

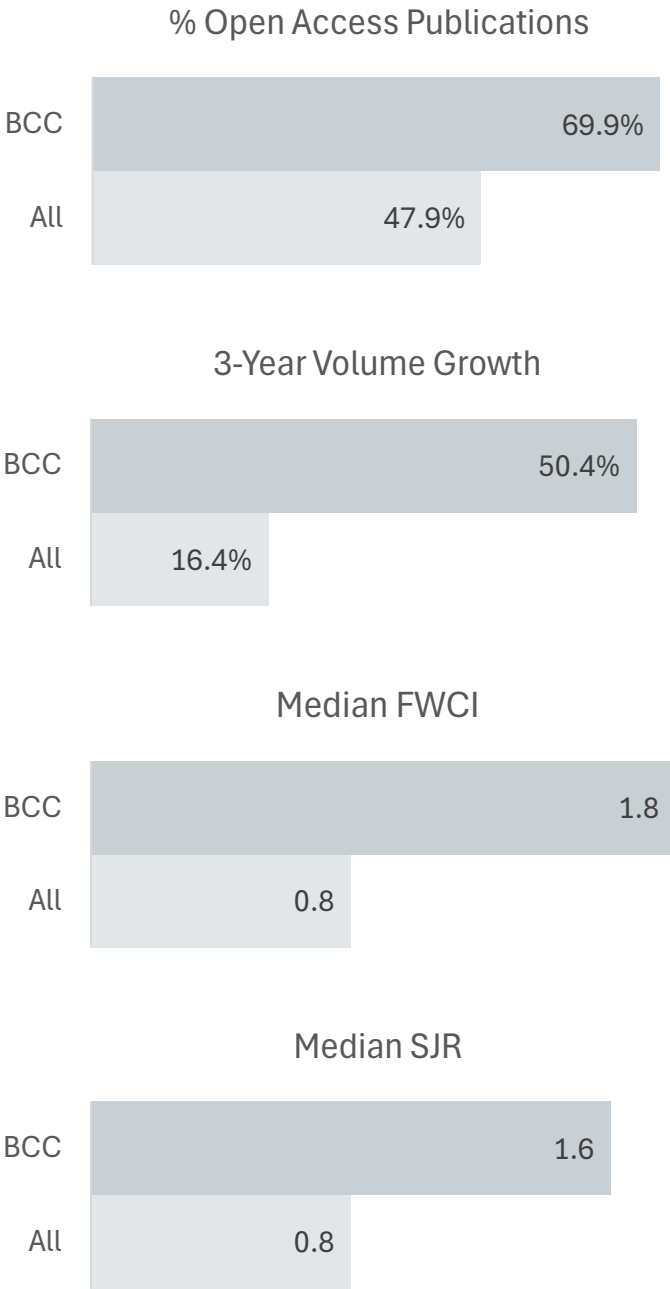
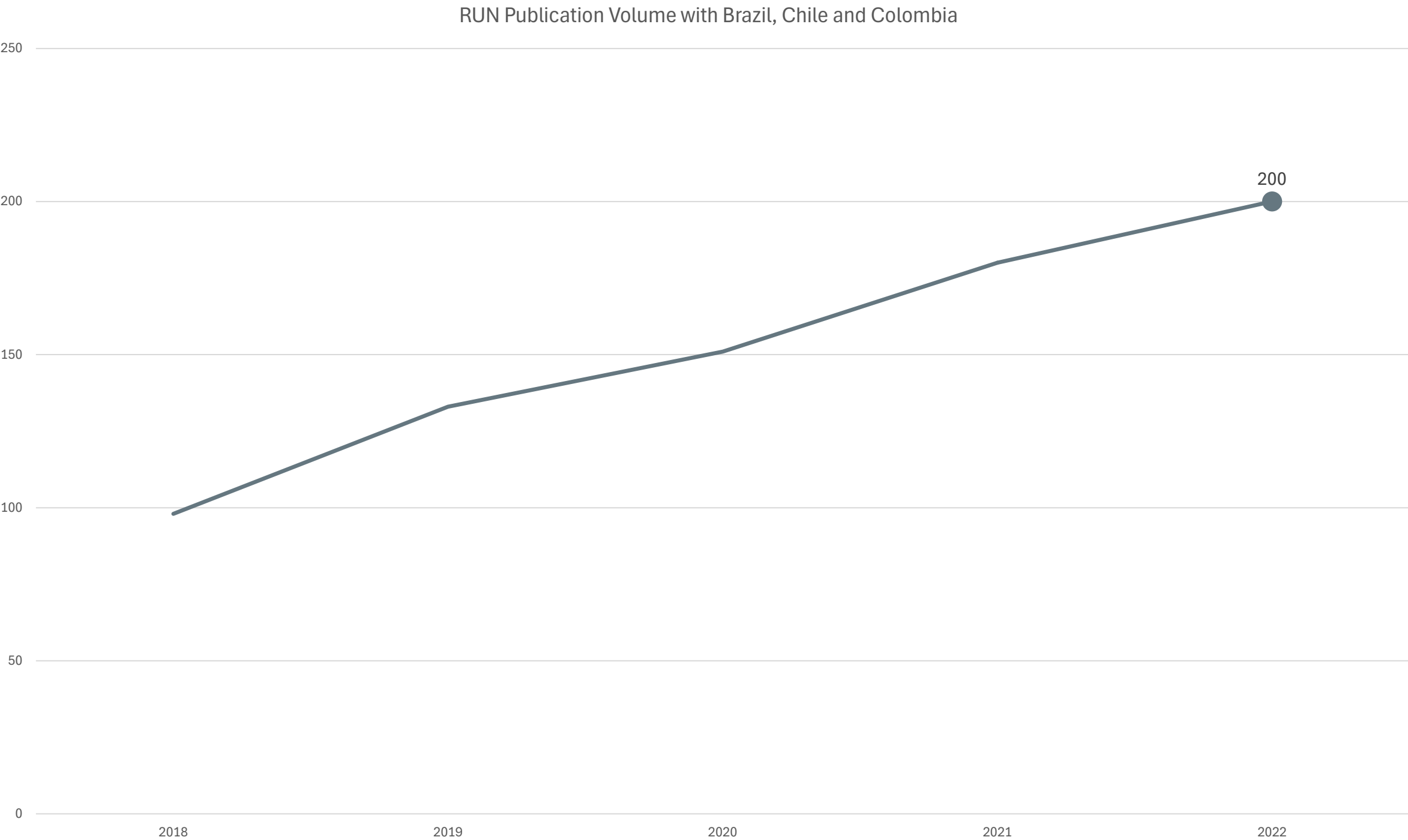
RUN LATIN AMERICAN DELEGATION

