

CLOSING PLENARY: BEYOND BORDERS: SCIENCE, PUBLIC TRUST & MULTILATERAL POLICY

28 JANUARY (DAY 2) 16.00-17.30

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January 2025 | Muscat, Oman

*** What are the factors affecting trust in science?**

*** In a context of increasing mis-information and dis-information, what role can the scientific community play to ensure that robust scientific information is promulgated in ways that enhance trust?**

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Factors

1 TRUSTING SCIENCE, DO YOU?!

Most studies shows that there is a 'TRUST' in general.*
However, others shows a "crisis of Trust" after the COVID19.

2 VALUE ALIGNMENT

People who think that their concerns aren't reflected in scientific research, they do not trust science.

3 NEW MEDIA

Political parties, influential companies take advantage of new media to portray their opinions.

4 CONFLICT OF INTERST

Personal characteristics (individual or groups) may affect trusting science, especially in crisis.

*<https://www.nature.com/articles/s41562-024-02090-5>, Trust in scientists and their role in society across 68 countries, published: 20 January, 2025.

The role of the Scientific Community in a context of increasing mis-information and dis-information

- Without accurate information, the public in general cannot reach the right decisions in any field in life. However, mis-information and dis-information lead to wrong paths.
- However, even the scientists themselves participate in spreading mis-information and dis-information by hype and hyperbole to publication bias and citation misdirection.

- **Infodemic!!**

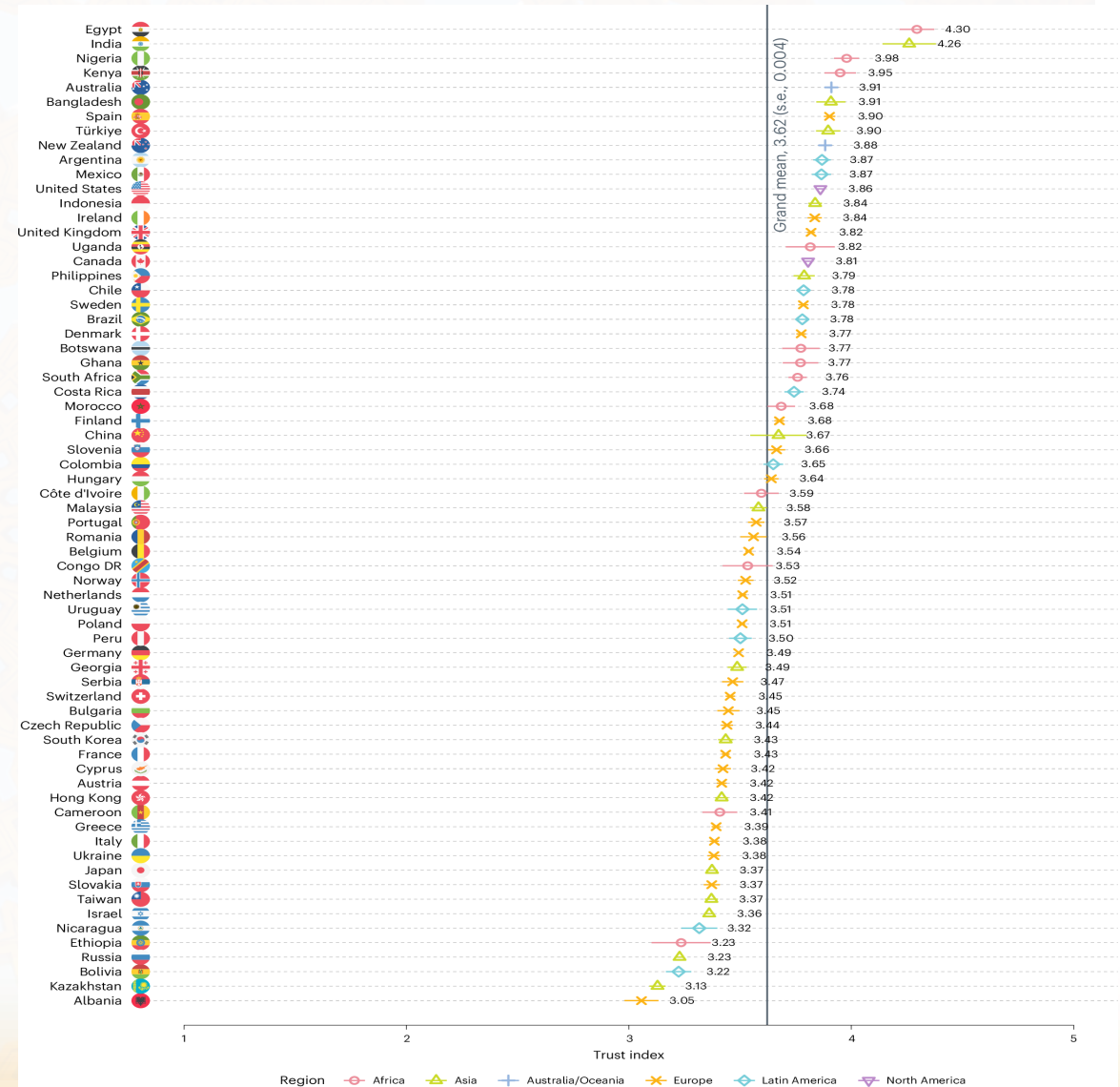
The role of scientific community (Universities, Organisations, Forums, research groups etc.)

- Scientifically Cooperative.
- International Accreditation.
- Annual Evaluation.
- Information Verification Centres (IVC).
- Scientific Laws and Ethics.

The future challenges

- Despite of the international cooperative in science, nevertheless, the future of using mis-information and dis-information are increasing gradually, because of the “easy-going tools” of new technologies and media.
- This makes organisations such as the ISC take more responsibilities to strength the trust in sciences and support scientists to do more research in “trusting science”.

*<https://www.nature.com/articles/s41562-024-02090-5>, Trust in scientists and their role in society across 68 countries, published: 20 January, 2025.



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Thank you!

Contact us at secretariat@council.science