



SIMONA CERRATO | 8 OCTOBER 2021

SCIENTIFIC COMMUNICATION TECHNIQUES: BASICS OF SCIENCE COMMUNICATION

COMMUNICATING RESEARCH

NO COMMUNICATION



NO RESEARCH

All subject areas



All subject categories



All regions / countries



All types



2021

 Only Open Access Journals Only SciELO Journals Only WoS Journals

Display journals with at least 0

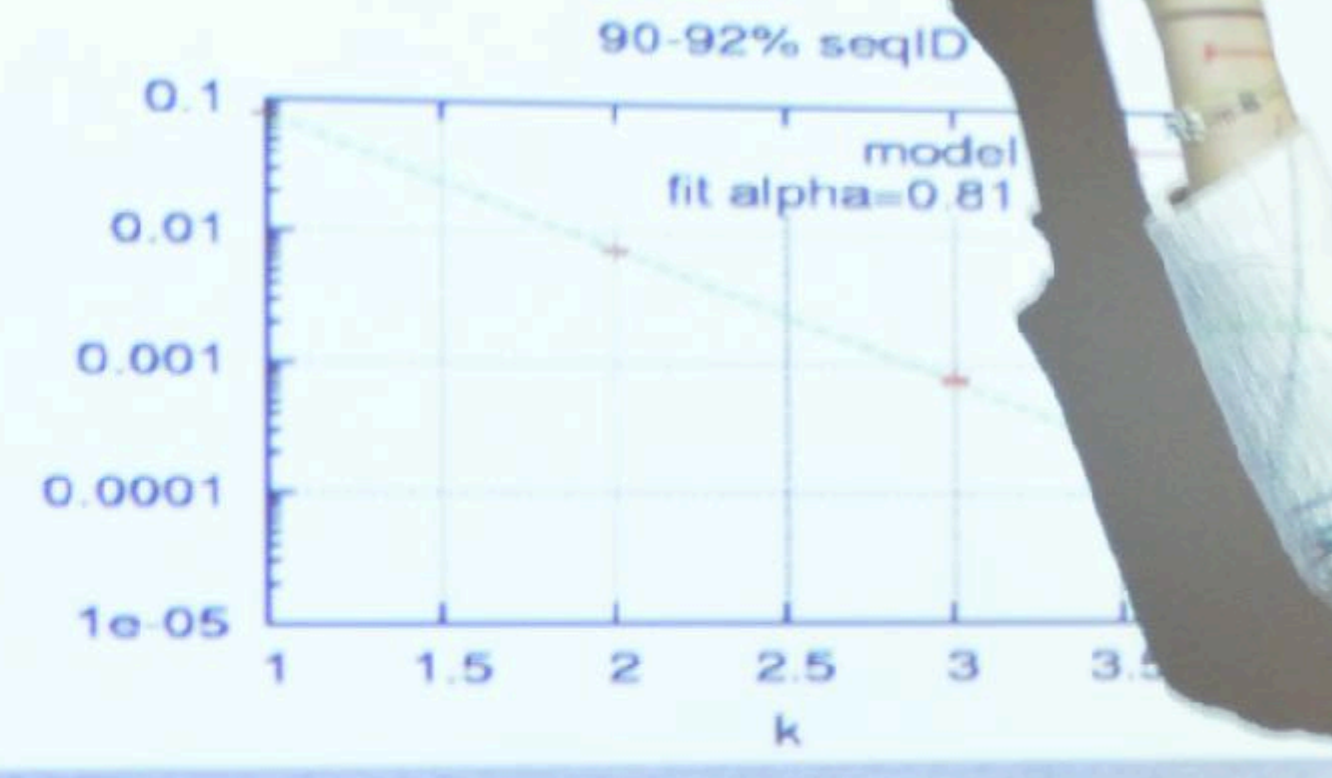
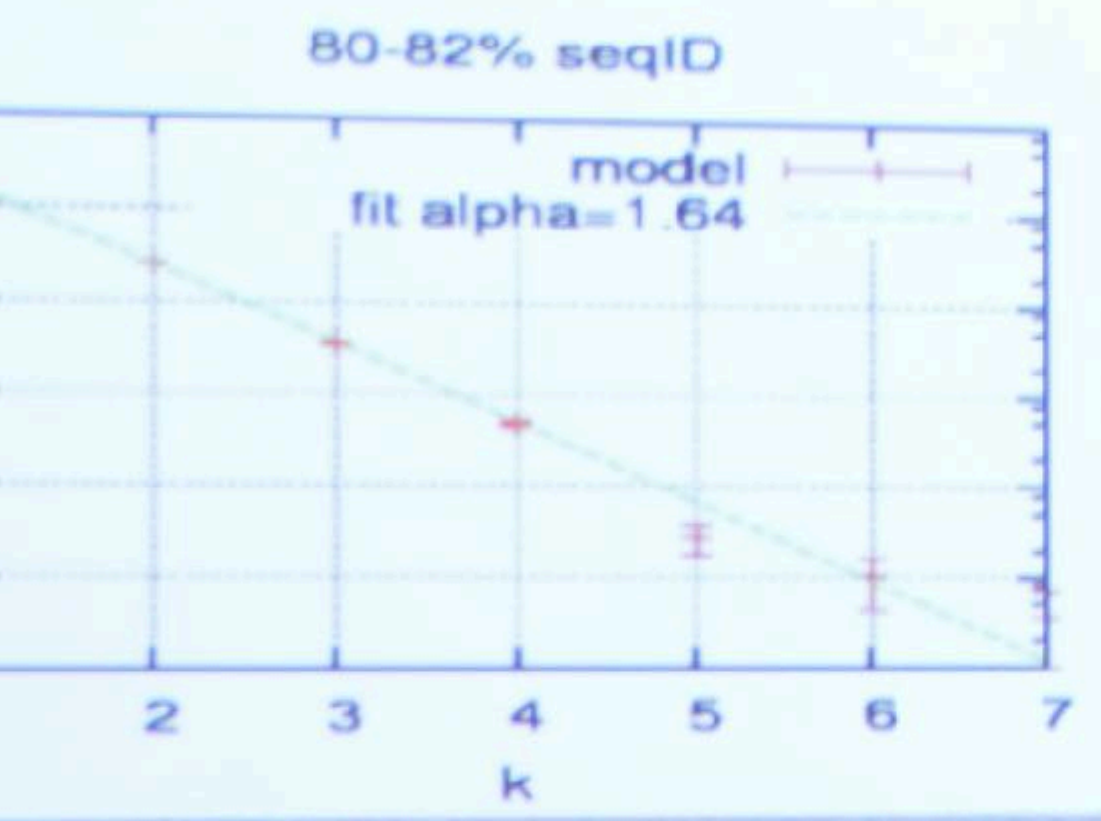
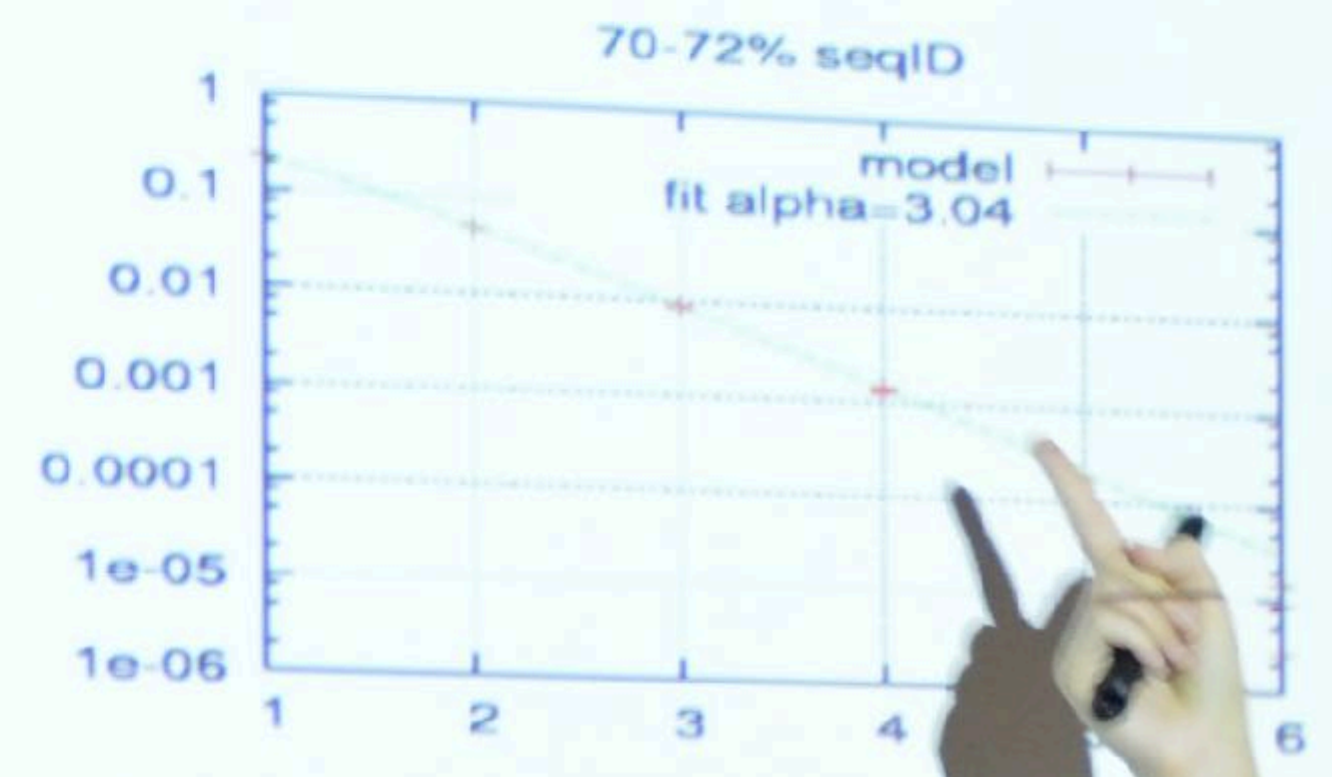
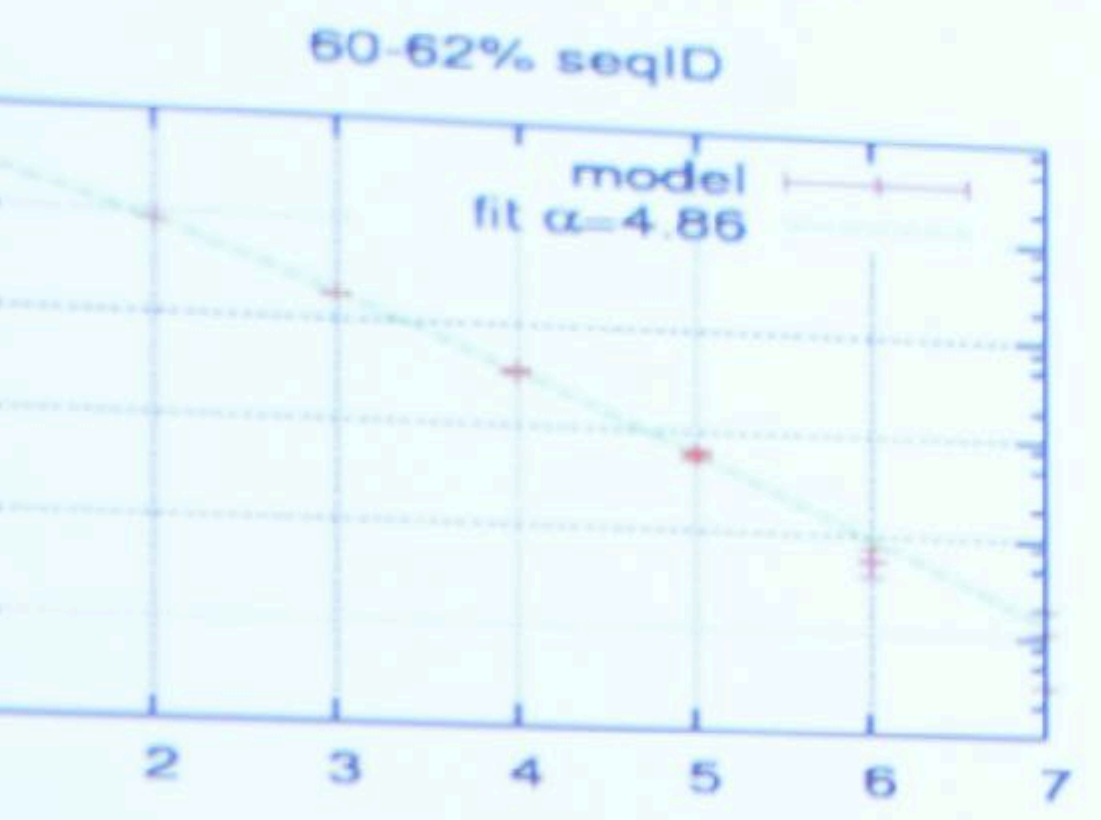
Citable Docs. (3years)



