

One Science for All:

Advancing Open Science and Collaborative Research at NITheCS

Democratising Knowledge through Open Science, SADC Open Science Workshop, ASSAf

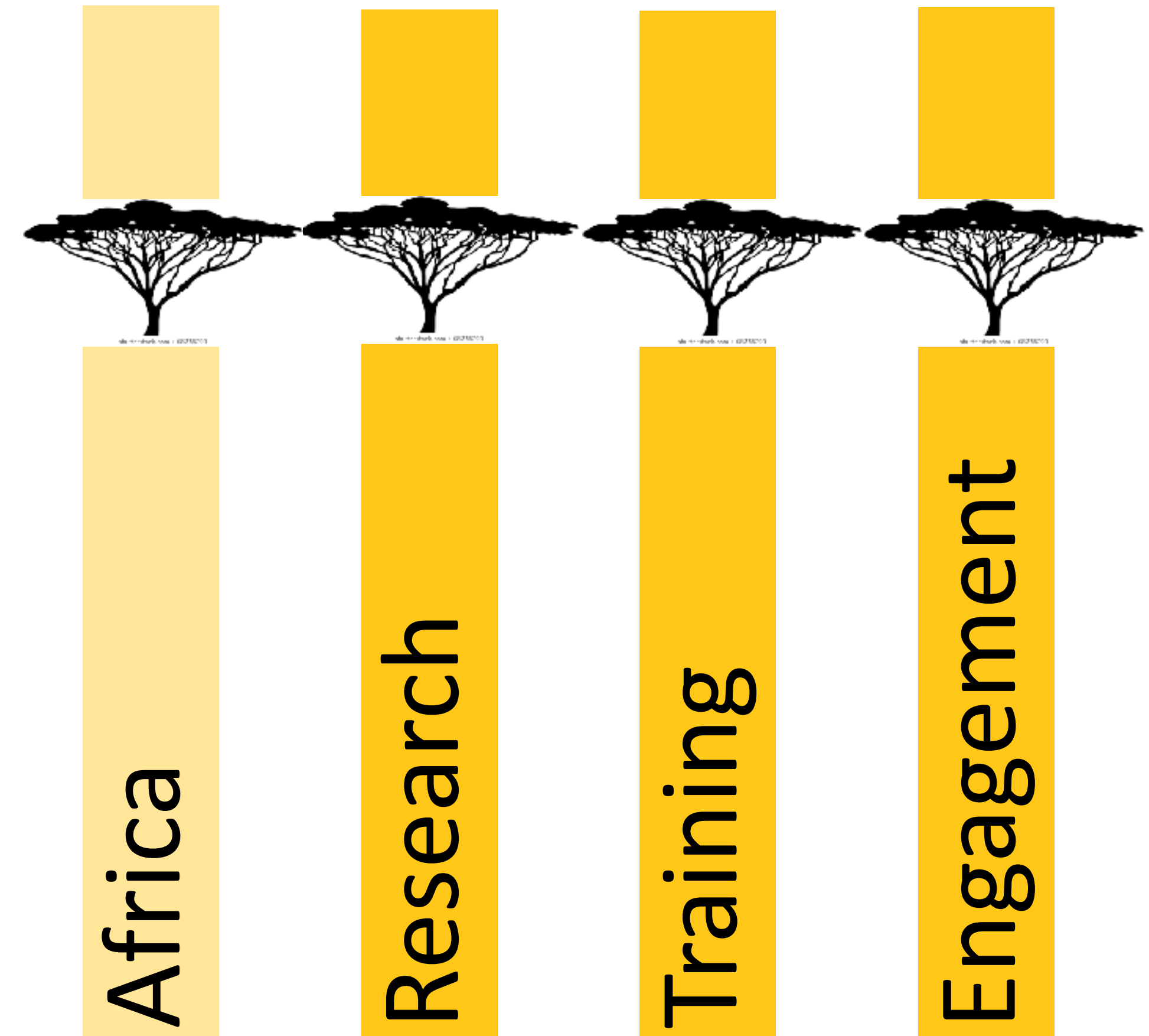
NITheCS

Vision and Mission

MISSION Vision

To be a leading African Institute of Theoretical and Computational Sciences recognised for its excellent and impactful research, training, and engagement programmes.