March 18-26

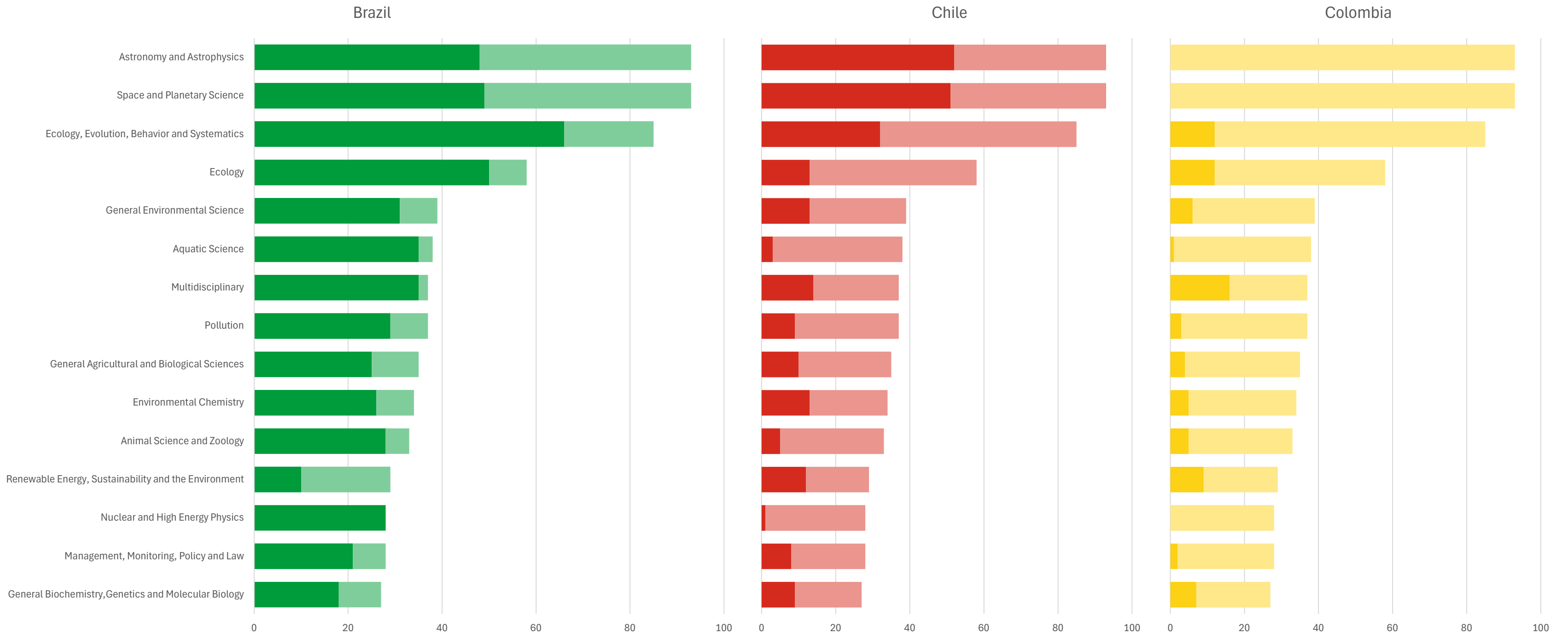
AUSTRALIA/BRAZIL RESEARCH

- Australia has 15 universities in the top 200 in most recent QS rankings and 11 universities in THE World University Rankings top 200-5th in the world, behind significantly larger economies
- Australia has 22 in the top 200 of QS Sustainability and 20 in the top 200 of THE Impact
- Australia is responsible for around 4 per cent of all scientific contributions globally
- Brazil is Australia's 15th largest research partner
- UA reports that every Australian University has at least one research centre/institute that collaborates with Brazil
- Number of agreements between Australian and Brazilian unis 17 in 2007 to 137 in 2020