Apply

	Title	Type	↓ SJR	H index	Total Docs. (2021)	Total Docs. (3years)	Total Refs. (2021)	Total Cites (3years)	Citable Docs. (3years)	Cites / Doc. (2years)	Ref. / Doc. (2021)	
1	Ca-A Cancer Journal for Clinicians	journal	56.204 Q1	182	41	121	4006	17959	78	186.75	97.71	
2	Nature Reviews Molecular Cell Biology	journal	33.213 Q1	452	111	338	9025	13797	161	38.55	81.31	
3	Quarterly Journal of Economics	journal	31.348 Q1	272	48	111	3406	2241	110	16.30	70.96	
4	Cell	journal	25.716 Q1	814	517	1727	33658	73240	1639	45.00	65.10	
5	MMWR Recommendations and Reports	journal	25.045 Q1	148	124	17	2900	663	17	33.79	23.39	
6	New England Journal of Medicine	journal	24.907 Q1	1079	1453	4498	14767	143343	1891	35.41	10.16	
7	Nature Medicine	journal	24.161 Q1	576	419	1161	12511	39532	656	35.09	29.86	
8	Nature Reviews Materials	journal	23.876 Q1	131	133	259	13153	10691	140	41.92	98.89	

... modeled by a **negative-binomial distribution**



AXIOMATA SIVE LEGES MOTUS

Lex. I.

Corpus omne perseverare in statu suo quiescendi vel movendi uniformiter in directum, nisi quatenus a viribus impressis cogitur statum illum mutare.

Projectilia perseverant in motibus suis nisi quatenus a resistentia aeris retardantur & vi gravitatis impelluntur deorsum. Trochus, cujus partes cohaerendo perpetuo retrahunt sese a motibus rectilineis, non cessat rotari nisi quatenus ab aere retardatur. Majora autem Planetarum & Cometarum corpora motus suos & progressivos & circulares in spatiis minus resistentibus factos conservant diutius.

Lex. II.

Mutationem motus proportionalem esse vi motrici impressae, & fieri secundum lineam rectam qua vis illa imprimitur.

Si vis aliqua motum quemvis generet, dupla duplum, tripla tripulum generabit, sive simul & semel, sive gradatim & successive impressa fuerit. Et hic motus quoniam in eandem semper plagam cum vi generatrice determinatur, si corpus antea movebatur mo-

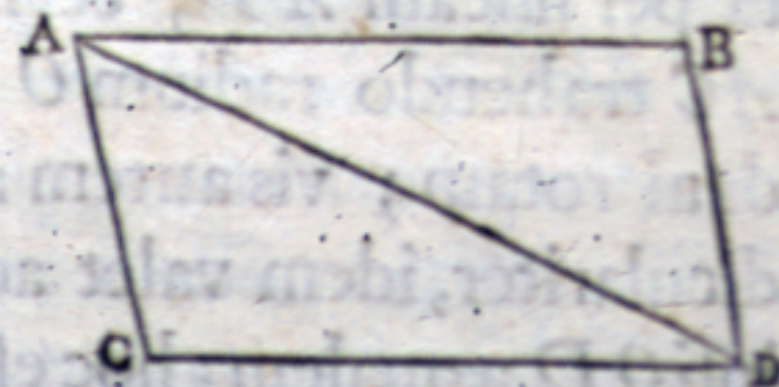
Actioni contrariam semper & aequalem esse reactionem: sive corporum duorum actiones in se mutuo semper esse aequales & in partes contrarias dirigi.

