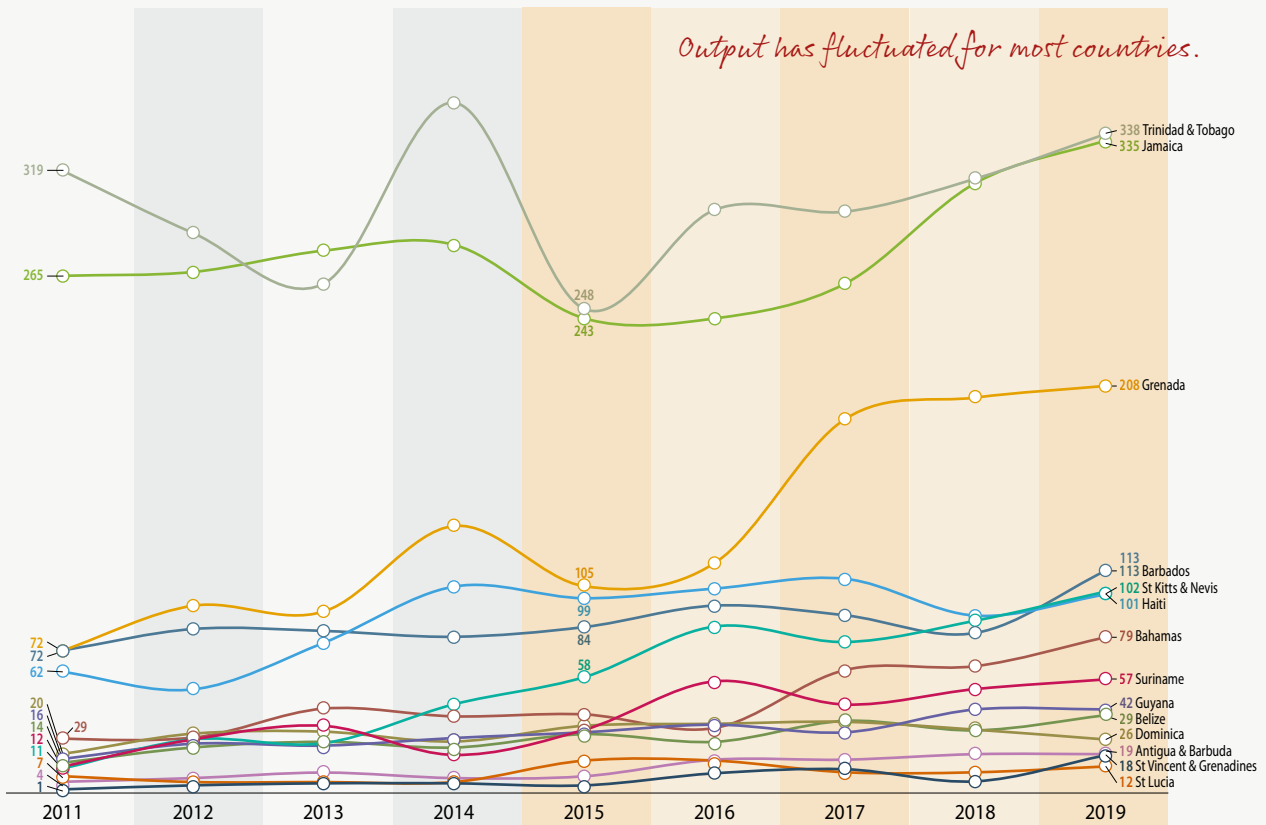




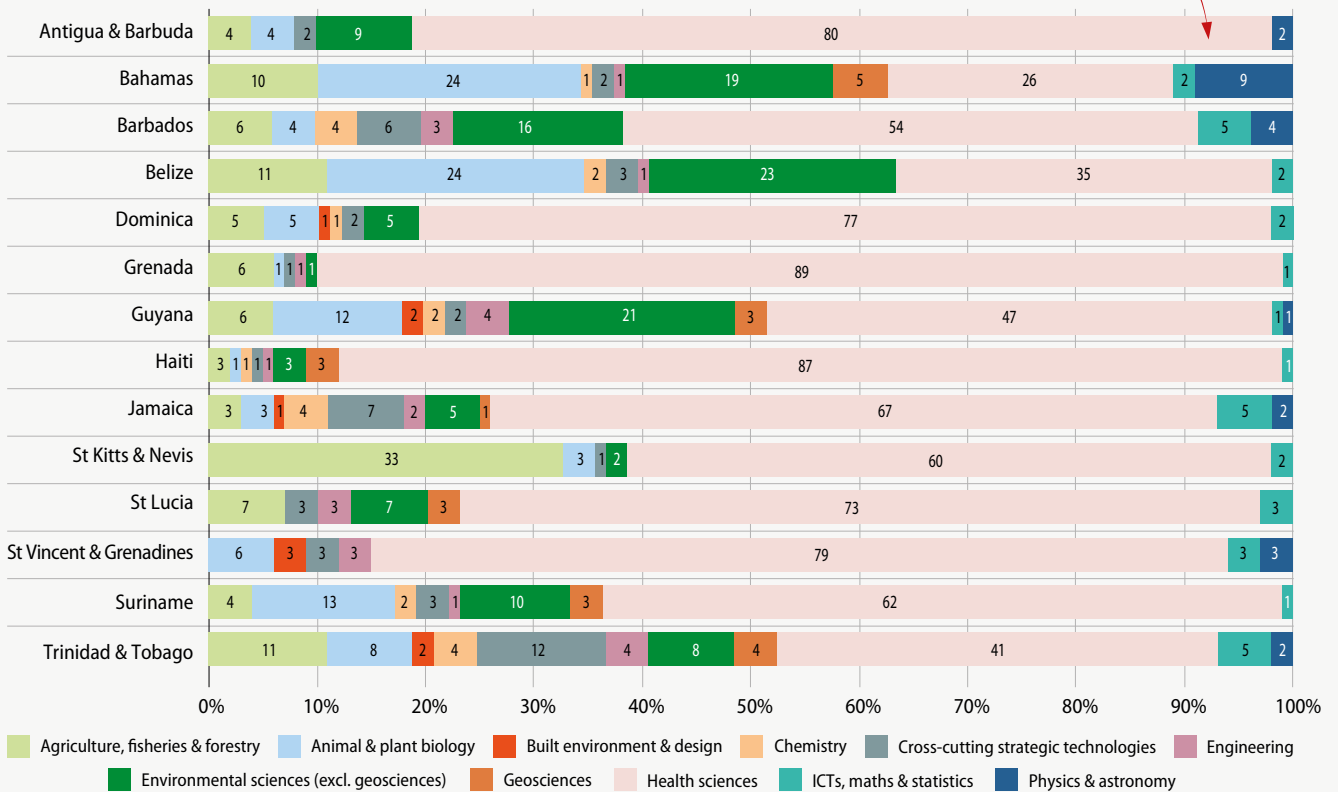
Figure 6.5: Trends in scientific publishing in the Caricom countries

Volume of scientific publications in Caricom countries, 2011–2019



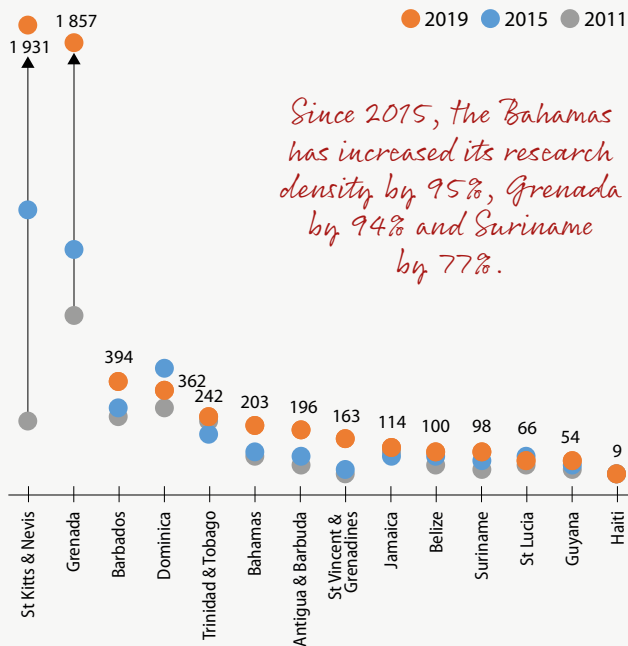
Health sciences account for the most publications, followed by environmental sciences.

Scientific publications in Caricom countries by broad field of science, 2017–2019 (%)





Scientific publications per million inhabitants in Caricom countries, 2011, 2015 and 2019 Data labels are for 2019



How has output on SDG-related topics evolved since 2012?