Research vitality: RUN collaborations with Brazil, Columbia and Chile

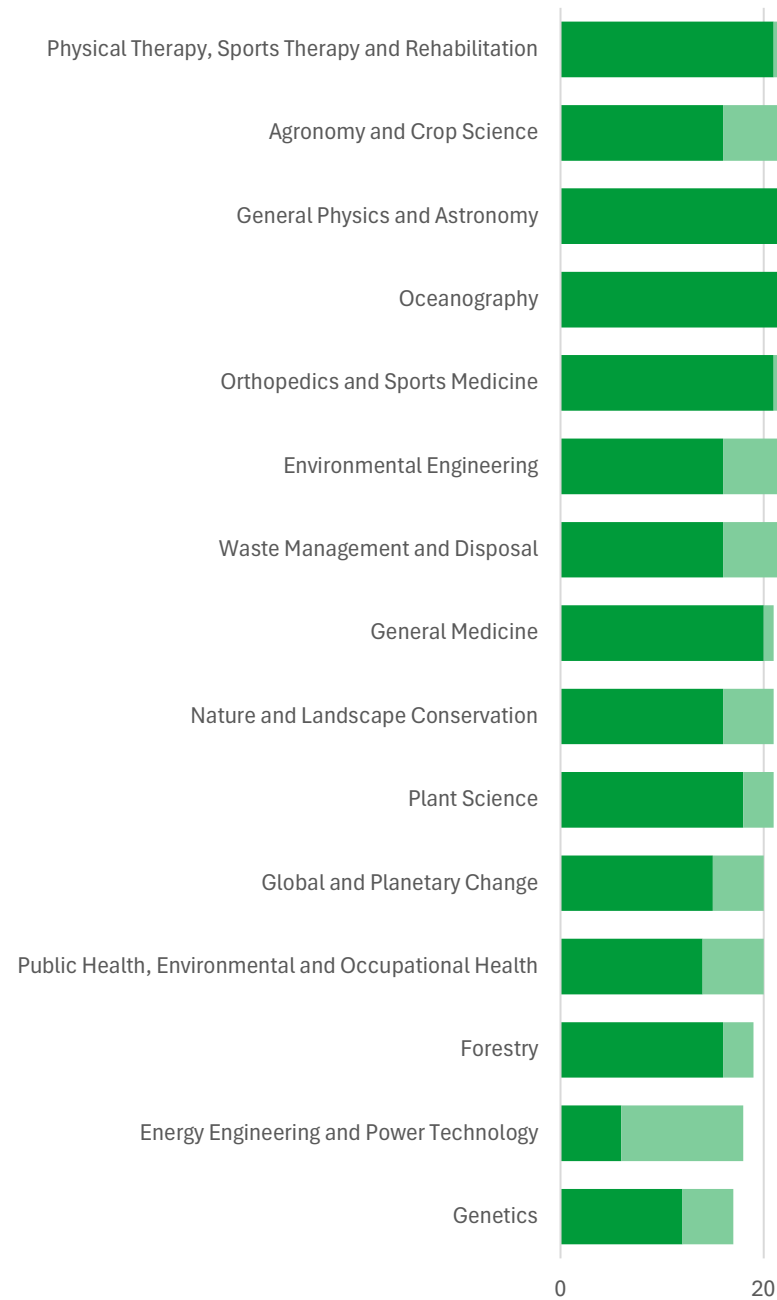