Quicquid premit vel trahit alterum, tantundem ab eo premitur vel trahitur. Siquis lapidem digito premit, premitur & hujus digitus a lapide. Si equus lapidem funi allegatum trahit, retrahitur etiam & equus aequaliter in lapidem: nam funis utrinque distentus eodem relaxandi se conatu urgebit Equum versus lapidem, ac lapidem versus equum, tantumque impedit progressum unius quantum promovet progressum alterius. Si corpus aliquod in corpus aliud impingens, motum ejus vi sua quomodocumque mutaverit, idem quoque vicissim in motu proprio eandem mutationem in partem contrariam vi alterius (ob aequalitatem pressionis mutuae) subibit. His actionibus aequales fiunt mutationes non velocitatum sed motuum, (scilicet in corporibus non aliunde impeditis:) Mutationes enim velocitatum, in contrarias itidem partes factae, quia motus aequaliter mutantur, sunt corporibus reciproce proportionales.

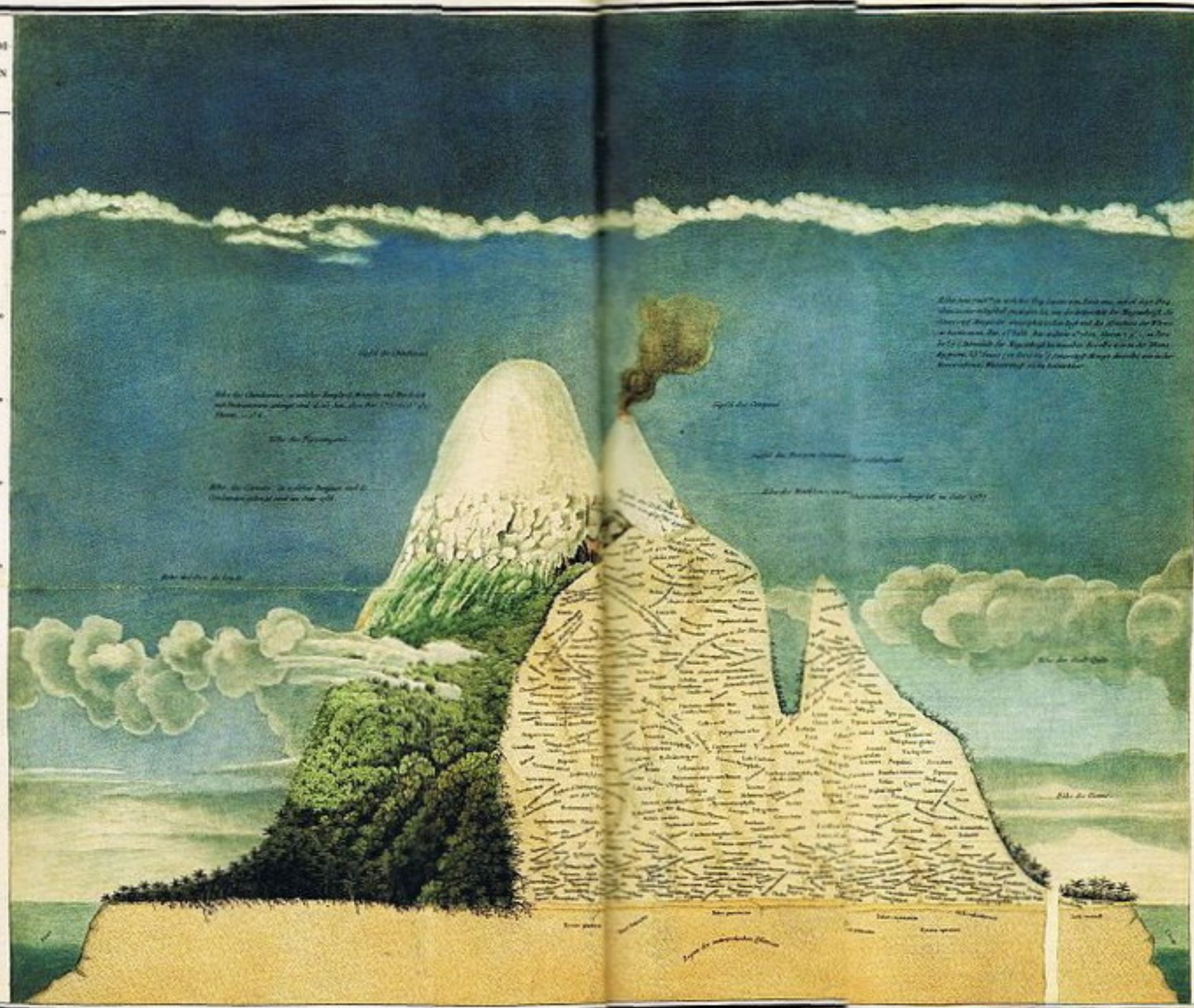
Corol. I.

Corpus viribus conjunctis diagonalem parallelogrammi eodem tempore describere, quo latera separatis.

