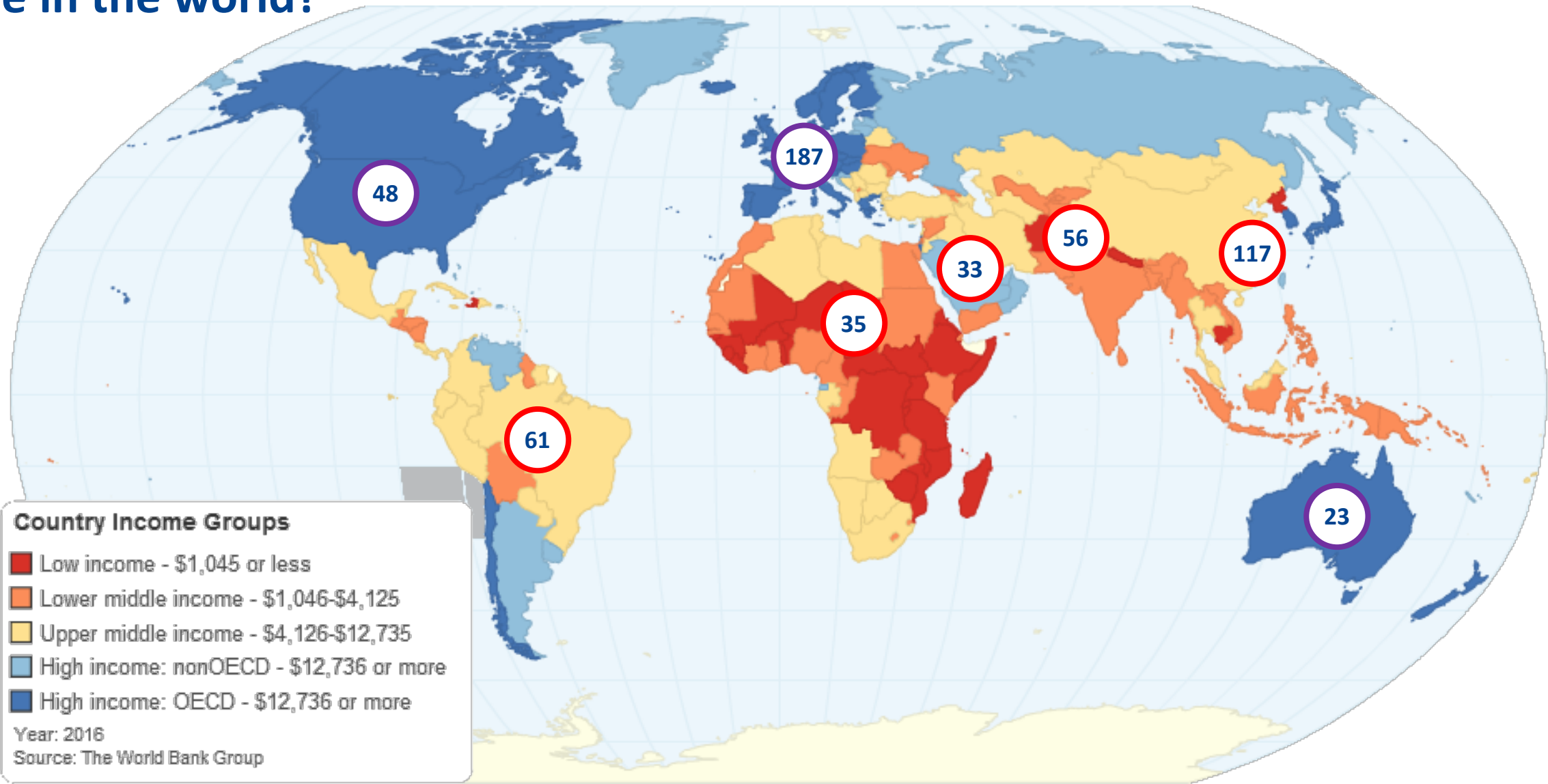
Of course, having a policy does not guarantee enacting it effectively

The logo for THE (Times Higher Education) is displayed in a bold, sans-serif font. The letter 'T' is red, the 'H' is magenta, and the 'E' is blue. The background of the slide is a dark, atmospheric photograph of a forested mountain range with tree silhouettes in the foreground.

THE

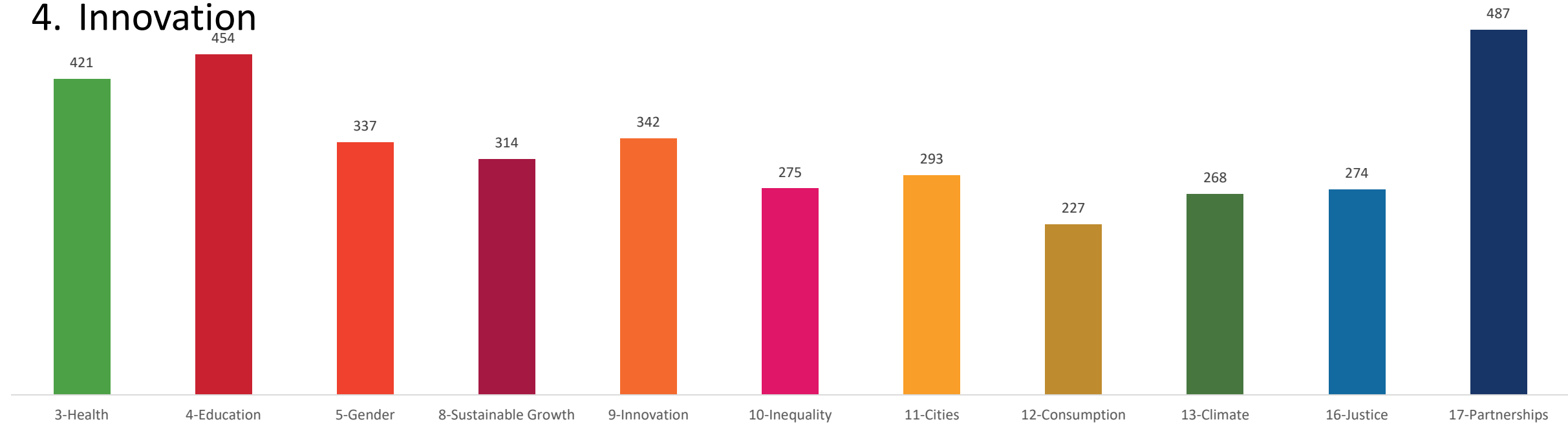
560 universities
submitted data

Where in the world?

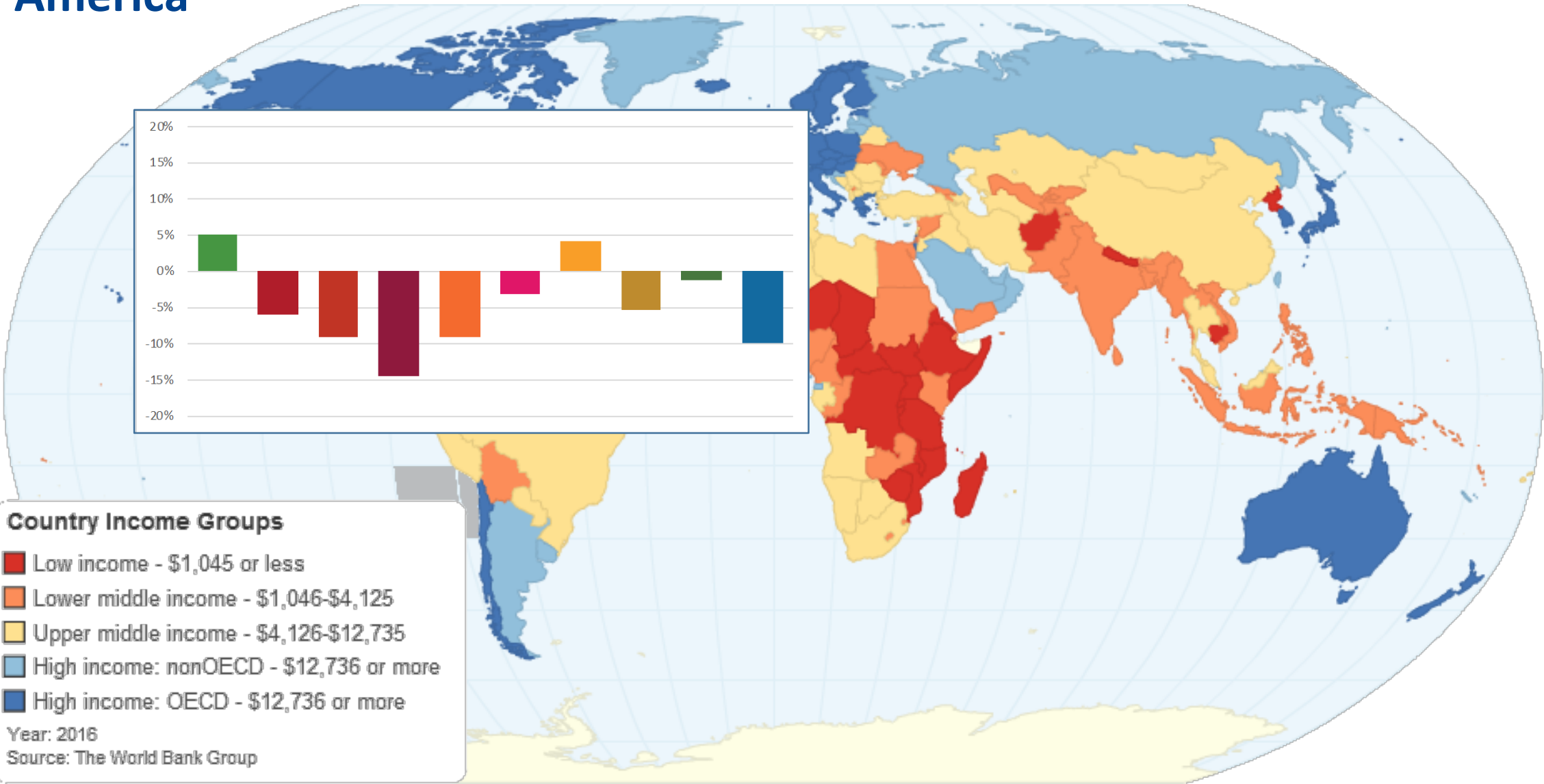


Most frequently submitted to:

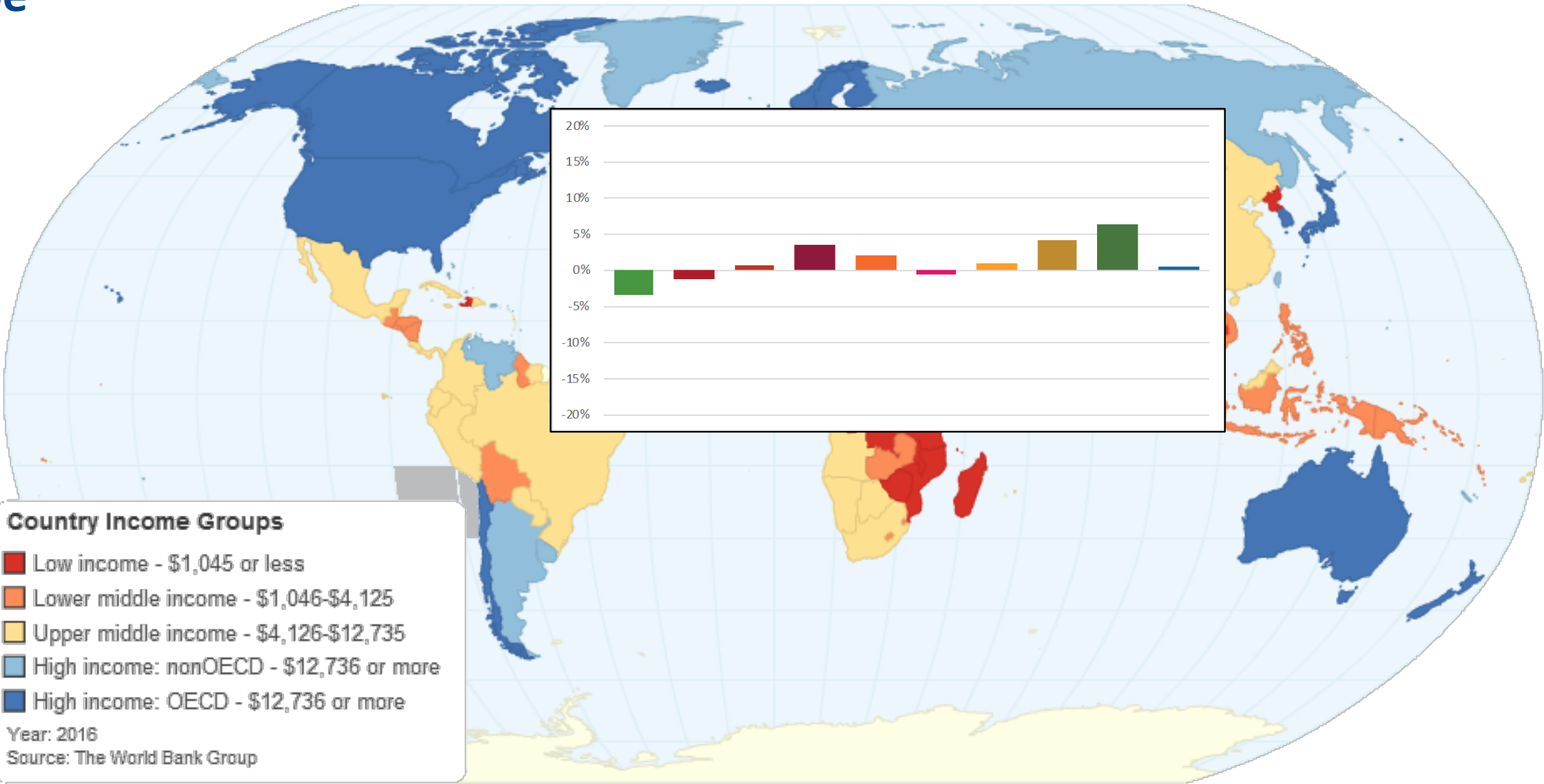
- 1. Partnerships
- 2. Education
- 3. Health
- 4. Innovation



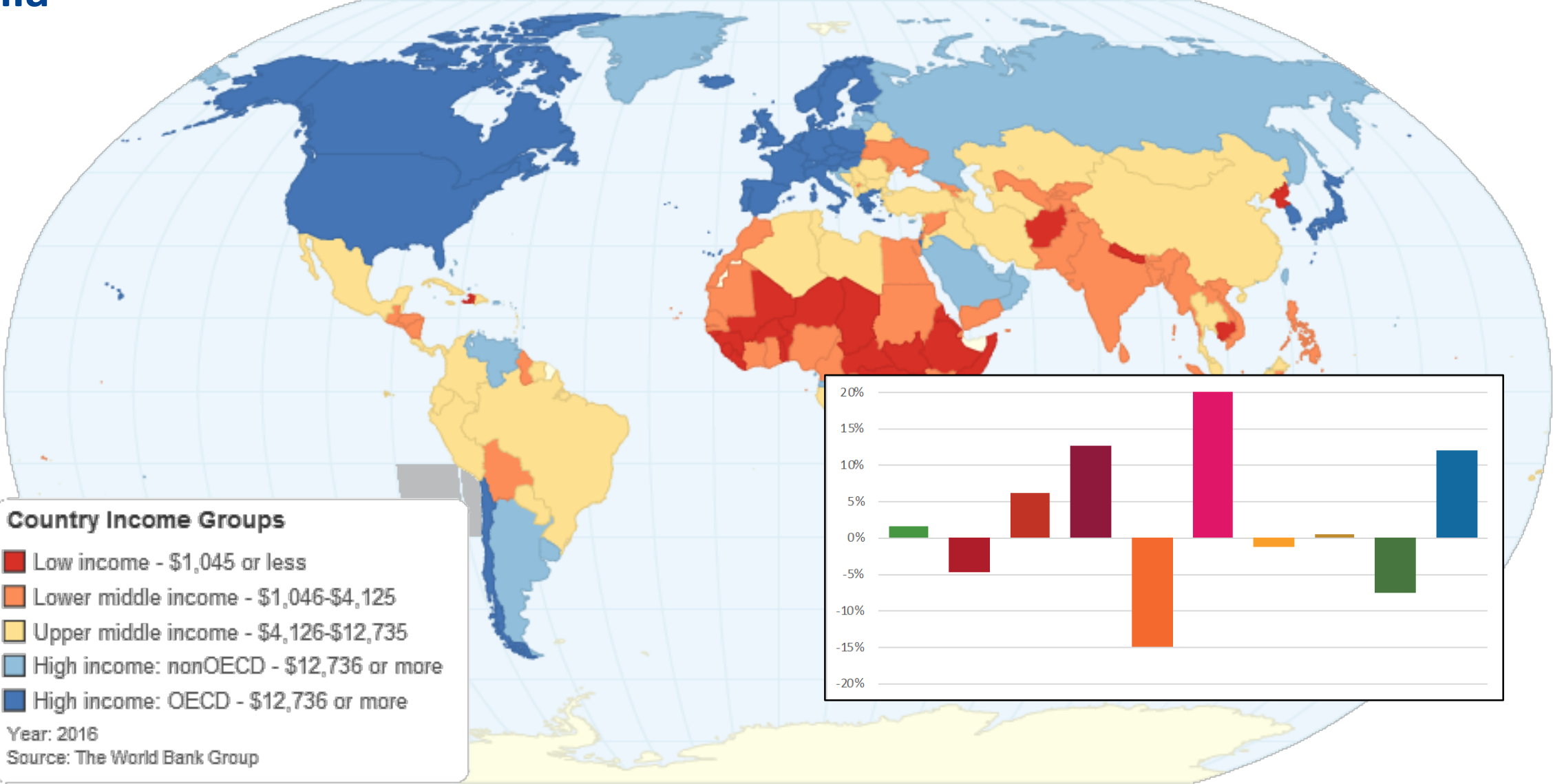
North America



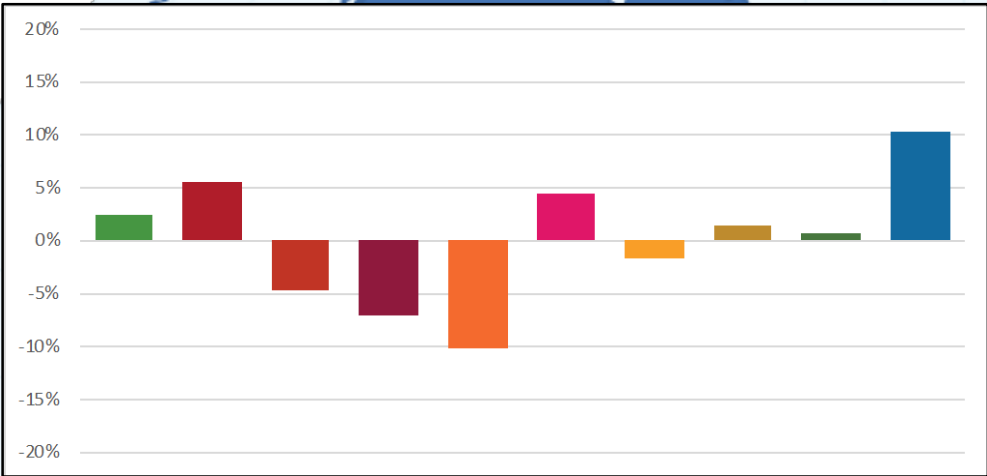
Europe



Oceania



Latin America



Country Income Groups

- Low income - \$1,045 or less
- Lower middle income - \$1,046-\$4,125
- Upper middle income - \$4,126-\$12,735
- High income: nonOECD - \$12,736 or more
- High income: OECD - \$12,736 or more