Publication volume by ASJC field (2018-2022)

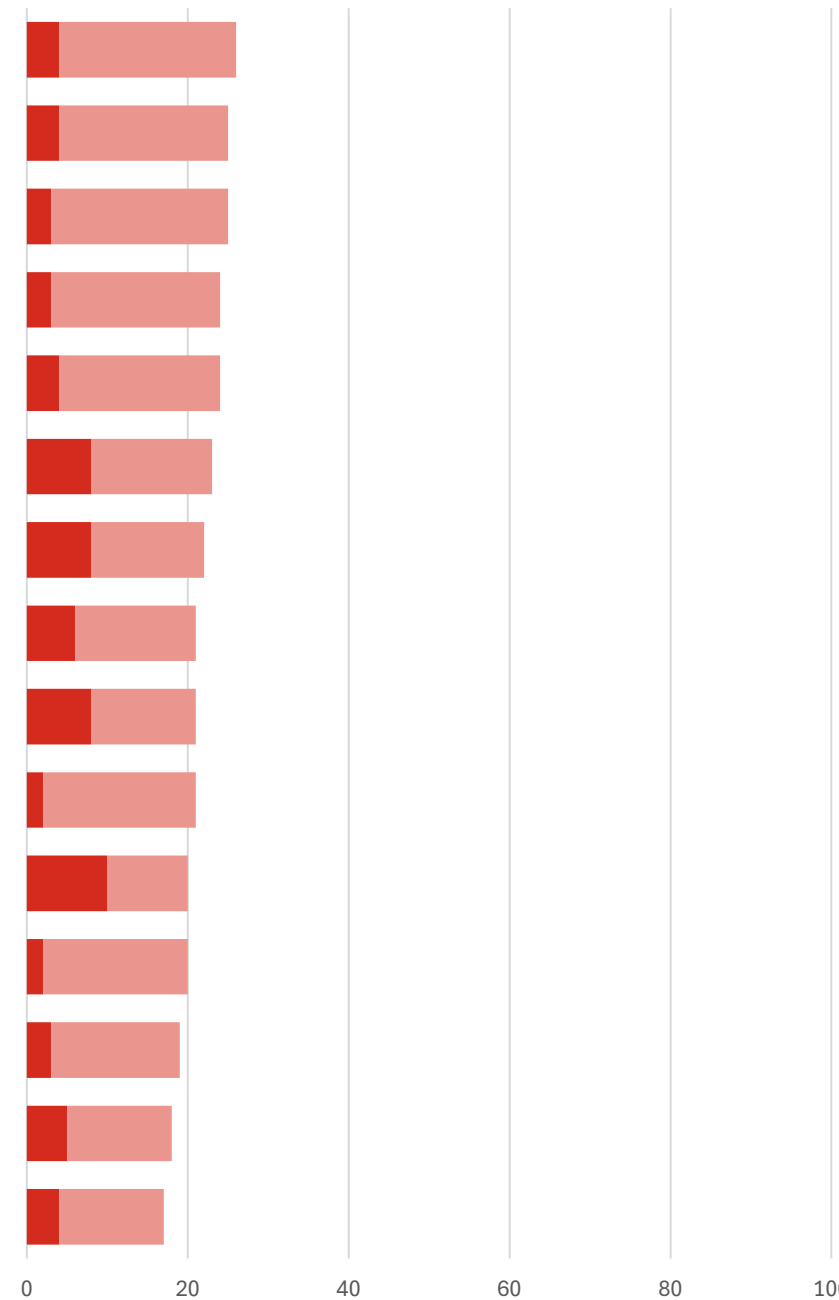


Publication volume by ASJC field (2018-2022)