Si corpus dato tempore, vi sola *M*, ferretur ab *A* ad *B*, & vi sola *N*, ab *A* ad *C*, compleatur parallelogrammum *ABDC*, & vi utraq; feretur id eodem tempore ab *A* ad *D*. Nam quoniam vis *N* agit secundum lineam *AC* ipsi *BD* parallelam, haec vis nihil mutabit velocitatem accedendi ad lineam illam *BD* vi sola



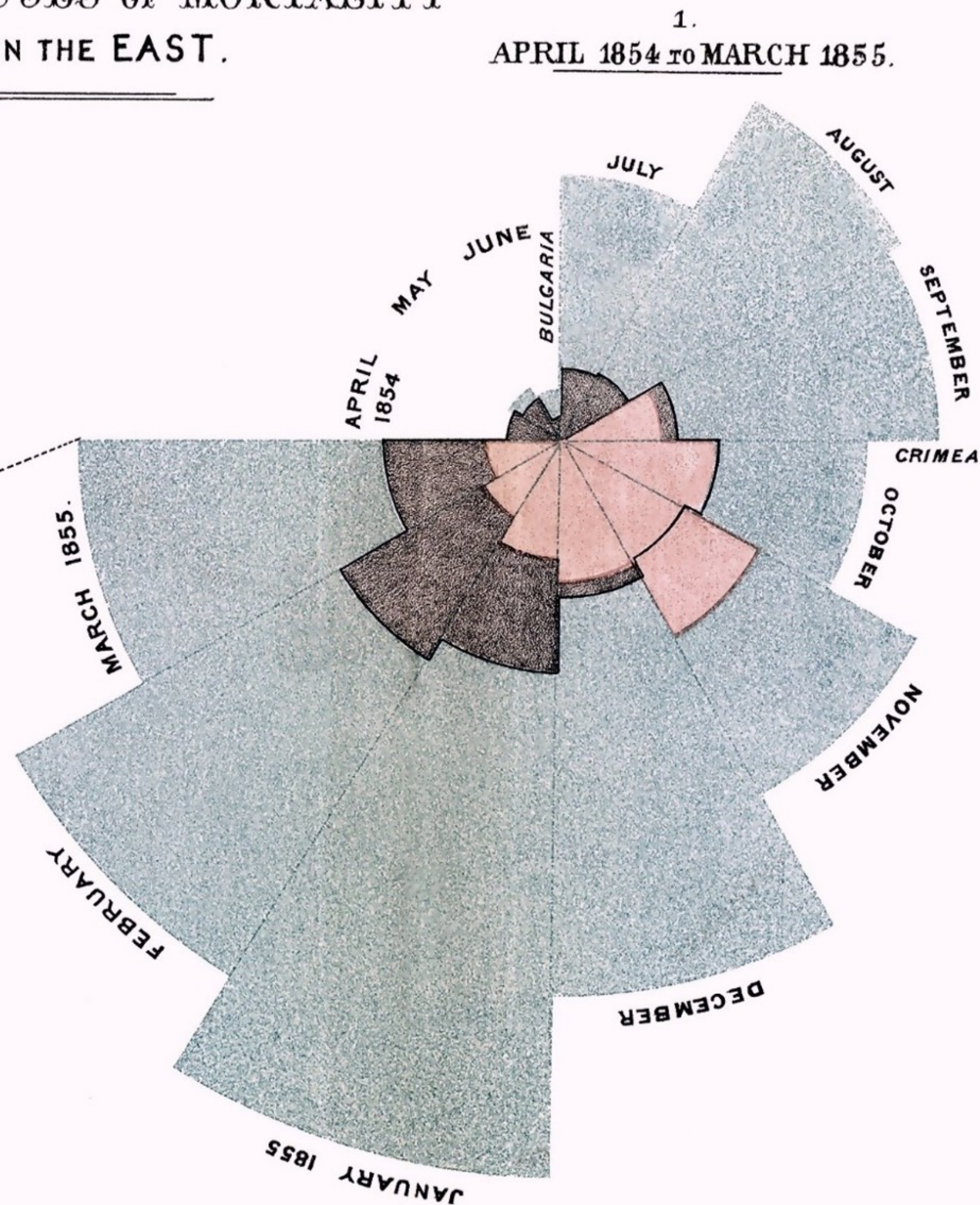
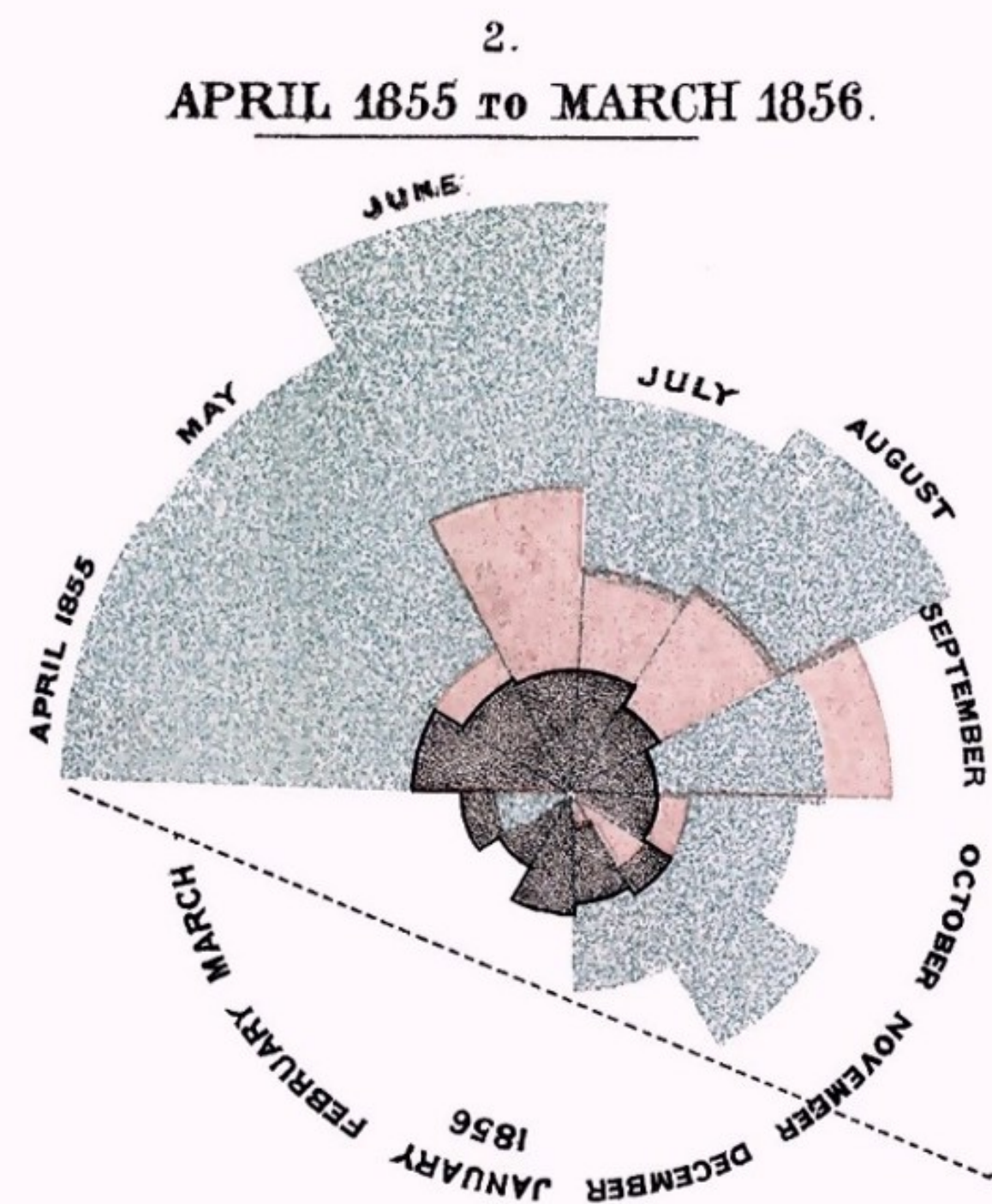
ME- TER	HÖHEN- MESSUNGEN in verschiedenen Witterungen	CULTUR des Landes nach verschiedenen Theilen	WASSER UND WINDEN nach verschiedenen Theilen	ANNALE DER WITTERUNG in verschiedenen Jahren	DRUCK DER LUFT in verschiedenen Höhen	TOI- SEN
10000						
9000						
8000						
7000						
6000						
5000						
4000						
3000						
2000						
1000						
0						