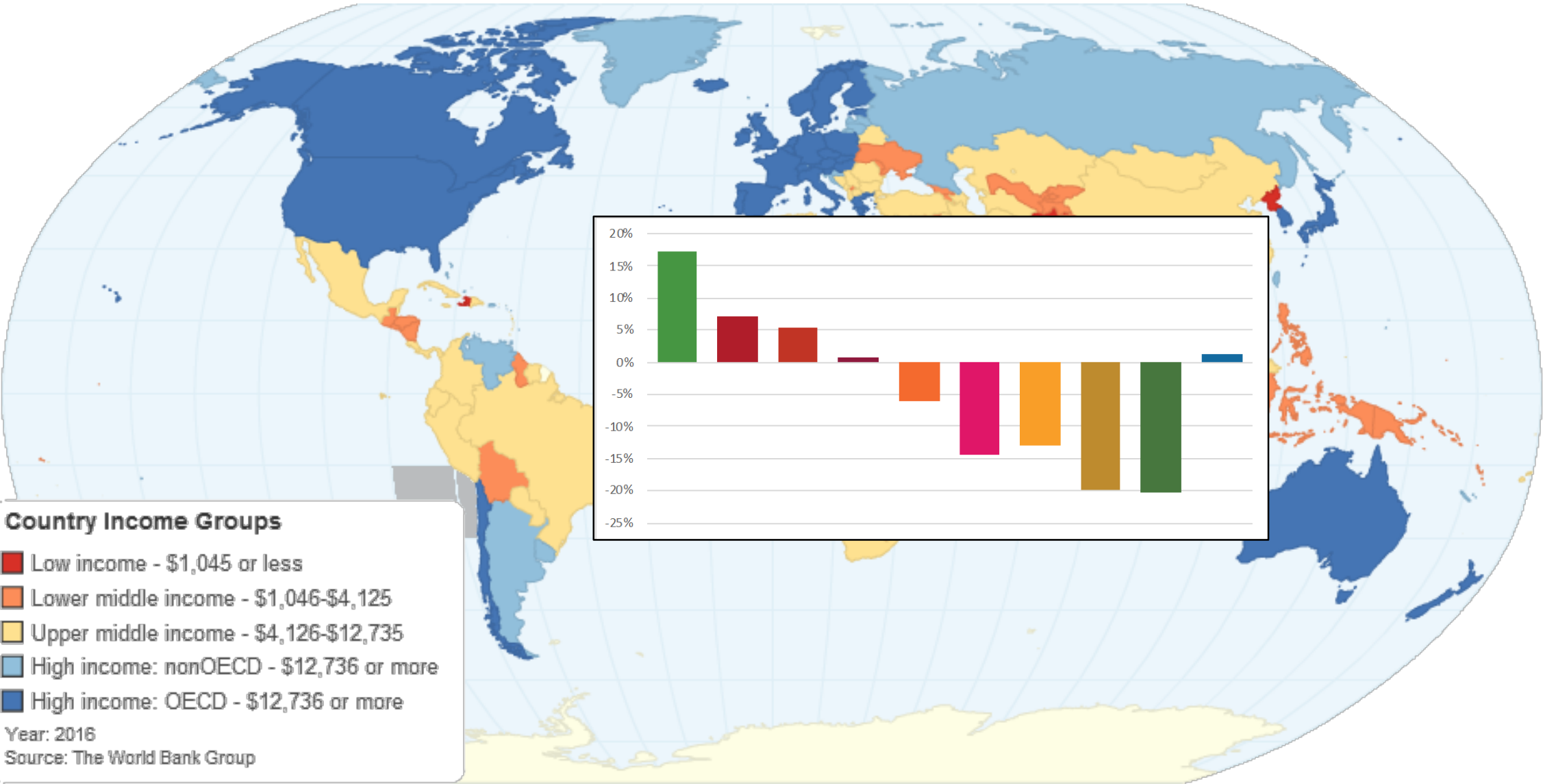
Year: 2016
Source: The World Bank Group



THE UNIVERSITY
IMPACT
RANKINGS



Africa



Country Income Groups

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- Lower middle income - \$1,046-\$4,125
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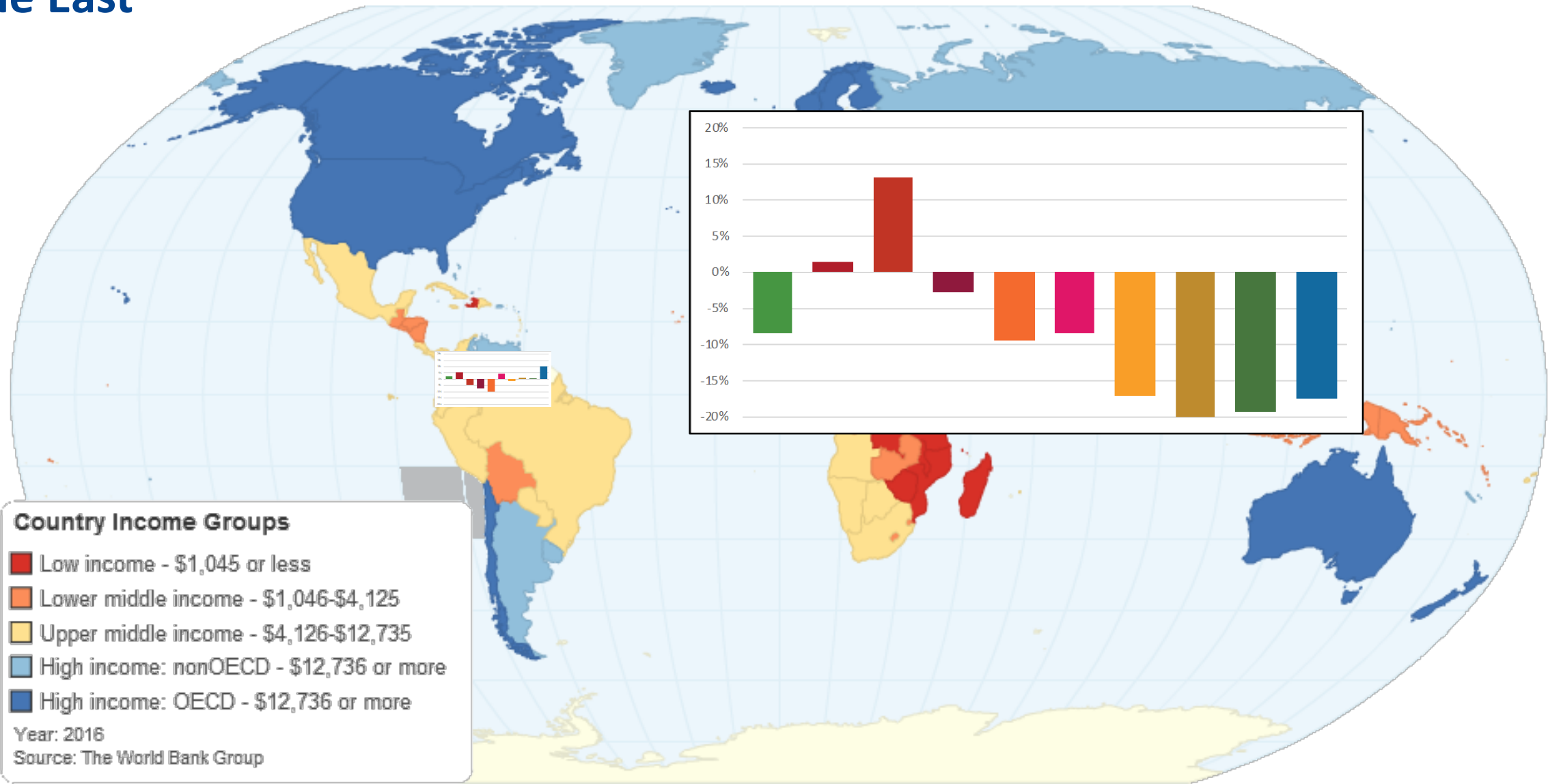
Year: 2016
Source: The World Bank Group