To build human and research capacity in Theoretical and Computational Sciences and to enhance scientific innovation, transformation, and socio-economic development.

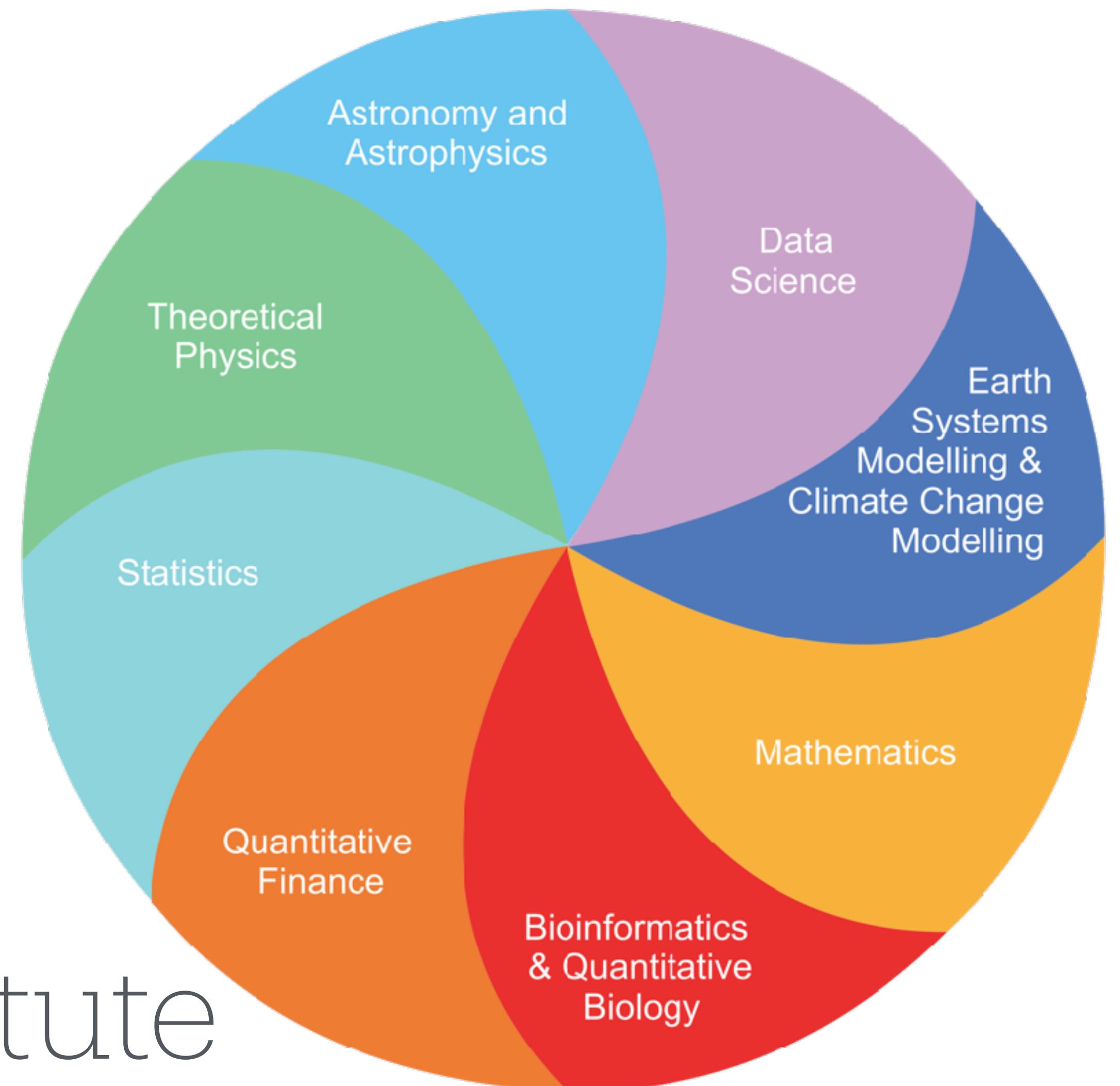