ME- TER	WASSER UND WINDEN nach verschiedenen Theilen	ANNALE DER WITTERUNG in verschiedenen Jahren	DRUCK DER LUFT in verschiedenen Höhen	TOI- SEN
10000				
9000				
8000				
7000				
6000				
5000				
4000				
3000				
2000				
1000				
0				

Geographie der Pflanzen in den Tropen-Ländern;

DIAGRAM OF THE CAUSES OF MORTALITY IN THE ARMY IN THE EAST.



The Areas of the blue, red, & black wedges are each measured from the centre as the common vertex.

The blue wedges measured from the centre of the circle represent area for area the deaths from Preventible or Mitigable Zymotic diseases; the red wedges measured from the centre the deaths from wounds; & the black wedges measured from the centre the deaths from all other causes.

The black line across the red triangle in Nov. 1854 marks the boundary of the deaths from all other causes during the month.

In October 1854, & April 1855; the black area coincides with the red; in January & February 1856, the blue coincides with the black.

The entire areas may be compared by following the blue, the red & the black lines enclosing them.

RESEARCHERS



IMPACT

ACADEMIC IMPACT

- Your author name
- Write informative titles and abstracts
- Multi-authored outputs
- Cross-disciplinary research
- Build communication and dissemination plans
- Put any output to the open web

EXTERNAL IMPACT

Everything that has an effect, change or benefit to the economy, society, culture, public policy or services, health, the environment or quality of life beyond academia.