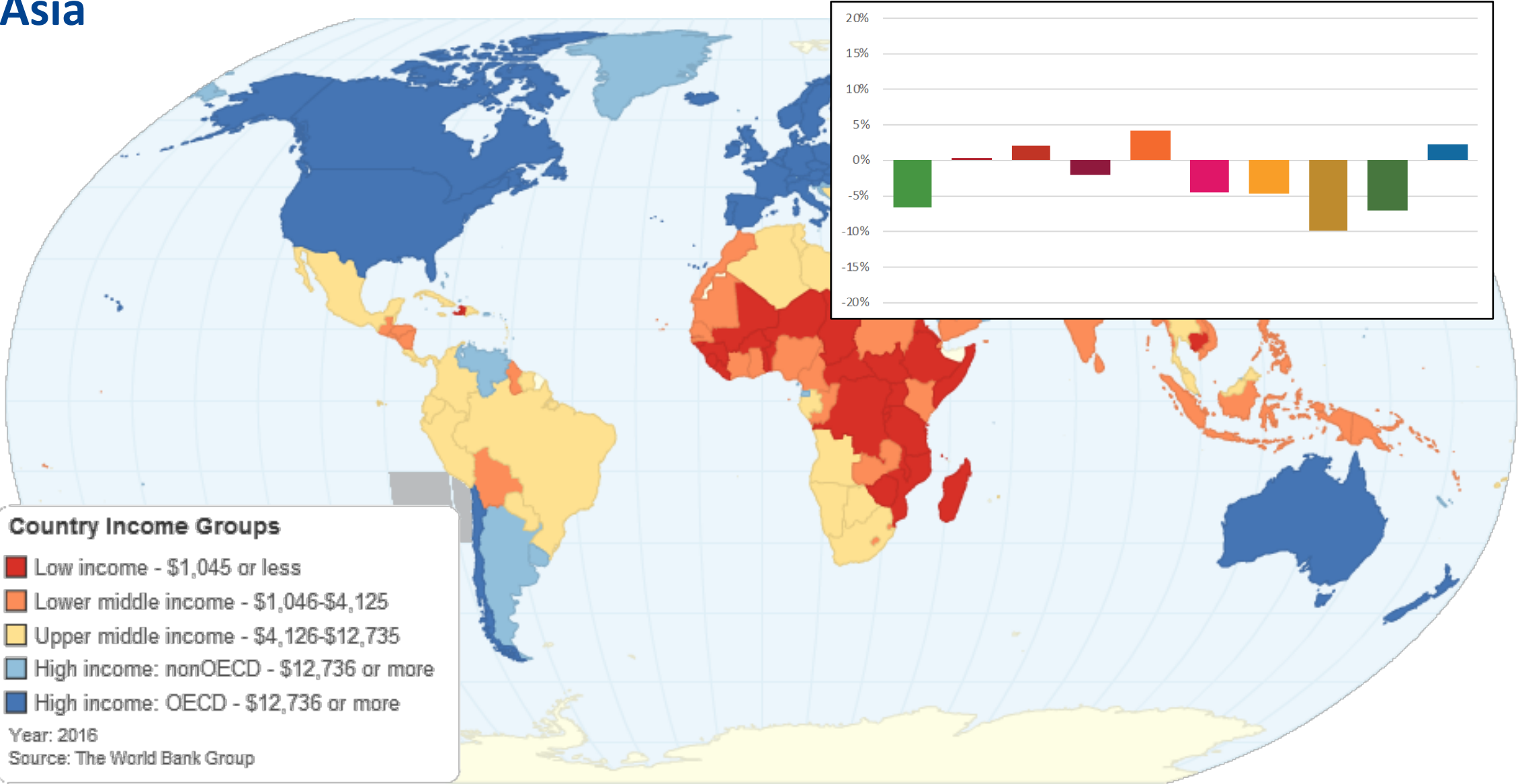
THE UNIVERSITY
IMPACT
RANKINGS



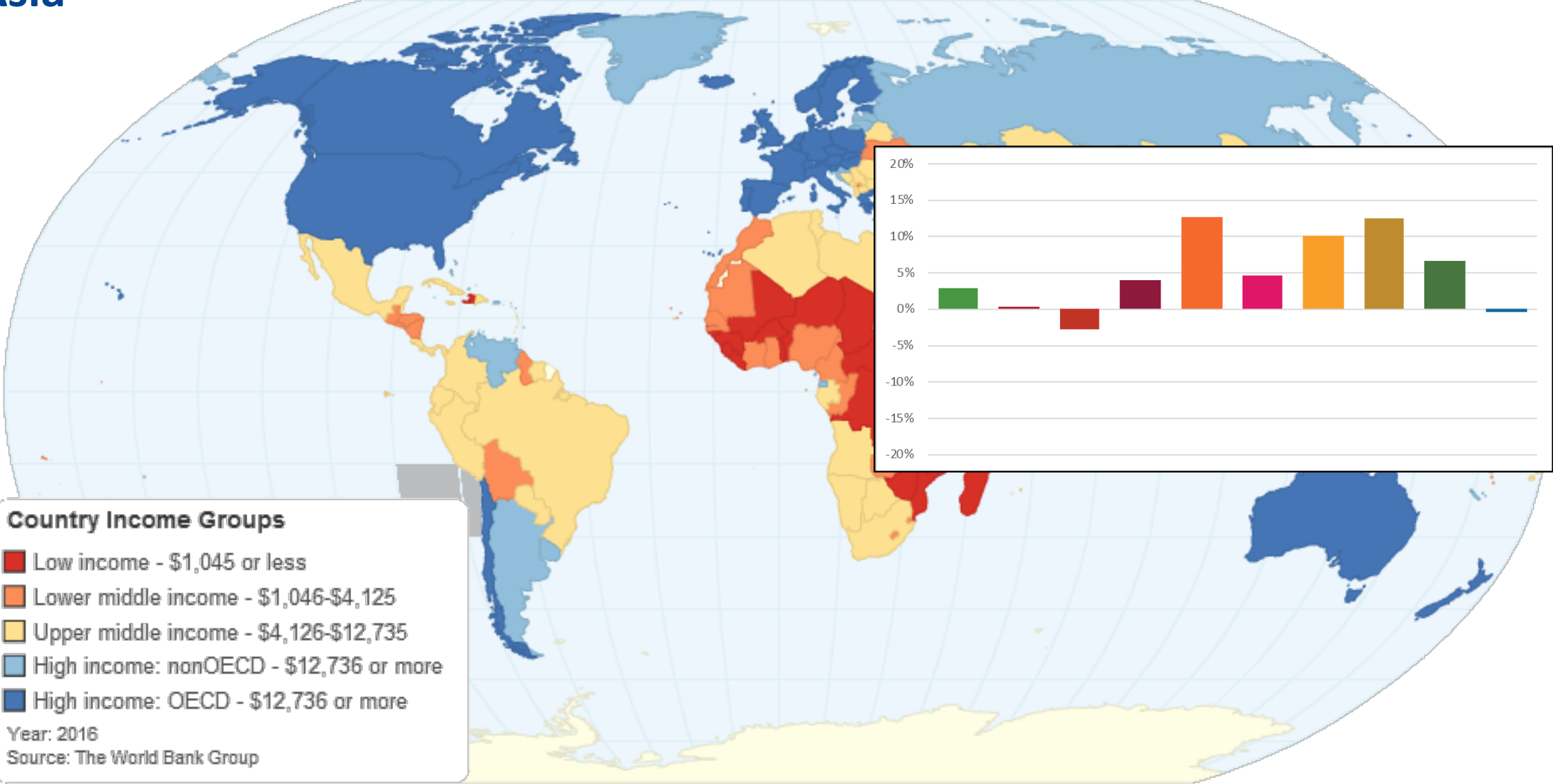
Middle East



West Asia



East Asia



Which SDGs did Keele University submit to?



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Revitalize the global partnership for
sustainable development





Working across sectors and geographies to achieve the goals, and publishing their performance

	Metric	Type	Data source	Area	Description
17.i	Proportion of all SDG research with international coauthorship	Continuous	Elsevier	Research	6
17.ii	Relationships with NGOs, Regional and National Government	Pick list	University	Outreach	5
17.iii	Publish outputs across all SDGs	Continuous	University	Stewardship	11



101-200

THE

Ensure healthy lives and promote well-being for all at all ages





Exploring how universities deal with specific conditions and diseases, and support their community

	Metric	Type	Data source	Area	Percentage
3.i	Research	Continuous	Elsevier	Research	7
3.ii	Number graduating in health professions	Continuous	University	Outreach	9
3.iii	Health impact	Pick list	University	Outreach/ Stewardship	10