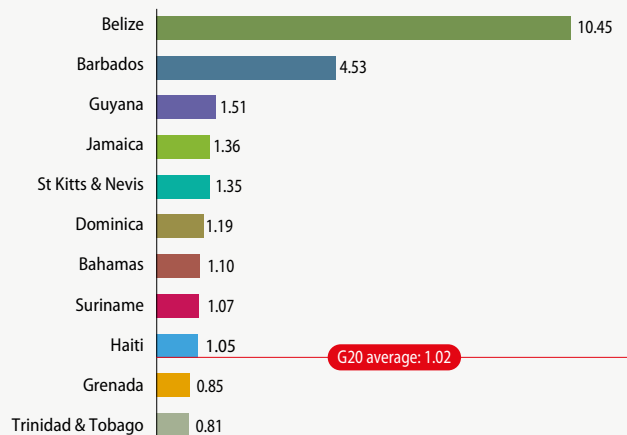
Caricom scientists have modest output on SDG-related topics but five countries (Barbados, Belize, St Kitts and Nevis, Suriname, Trinidad and Tobago) have recorded noticeable growth in research on three common topics: new and emerging viruses that can infect humans (plus Grenada, Haiti and Jamaica), the status of biodiversity and ecosystem services (plus the Bahamas) and the sustainable use of terrestrial ecosystems (plus the Bahamas, Dominica and Guyana).

Health is a dominant topic. Seven countries (Bahamas, Barbados, Belize, Guyana, Haiti, Jamaica and Trinidad and Tobago) published over three times more research than expected on HIV. Haiti's proportionate output on tropical communicable diseases and tuberculosis is even 29 and 23 times higher, respectively, than the global averages for these topics.

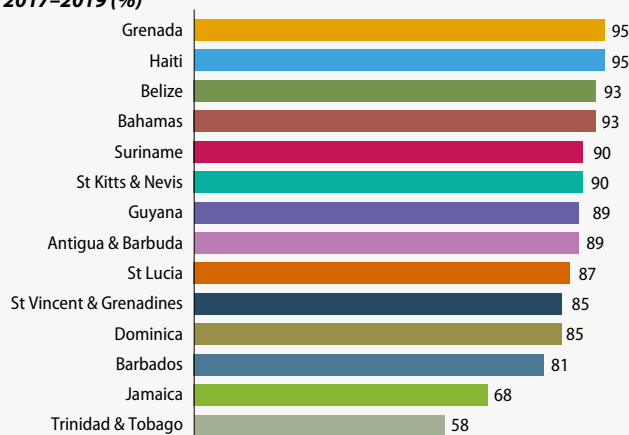
Despite the region's vulnerability to climate change, Caricom authors are conspicuously absent from research addressing the local impact of climate-related hazards and disaster risk reduction strategies, with fewer than 7 and 5 publications, respectively, from 2012 to 2019. Only one publication, in 2017, on the local impact of climate-related hazards and disasters included a Haitian author.

For details: see Chapter 2

Average of relative citations in Caricom countries, 2014–2016



Share of publications with foreign co-authors in Caricom countries, 2017–2019 (%)



Intra-Caricom collaboration accounted for roughly 2% of members' output over the 2016–2018 period.

Top five partners for Caricom countries for scientific co-authorship, 2017–2019 (number of publications)

Country	1st collaborator	2nd collaborator(s)	3rd collaborator(s)	4th collaborator(s)	5th collaborator(s)
Antigua & Barbuda	USA (33)	Canada (6)	Egypt/Spain (5)		Australia/Dominica (4)
Bahamas	USA (137)	UK (51)	Canada (45)	Australia (29)	Germany (25)
Barbados	USA (112)	UK (67)	Canada (46)	Jamaica (33)	Trinidad & Tobago (31)
Belize	USA (65)	UK (23)	Mexico (18)	Canada (15)	Australia (11)
Dominica	USA (46)	Germany/UK (11)		Brazil/Nigeria (8)	
Grenada	USA (469)	Japan (95)	UK (58)	Canada (44)	Germany (34)
Guyana	USA (55)	UK (26)	Australia/France (18)		Brazil (17)
Haiti	USA (234)	UK (33)	France (29)	Canada (27)	Brazil (23)
Jamaica	USA (379)	UK (118)	Canada (95)	France (52)	Mexico (51)
St Kitts & Nevis	USA (114)	UK (46)	South Africa (27)	Canada/Denmark (23)	
St Lucia	USA (14)	Dominica/Nepal (5)		Barbados/Jamaica/Trinidad & Tobago (4)	
St Vincent & Grenadines	USA (20)	Canada (6)	Nigeria/UK (4)		Barbados/Trinidad & Tobago (3)
Suriname	Netherlands (64)	USA (51)	France (34)	Belgium/Brazil (31)	
Trinidad & Tobago	USA (207)	UK (168)	India (92)	Canada (63)	Jamaica (45)

Source: Scopus (excluding Arts, Humanities and Social Sciences), data treatment by Science Metrix