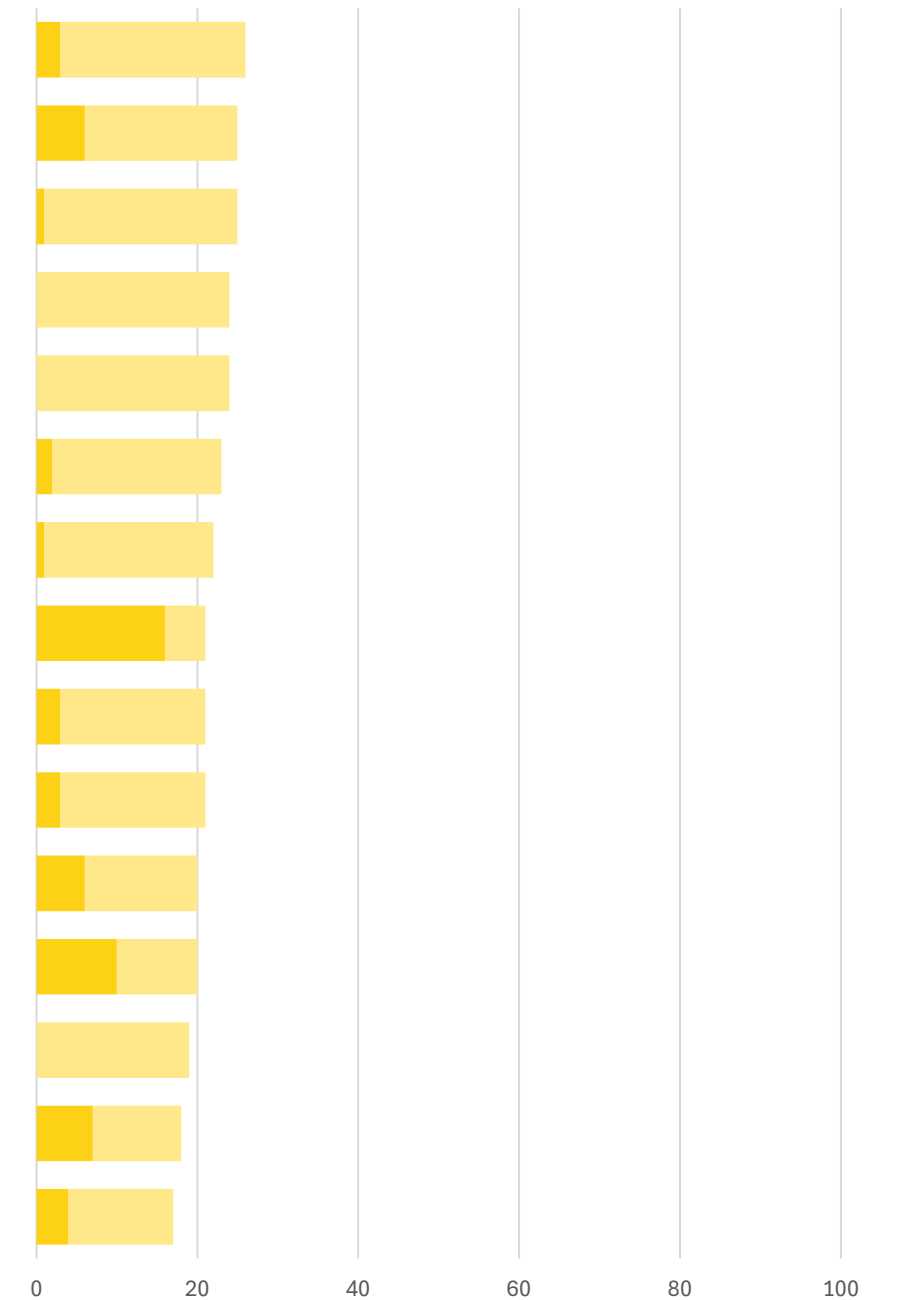
Brazil



Chile

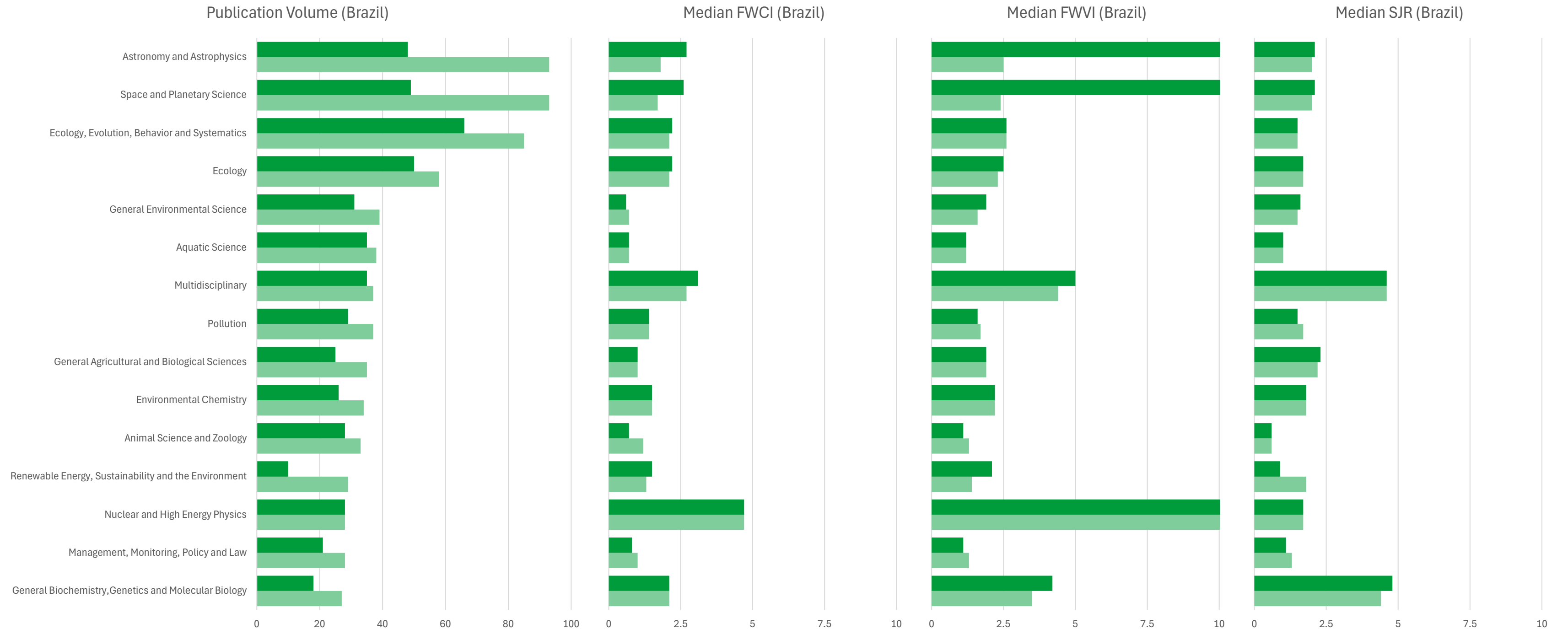


Colombia