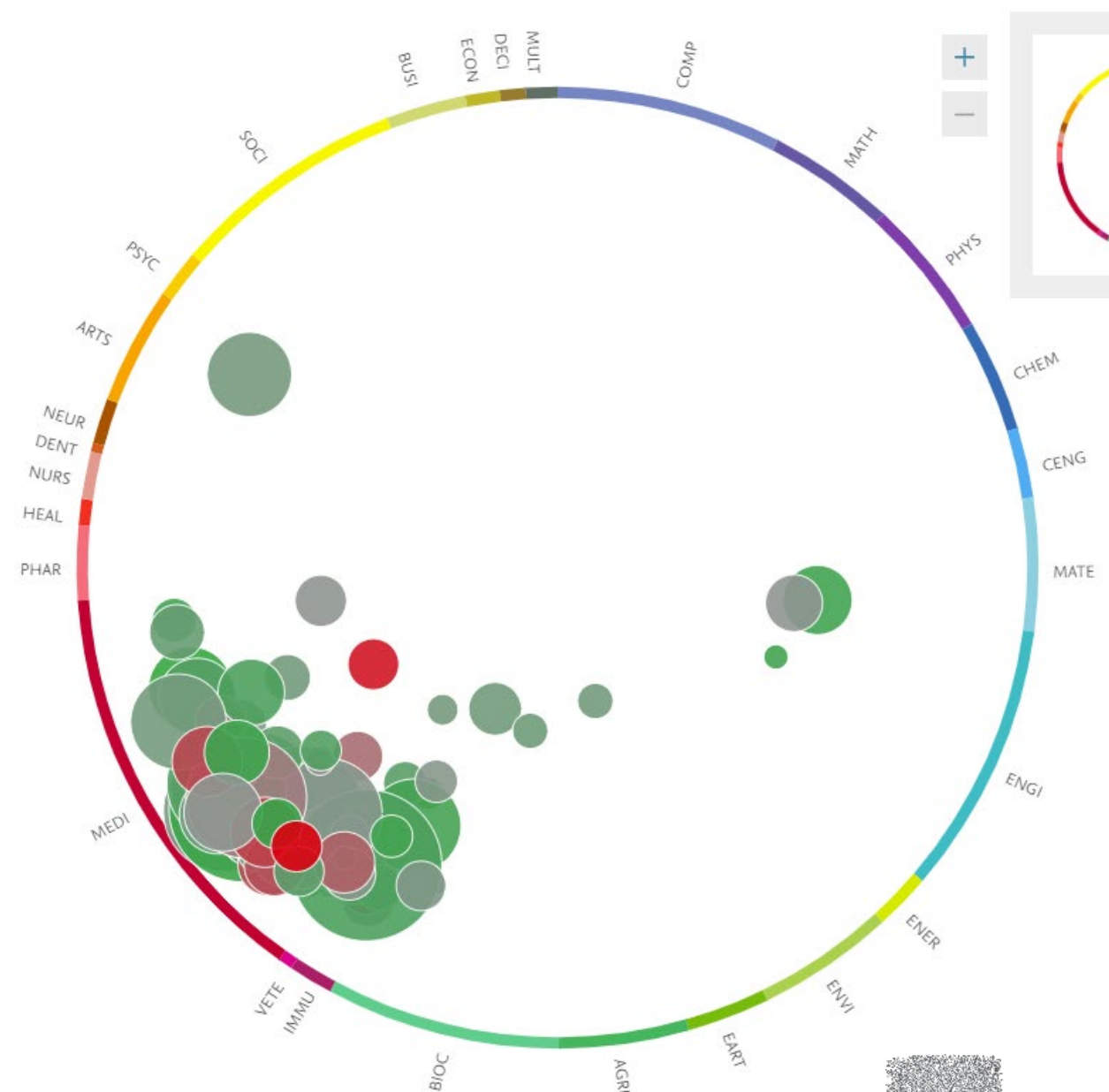
11th

3.i Research Metrics

Research is made up of three elements

- The proportion of a university's output that is viewed or downloaded
- The proportion of university's output that is cited in clinical guidance
- The number of publications

KeyPhrases	Rank	Prominence Percentile
ZIKV infections, Infection, Viruses	8	99.99
Melanoma, immune-related adverse, Immunotherapy	10	99.99
gut microbial, Obesity, Metagenome	13	99.99
Neoplasms, RNA, Long Untranslated, cancer tissues	17	99.98
Infrared devices, Chemotherapy, therapy PTT	24	99.98
recipient cells, Exosomes, Cells	25	99.97
ebola virus, Ebolavirus, Hemorrhagic Fever, Ebola	32	99.97
direct acting, Hepatitis C, Hepacivirus	44	99.96
Drug delivery, free DOX, Micelles	55	99.94
Nicotine, cigarette e-cigarette, Tobacco Products	65	99.93



3.iii Health Impact

Collaboration and health services looks at evidence around the following activities:

- Collaborations with local or global health institutions to improve health and wellbeing outcomes
- Outreach programmes in the local community to improve health and wellbeing
- Community access to university sports facilities
- Free sexual and reproductive health services for students
- Free mental health support for students and staff



university	Country/region	score	rank
University of Auckland	New Zealand	89.1	1
McMaster University	Canada	89	2
University of Montreal	Canada	88.8	3
University of Sydney	Australia	87.4	4
King's College London	United Kingdom	86.9	5
University of Manchester	United Kingdom	85.6	6
Semmelweis University	Hungary	85.3	7
University of Gothenburg	Sweden	84.6	8
University of Surrey	United Kingdom	84.5	9
Université Libre de Bruxelles	Belgium	84.4	10
Keele University	United Kingdom	84.3	11
University of Pavia	Italy	84.1	12
University of South Australia	Australia	83.9	13
University of Queensland	Australia	83.8	14
Nagoya City University	Japan	83.7	15
University of Dundee	United Kingdom	83.6	16
Iran University of Medical Sciences	Iran	83.5	17
Trinity College Dublin	Republic of Ireland	83.4	18
Emory University	United States	83.4	18
National University of Ireland, Galway	Republic of Ireland	82.6	20



Ensure inclusive and quality education for
all and promote lifelong learning





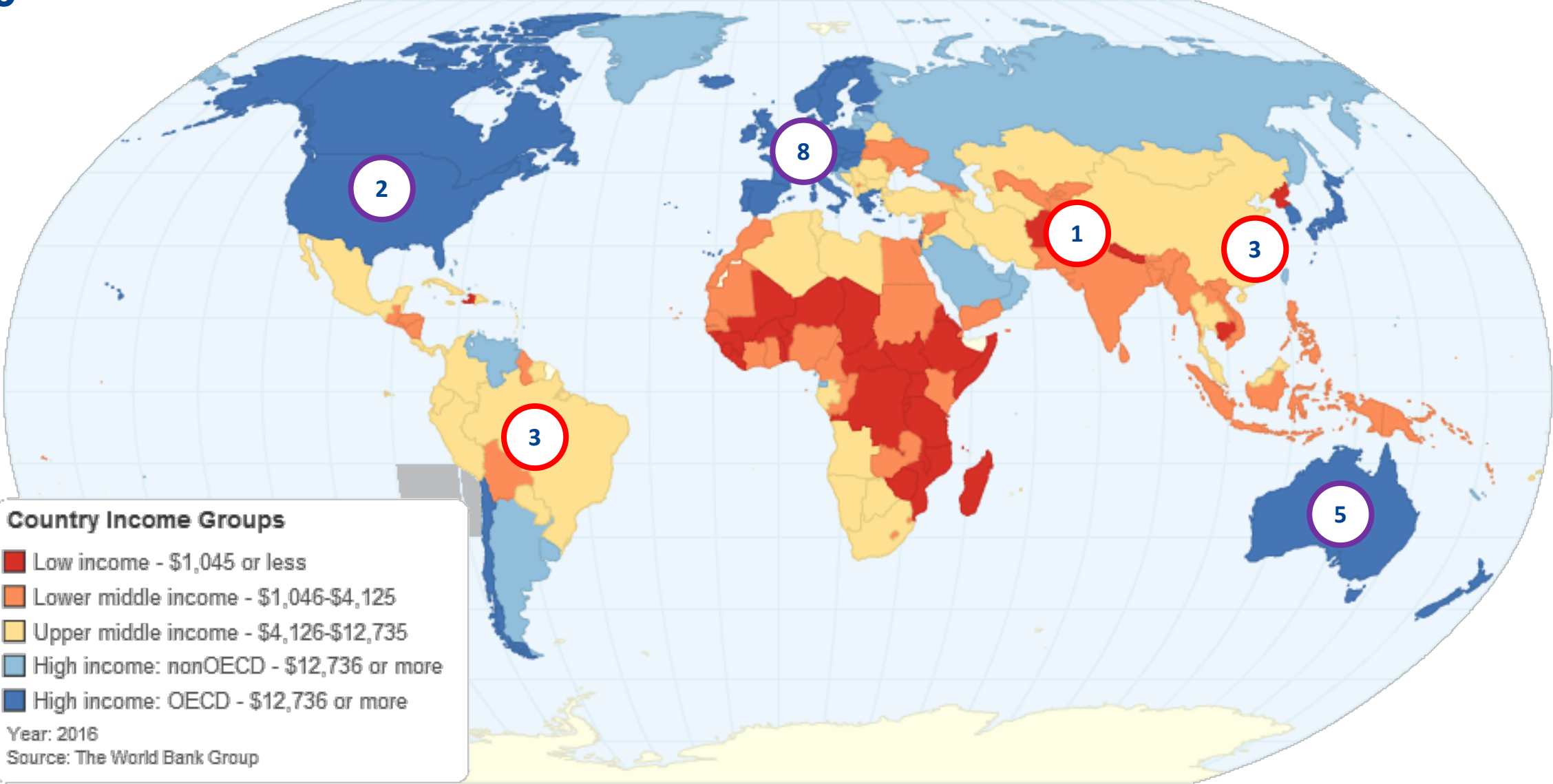
Supporting early years, lifelong learning, and their nations

	Metric	Type	Data source	Area	Percentage
4.i	Research into pedagogy	Continuous	Elsevier	Research	7
4.ii	Number of graduates with primary school teaching qualifications	Continuous	University	Outreach	4
4.iii	Lifelong learning measures	Pick list	University	Stewardship	7
4.iv	Proportion of 1 st generation students	Continuous	University	Outreach	8