SCIENCE COMMUNICATION

All the practices and theories related to the communication of scientific topics to the publics

**IN YOUR OPINION, DO RESEARCHERS HAVE
THE DUTY TO COMMUNICATE WITH THE
PUBLIC?**

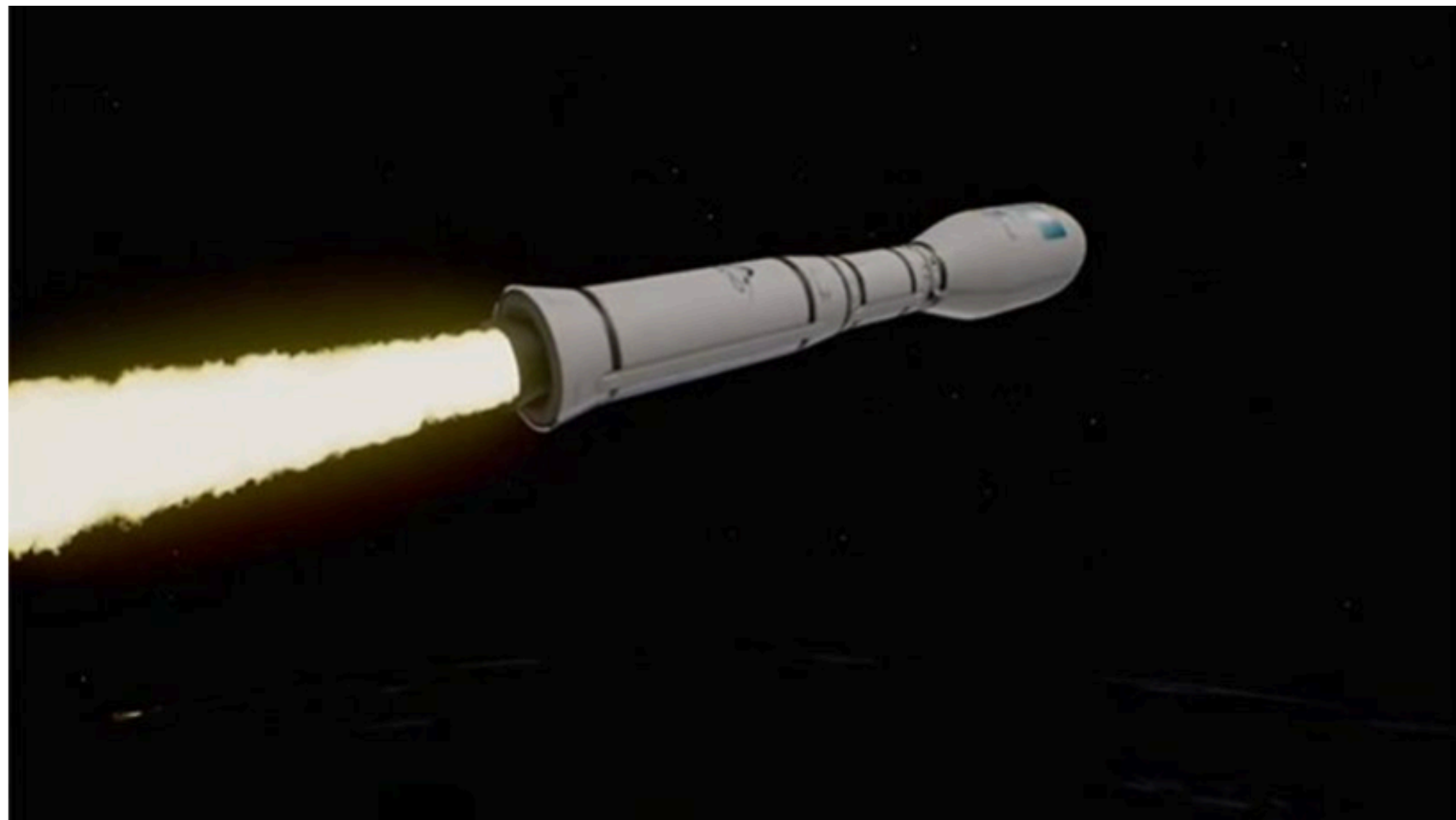
PRACTITIONERS



Science centres, museums, Exhibitions

NEWS

Science



Carbon component blamed for Europe rocket loss

Material failure in an engine nozzle brought down Europe's premier small rocket in December.