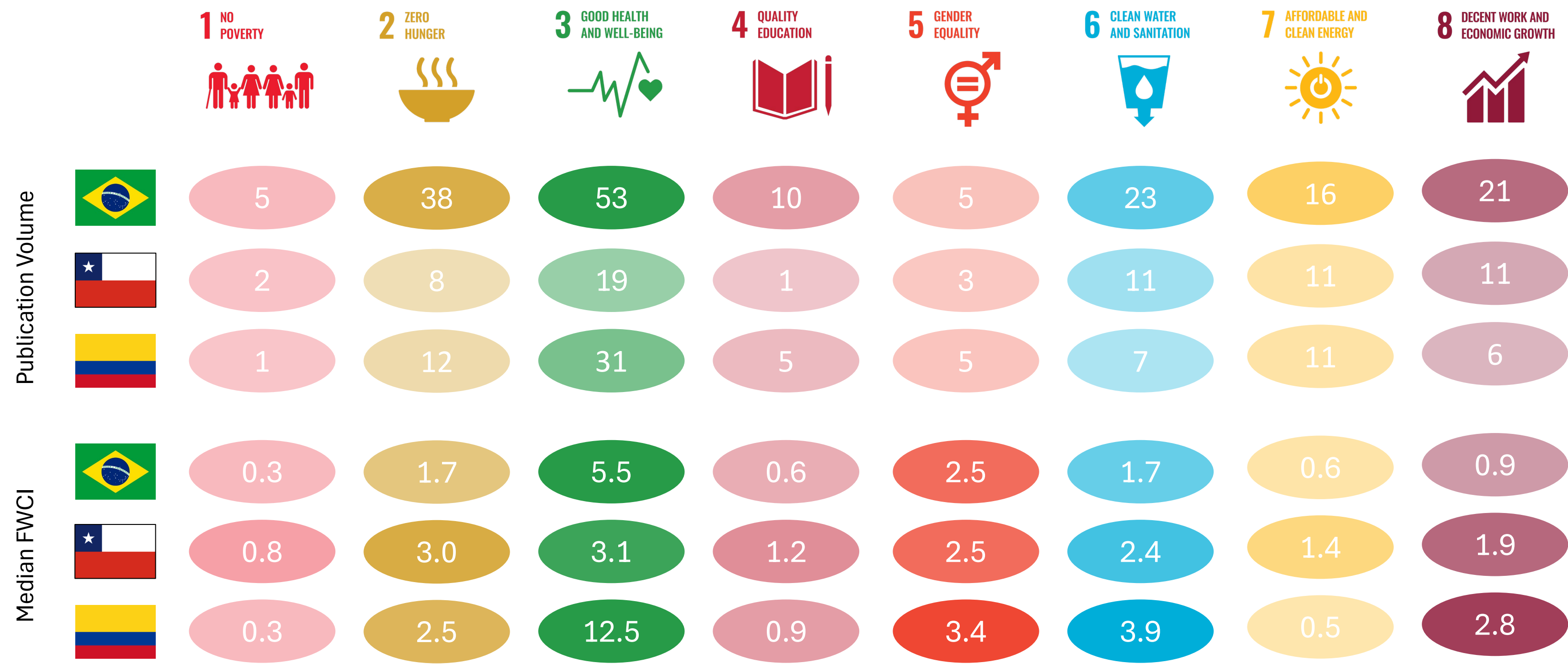


Publication quality by ASJC field (2018-2022)