101-200

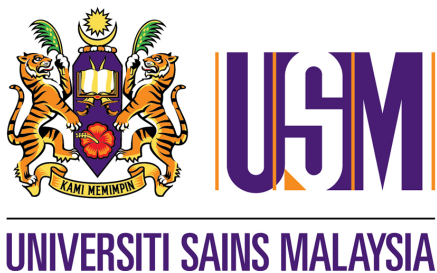
Top 20



4.iii Lifelong Learning Measures

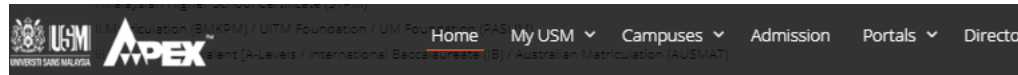
Lifelong learning measures looks at evidence around the following activities:

- Access to educational resources to those not studying at the university
- Hosting educational activities that are open to the general public, for example lectures or specific educational courses
- Run educational outreach activities in the local community, including schools
- Policies to ensure that these activities are open to all



Rank #2

4.3 Lifelong learning opportunities provided



02. Alternative Channel

i. International

This channel is for non-citizens/international students to pursue their tertiary education full-time. A range of programmes are offered to in students such as Pure Science, Applied Science, Arts, Engineering and Health Sciences.

ii. Special Admission

The Special Admission channel is meant exclusively for government staff to pursue their education in any field that is offered. So far, USM Bachelor of Social Science (Honours) (Planning and Management Development Programme) and the Bachelor of Social Work (Honours).

iii. Secondary Channel

This channel is meant exclusively for candidates who are working and who have not had the opportunity to pursue their studies at the ter Programmes that are offered include Civil Engineering, Technology, Special Education, HBP (Housing, Building and Planning) and Health Sciences

iv. Lifelong Education Programme (Senior Citizens, Sports and Culture Personalities)

The admission of students under the Lifelong Education programme is not only aimed at providing opportunities for individuals who wish to in dream of obtaining a degree but also to consolidate and enhance the quality of education while at the same time increasing the level of intelle society. Students selected under this programme will be given a 50% discount on their tuition fees.

a. Sports Personalities

This channel is open to candidates who have STPM/ Matriculation/Pre-U/or Equivalent and who have a minimum of 3 years' experience as athlete or who is still active in national sports.

b. Culture personalities

This channel is open to candidates with experience in the field of Arts or with a minimum of 5 years' working experience in a related field ar nationally recognised.



ACTIVITY MODULE AWARENESS AND KNOWLEDGE OF ESD FOR TEACHERS IN MALAYSIA, CAMBODIA AND VIETNAM



Rank #2

Rank #26

Rank #27



university	Country/region	score	rank
University of Gothenburg	Sweden	81.6	1
Universiti Sains Malaysia	Malaysia	79.2	2
Andrés Bello University (UNAB)	Chile	78.3	3
University of Bologna	Italy	78.0	4
Sungkyunkwan University (SKKU)	South Korea	77.5	5
Iran University of Medical Sciences	Iran	77.4	6
University of Padua	Italy	76.4	7
University of South Australia	Australia	75.0	8
University of Hong Kong	Hong Kong	74.9	9
James Cook University	Australia	74.5	10
Edith Cowan University	Australia	74.2	11
Comenius University in Bratislava	Slovakia	73.3	12
Western Sydney University	Australia	72.8	13
University of Rovira i Virgili	Spain	72.7	14
University of Auckland	New Zealand	72.5	15
Metropolitan Autonomous University	Mexico	72.2	=16
Vrije Universiteit Amsterdam	Netherlands	72.2	=16
University of Wollongong	Australia	71.8	18
Aalborg University	Denmark	71.7	=19
University of La Serena	Chile	71.7	=19
University of Alaska Fairbanks	United States	71.1	=21
University of Minho	Portugal	71.1	=21

THE

Make cities inclusive, safe, resilient and sustainable





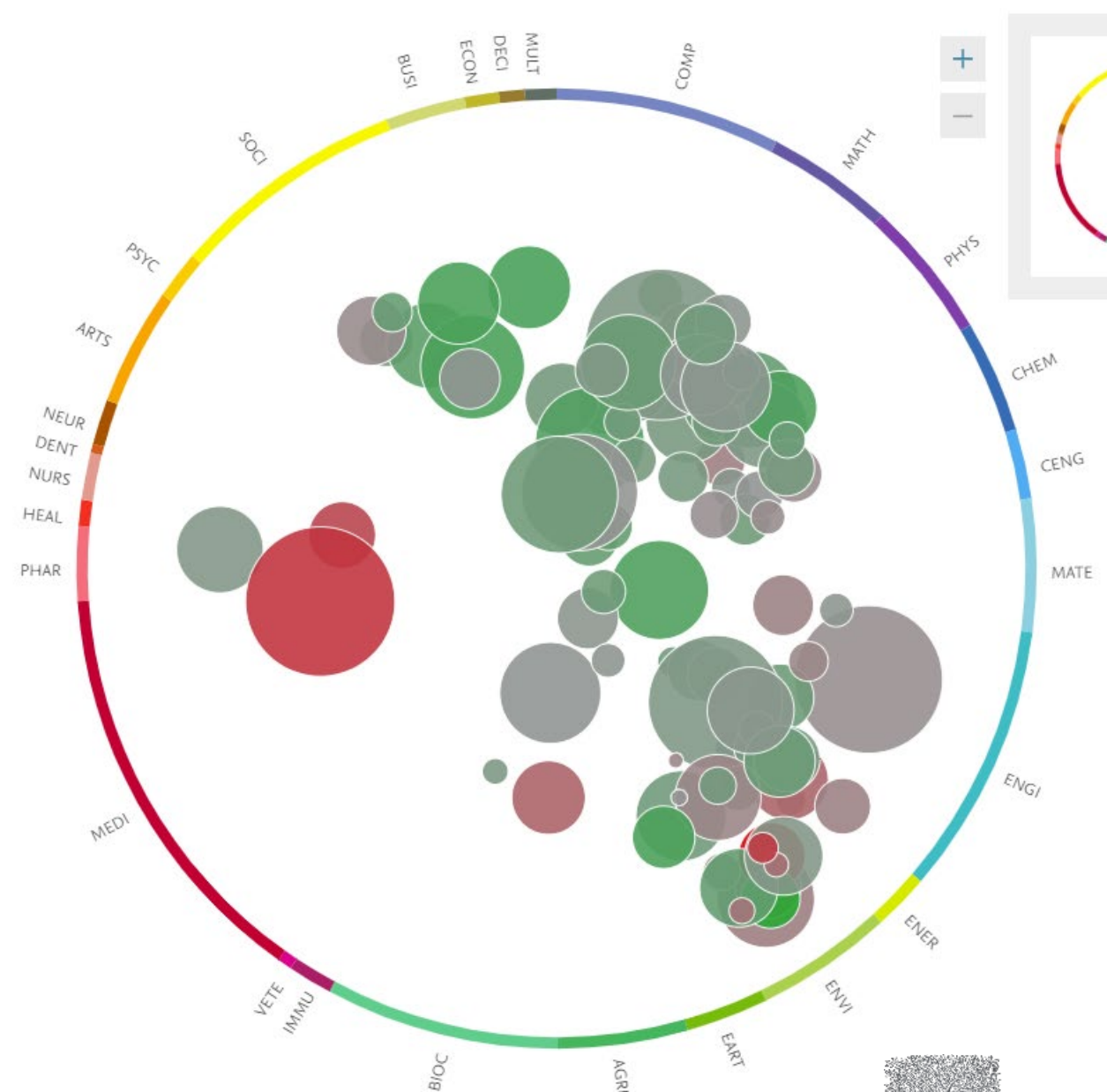
Universities in their communities, as custodians of heritage and environment

	Metric	Type	Data source	Area	Percentage
11.i	Research	Continuous	Elsevier	Research	7
11.ii	Arts and heritage	Pick list	University	Outreach	6
11.iii	Spend on Local Arts and Heritage	Continuous	University	Outreach	5
11.iv	Sustainable practices	Pick list	University	Stewardship	8



53rd

KeyPhrases	Rank	Prominence Percentile
Energy efficiency, energy retrofit, Buildings	208	99.78
aerosol, water-soluble ions, haze	243	99.75
neighborhood environment, Motor Activity, Residence Characteristics	349	99.64
landscape, Nature, perceived restorativeness	469	99.51
Particulate Matter, Air Pollution, regression LUR	514	99.46
Municipal solid waste, landfill gas, waste management	734	99.23
roof, Roofs, extensive green	789	99.18
particulate matter, positive matrix, Factorization	897	99.06
Heavy metals, street dust, heavy metal	914	99.05
Internet, city services, Technology	1028	98.93



^ Subject area abbreviations



ELSEVIER

11.ii Arts and Heritage

Supporting arts and heritage looks at evidence around the following activities:

- Public access to significant buildings at the university
- Public access to university libraries
- Public access to university museums and collections
- Public access to significant spaces and monuments within the university
- Providing artistic events for members of the public (such as concerts)
- Recording and preserving local heritage

11.iv Sustainable Practices

Sustainable practices looks at evidence around the following activities:

- Targets around sustainable commuting

- Promoting sustainable commuting

- Encouraging telecommuting, remote working or condensed working weeks

- Providing affordable housing for students

- Providing affordable housing for staff

- Working with local authorities around planning issues, including the provision of affordable housing for local residents