Pillars of the Vision

The NITheCS Disciplines

A multidisciplinary and multi-themed Institute

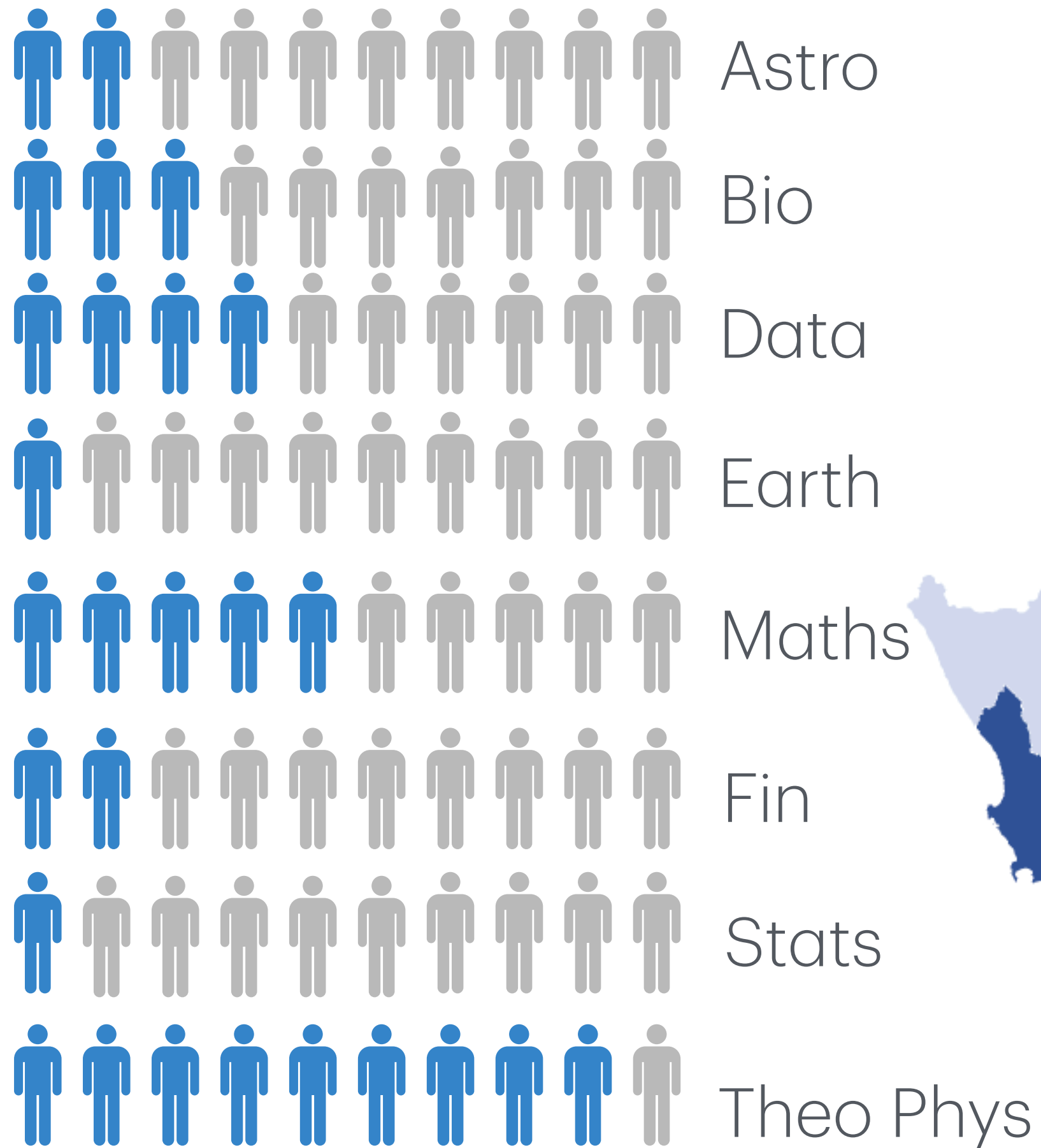
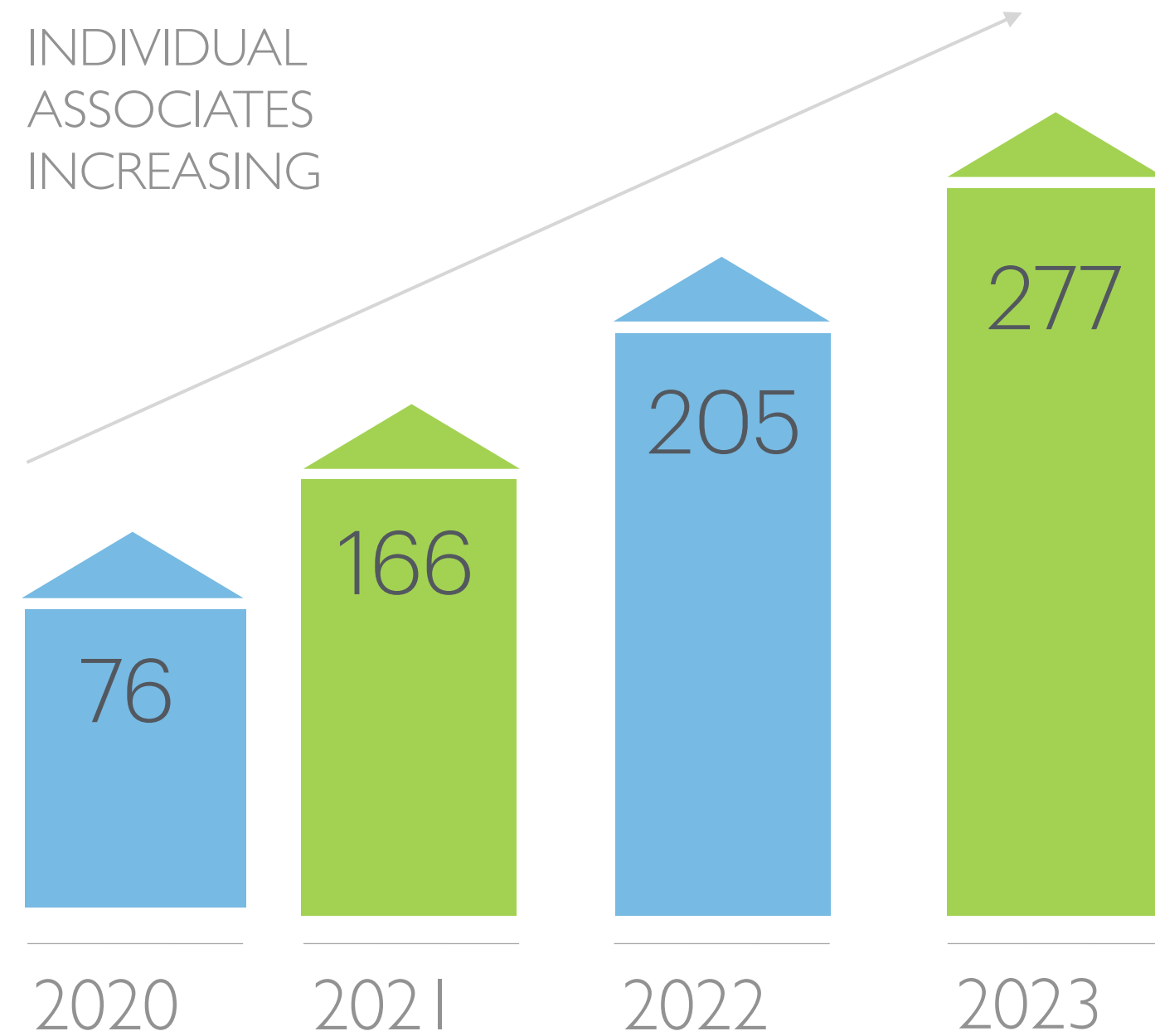
- Theoretical Physics
- Mathematics
- Statistics
- Astronomy and Astrophysics
- Quantitative Biology (including Bioinformatics)
- Quantitative Finance
- Earth Systems and Climate Change Modelling
- Data Science