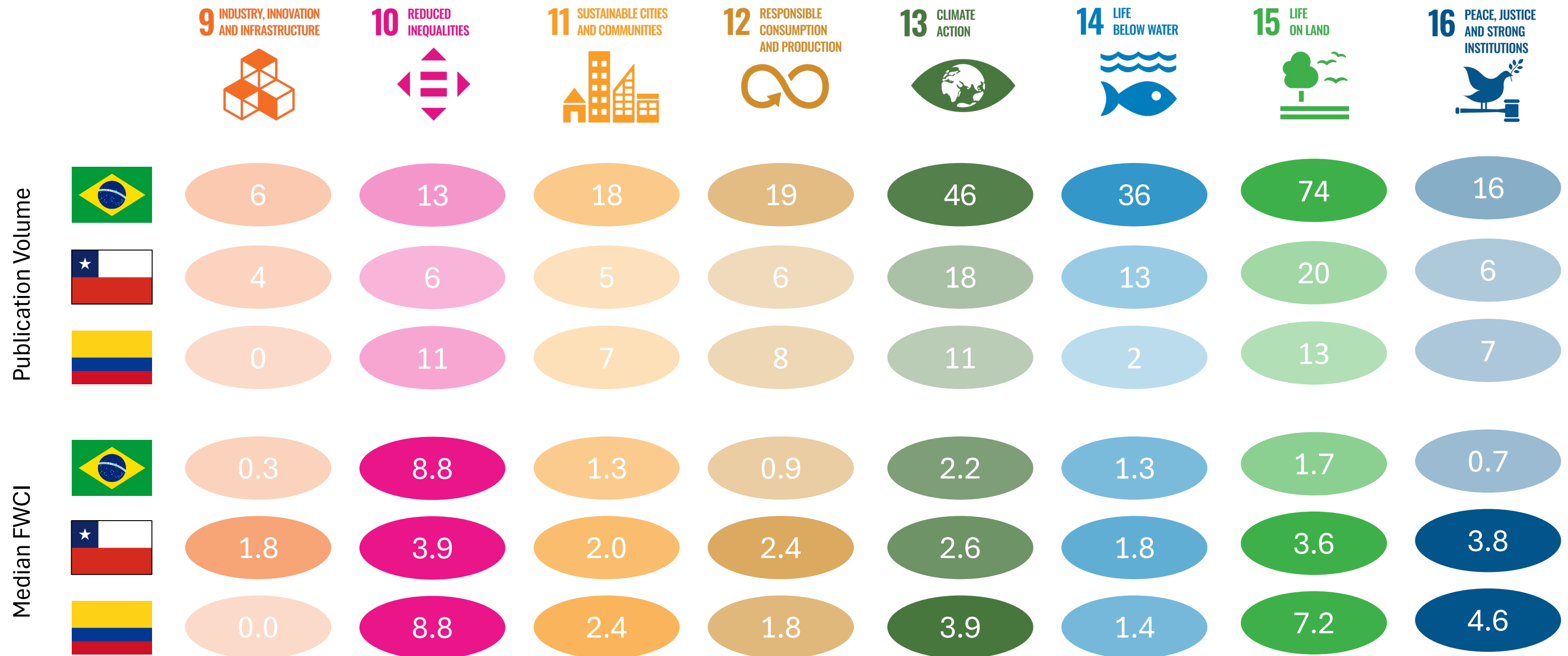
■ RUN collaborations with Brazil ■ RUN collaborations with all three countries