- Building to sustainable standards

- Reusing brownfield sites

THE

Take urgent action to combat climate
change and its impacts





Universities acting to address climate issues, through research, low carbon use, and education

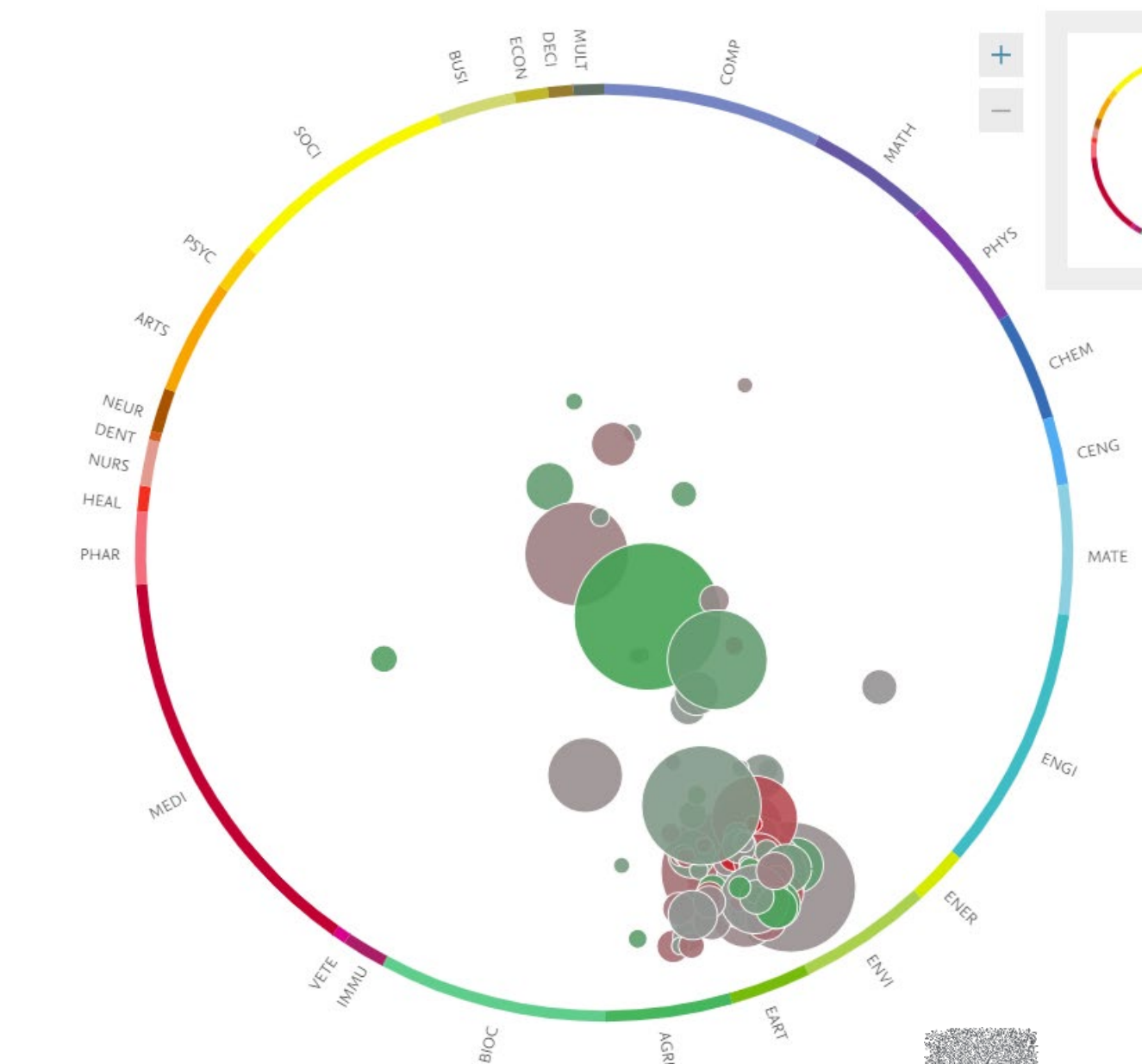
	Metric	Type	Data source	Area	Percentage
13.i	Research	Continuous	Elsevier	Research	7
13.ii	Low carbon energy use	Continuous	University	Stewardship	7
13.iii	Environmental Education including Disaster Planning	Picklist	University	Outreach	12



=95th



KeyPhrases	Rank	Prominence Percentile
climate change, models, models SDMs	205	99.79
Climate change, integrated assessment, climate vulnerability assessments, climate change, adaptation	276	99.71
climate change, crop models, crop	314	99.67
tundra, permafrost thaw, permafrost	376	99.61
spring phenology, NDVI, phenology	473	99.51
climate, scientific consensus, climate change	510	99.47
tree mortality, drought stress, drought	540	99.44
heat-related mortality, Temperature, Hot Temperature	575	99.40
extreme event, temperature, precipitation indices	703	99.27
	787	99.18



13.iii Environmental education

Environmental education measures looks at evidence around the following activities:

- Providing local education around the impact of climate change
- Generating a university climate action plan
- Working with local or national government to address climate change planning
- Informing and supporting government on issues associated with climate change
- Collaborating with NGOs around climate change



13.3: Providing local education around the impact of climate change

Example Evidence:

TON DUC THANG UNIVERSITY

[About us](#) [Academics](#) [Science-Technology](#) [International](#) [Admission](#) [Q](#)

Ton Duc Thang University launched the 2018 Green Summer Campaign

TDTU, 08/07/2018 | 10:48, GMT+7

Creating an atmosphere to celebrate the 25th anniversary of the Summer volunteer Campaigns of Ho chi minh city You Union, Ton Duc Thang University Student Union (TDTU) solemnly held the launching ceremony of the 2018 Green Summer Campaign 2018 on the morning of July 4, 2018.

According to the campaign command center, 350 TDTU voluntary soldiers participated in the battlefields in District 7, Can Gio District and An Giang Province with many contents: environmental protection, act for social security, new rural construction, urban civilization, crime and social evils prevention; working and accompanying children in learning and practicing social skills.

The Green Summer Campaign is organized annually to promote students' storm spirit for community through the voluntary activities associated with the subjects they are learning at TDTU. In addition, during the process of solidarity and helping each other accomplish the task in the Campaign, students will have a chance to learn more useful skills and live responsibly with themselves and others.

CATEGORIES

Union

Announcement

TDTU activity

Academics

Science-technology

Internationalization



THE

Promote just, peaceful and inclusive
societies





Driving good governance, both internally and externally, and the rule of law

	Metric	Type	Data source	Area	Percentage
16.i	Research: Law and IR	Continuous	Elsevier	Research	7
16.ii	Governance	Picklist	University	Stewardship	7
16.iii	Participation in local, regional and national government (and others)	Picklist	University	Outreach	6
16.iv	Graduates in law and enforcement related courses	Continuous	University	Outreach	6