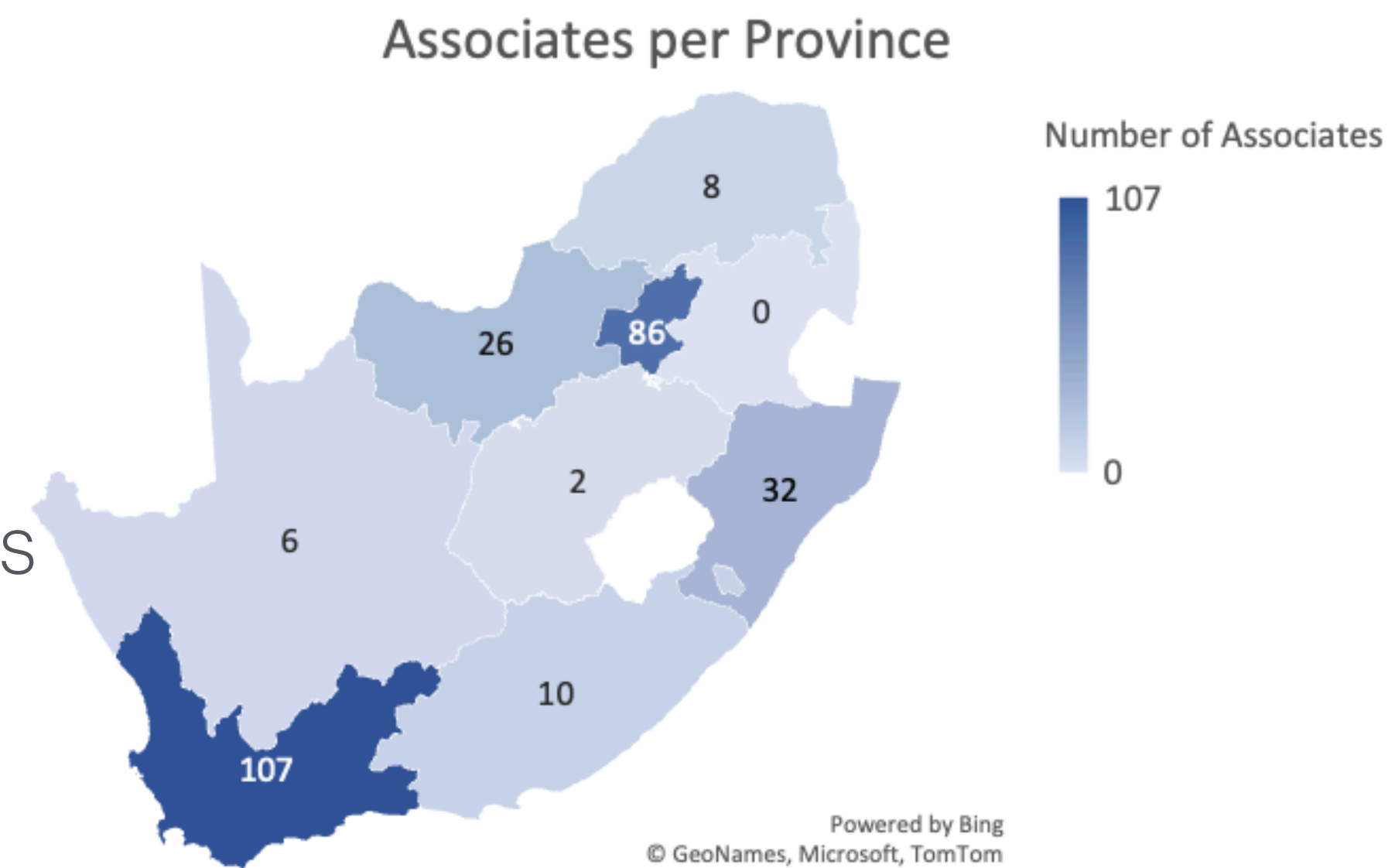
An “undisciplinary” Institute

Associates

Key contributors and collaborators



Associates per Discipline x10



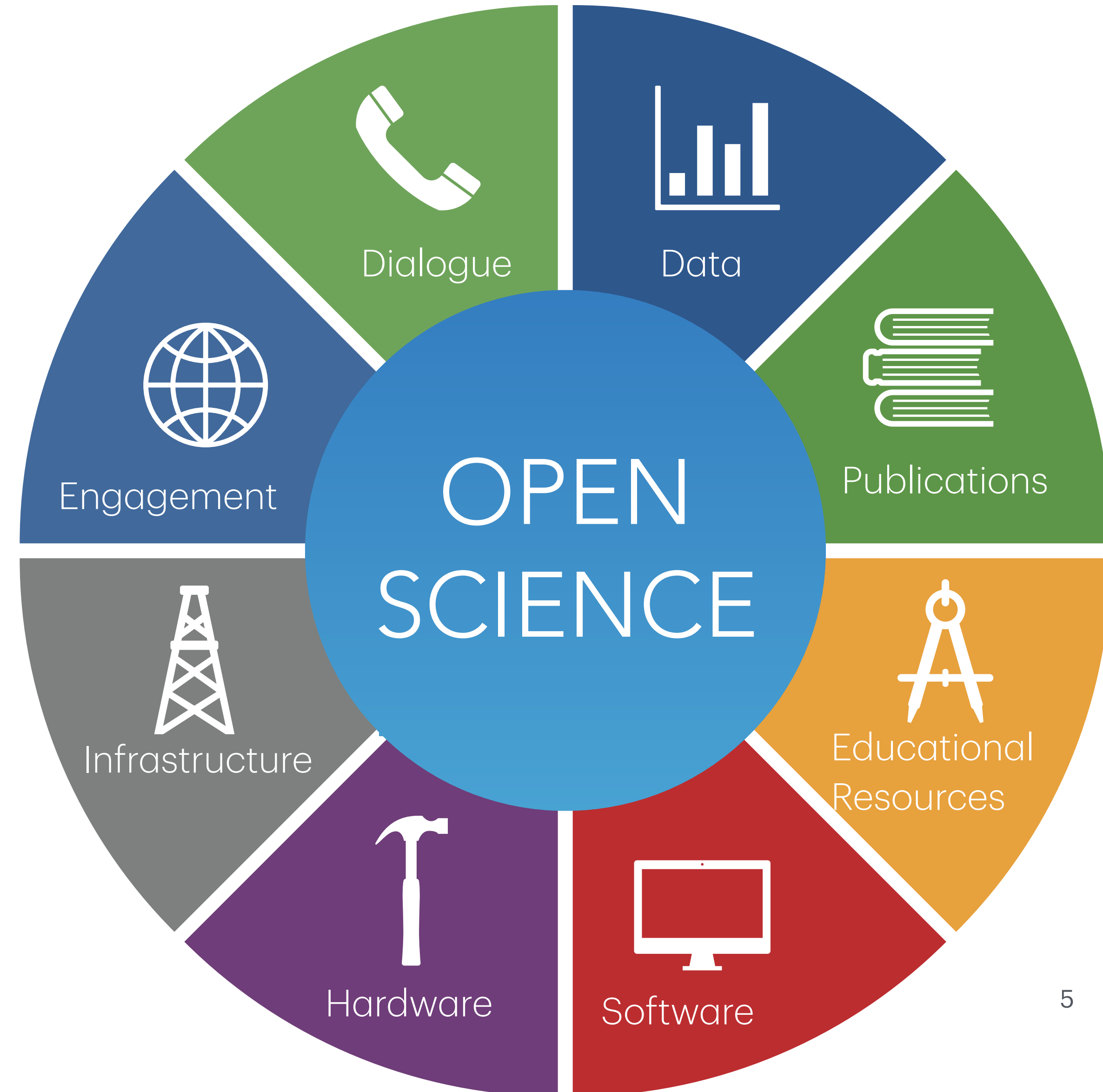
Embracing Openness: Science, Data, and Source

Open Science as a Foundation



“Open science is defined as an inclusive construct that combines various movements and practices aiming to make multilingual scientific knowledge openly available, accessible and reusable for everyone, to increase scientific collaborations and sharing of information for the benefits of science and society, and to open the processes of scientific knowledge creation, evaluation and communication to societal actors beyond the traditional scientific community.”

<https://unesdoc.unesco.org/ark:/48223/pf0000381148>



<https://aosp.org.za/>



<https://osf.io/>

Ubuntu in Science

Together we thrive

You need the
NITheCS
village to raise
a scientist!



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Thank you

If you want to go
fast, go alone. If
you want to go
far, go together.

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