RUN output by country and SDG (2018-2022)



RUN output by country and SDG (2018-2022)



THE ACCORD

- Blueprint to transform HE sector in Australia for the next decade
- High quality of Australian Research
- Meet Australia's future skills challenges
- Equity lens Improving regional higher education
- Commitment to building a stronger research system
- More university industry collab –esp in HDR
- Recommended more funding and funding the full cost of research
- Increased opportunities for early career researchers –fellowships
- First Nations self-determination

Australian Research Council

- International organisations can collaborate on all grant schemes operated by ARC [Linkage Program](#) and ARC's [Discovery Program](#)
- Around 60 per cent of ARC funded projects have an international collaboration component, with international collaboration increasing annually since 2002
- 2017 high point of success in these schemes for projects with a Brazilian Institution- there has been a decrease in partnerships with Brazilian institutions attaining funding through the ARC over the last 8 years –focus on Australian industry, policy settings
- Brazil accounts for around 1 %of the international collaboration in joint research projects funded by ARC in partnership with industry



Tracking wetland condition globally: Professor Richard Kingsford, UNSW, , Director of the Centre for Ecosystem Science
ARC Project with researchers from Australia, Brazil, France, South Africa and the United States



COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORGANISATION



- CSIRO collaborates in almost all fields of science and link to LA organisations through researcher exchanges, collaboration agreements tech transfer
- CSIRO's largest South American collaborator is Chile with science projects focusing on industries in mining, minerals, aquaculture, and water management.
- CSIRO has two major agreements with Brazil –EMBRAPA and CSIRO, 2010, renewed in 2019 –"semi-arid region" cooperation theme; ITV CSIRO, UTAS -Bees with backpacks
- Renewable energy, Advancing the Circular Economy, Plastics and Sustainability,
- Next Generation Graduates Program



Bee project uses micro-sensing technology to track bees away from their hives to analyze the effects of pesticides, pollution, climate change, mining operations on the movement of bees and their ability to pollinate



STATE TO STATE FUNDING

- Australian states develop their own implantation strategies, designing projects, fostering collaboration between institutions and researchers, as well as seeking international partners.
- State agencies develop their own funding opportunities to strengthen collab between unis and industry and often engage international collaborators to foster diplomatic ties and trade
- Victorian government's agreement with Parana State –bi-lateral MOU since 2016, two rounds of bi-lateral funding for uni led projects. Collaborations have developed between Latrobe, Deakin, Swinburne with Federal University of Paraná , State University of West Paraná , Federal University of Paraná – domestic violence, low-cost sensors for water quality, water management
- A number of similar state-based schemes around decarbonisation, renewable energy, clean tech, climate and energy action



Partnership between Latrobe University's School of Agriculture
And the Universidade Federal do Parana funded by Victorian Government in 2020