19th

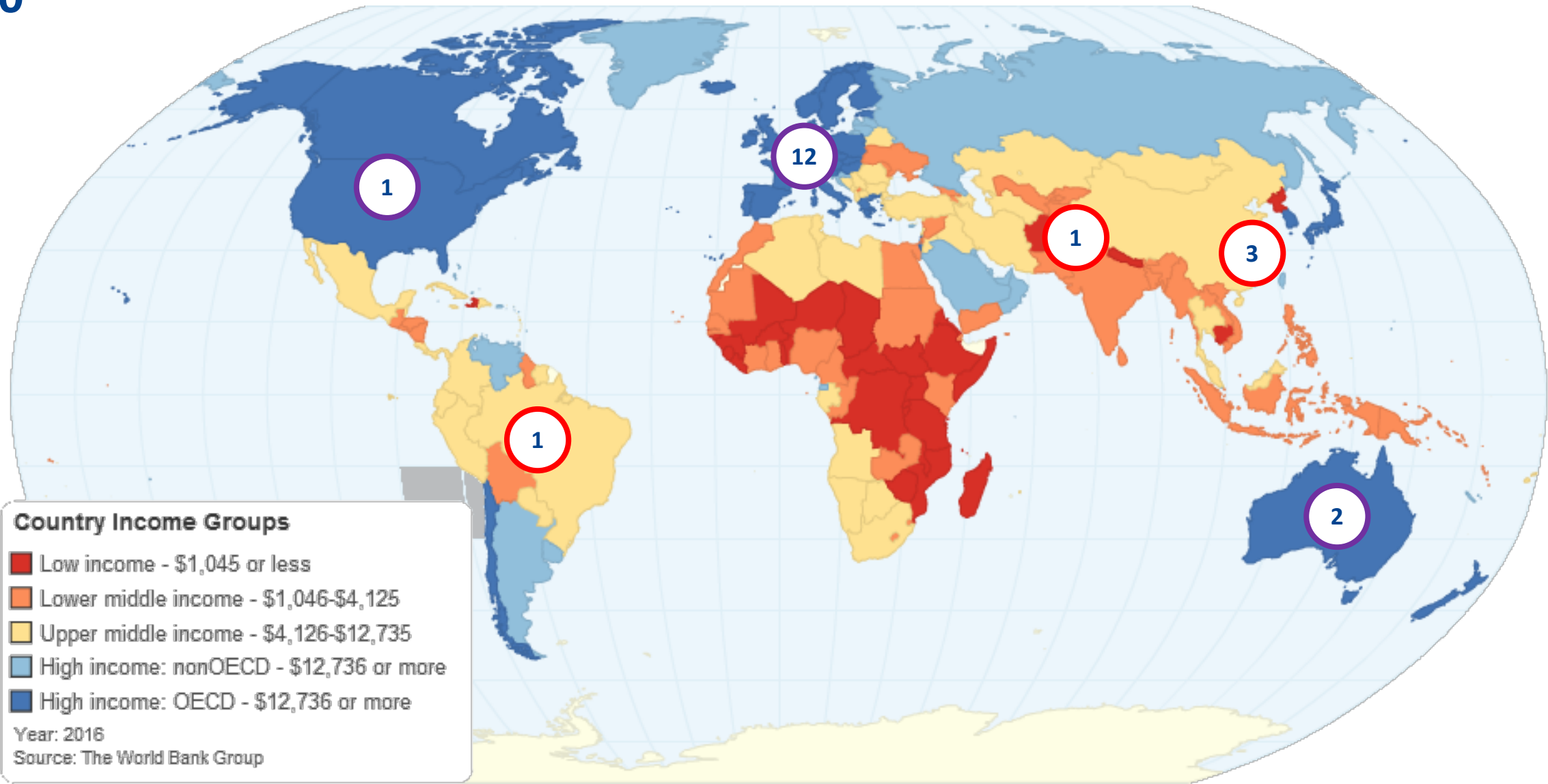


16.ii Governance

University governance measures looks at evidence around the following activities:

- Elected representation on the university's governing body
- Recognition of a students' union
- Policies to engage university stakeholders
- The existence of participatory bodies that include local residents
- Policies on organised crime and corruption
- Policies guaranteeing academic freedom
- Publication of university financial data

Top 20





university	Country/region	score	Rank
National Taiwan University	Taiwan	91.2	1
Rostov State University of Economics	Russian Federation	85	2
Soas, University of London	United Kingdom	84.9	3
University of Helsinki	Finland	82.8	4
University of Leicester	United Kingdom	82.5	5
King's College London	United Kingdom	81.9	6
University of Auckland	New Zealand	81.4	7
University of Indonesia	Indonesia	80.5	8
Kyoto University	Japan	80.5	8
University of Ottawa	Canada	80.1	10
University of Wollongong	Australia	79.6	11
University College Cork	Republic of Ireland	79.5	12
University of Geneva	Switzerland	79.5	12
University of Lucerne	Switzerland	79.3	14
Vrije Universiteit Amsterdam	Netherlands	78.3	15
Koç University	Turkey	77.9	16
National Autonomous University of Mexico	Mexico	77.8	17
University of Strathclyde	United Kingdom	77.8	17
Keele University	United Kingdom	77.7	19
Comenius University in Bratislava	Slovakia	77.1	20

The background of the slide is a photograph of a lush, green mountain landscape. In the foreground, there are dark, silhouetted branches of trees with leaves. The middle ground shows a dense forest covering a valley. In the background, several layers of misty, rolling mountains are visible under a soft, overcast sky. The overall tone is serene and natural.

THE

Top 10



10 University of Hong Kong



=29th



9th



4th



=6th





9 University of Bologna



4th



=4th



6th



21st





=7 University of Montreal



Université 
de Montréal



3rd



15th



13th



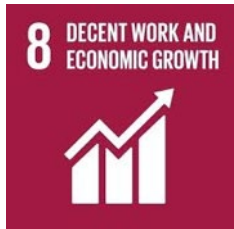
3rd





=7

KTH Royal Institute



2nd



3rd



9th



14th





6 University of Gothenburg



8th



1st



3rd



30th





5 King's College London



5th



10th



13th



10th





=3 University of Manchester



The University of Manchester



6th



7th



8th



=1st





=3 University of British Columbia



=39th



3rd



1st



8th

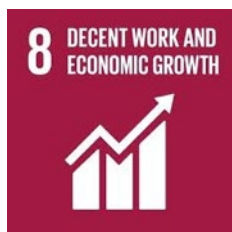




2 McMaster University



2nd



1st



14th



=16th





1 University of Auckland



1st



=6th



11th



=1st





57 Keele University



11th



53rd



19th



101-200

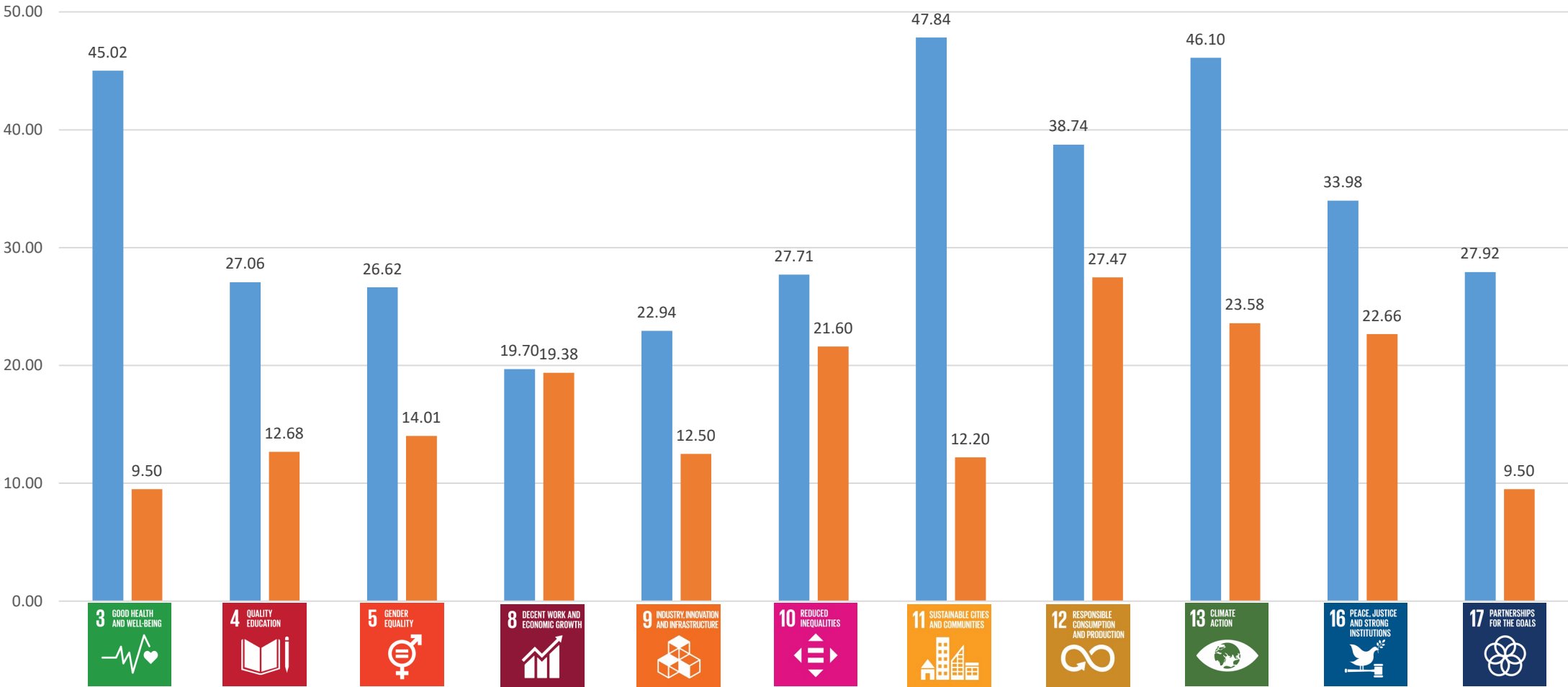




THE

Final thoughts

Percentage of universities from developing countries and percentage of them in Top 20



■ Percentage (%) of developing countries ■ Percentage (%) of universities from developing countries in Top 100



Universities from developing countries in Top 20



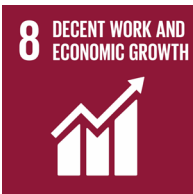
#17 Iran University of Medical Sciences, Iran



#2 Universiti Sains Malaysia, Malaysia

#6 Iran University of Medical Sciences, Iran

#16 Metropolitan Autonomous University, Mexico



#9 Bucharest University of Economic Studies, Hungary

#14 International University of Sarajevo, Bosnia and Herzegovina

#16 Voronezh State University, Russian Federation



#14 Lomonosov Moscow State University, Russian Federation



#5 University of Johannesburg, South Africa

#10 University of the Western Cape, South Africa



#4 Abdullah Gül University, Turkey



#16 JSS Academy of Higher Education and Research, India



#2 Rostov State University of Economics, Russian Federation

#8 University of Indonesia, Indonesia

#16 Koç University, Turkey

#17 National Autonomous University of Mexico, Mexico

Some notable results



What?	University	Country	Position
Best university in Africa	Alexandria University	Egypt	99th
Best university in the Middle East	Iran University of Medical Sciences	Iran	41st
Best university in Latin America	Andrés Bello University (UNAB)	Chile	56th
Best university in Japan	Kyoto University		48th
Best university in Palestine	An-Najah National University		301+
Best university in USA	University of North Carolina, Chapel Hill		24th



The background of the slide is a photograph of a lush, green mountain landscape. In the foreground, there are dark, silhouetted branches of trees with leaves. The middle ground shows a dense forest covering the slopes of a mountain. In the background, several layers of mountain ranges are visible, creating a sense of depth. The sky is a pale, hazy blue. The overall tone is serene and natural.

THE

Thank you