1h | Science & Environment

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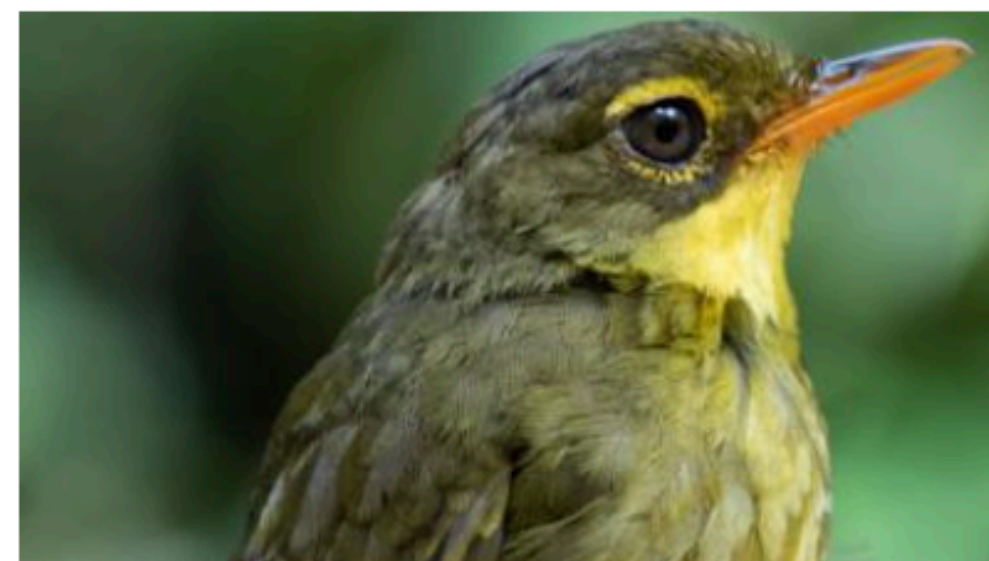
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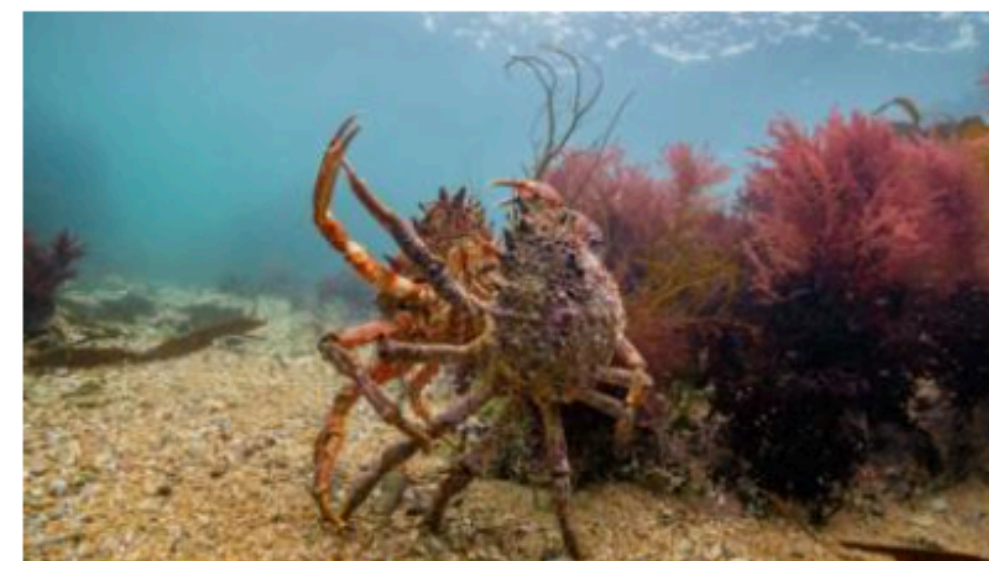
Seed sales jump as fruit and veg shortage continues

The Royal Horticultural Society says demand has risen as shops limit sales of some fresh produce.



Joy as songbird feared extinct seen in Madagascar

The dusky tetraka is a small bird with a distinctive yellow throat that lives on the ground.



Marine reserves off England to get full protection

Fishing will be banned in three areas to allow nature to recover, but critics say plans lack ambition.

Informal education, after school programs



Citizen science, participatory projects, etc.



Risk communication



AND MANY OTHERS

SCHOLARS



Postgraduate

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Course list



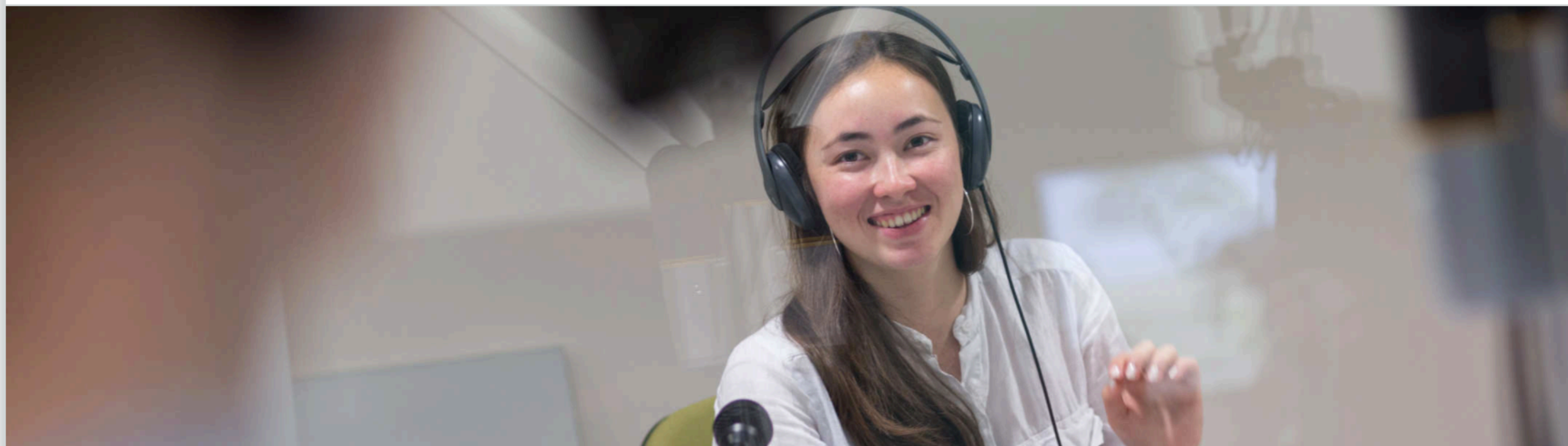
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MSc Science Communication



Prepare for a range of science communication careers through academic and practical experience.

27/02/2023

Book Review

A Challenge for Media and Communication Studies: the Covid-19 Pandemic

by Rod Lamberts

Katarzyna Kopecka-Piech and Bartłomiej Łódzki's edited volume, *The Covid-19 Pandemic as a Challenge for Media and Communication Studies*, could be of great utility to science communication scholars and teachers. The studies with contained within it address two overarching research questions. First, how have media and...

20/02/2023

Article

"There really is a lot of shared understanding, but there are also differences": identity configurations in science communicators' professional identity

by Liliann Fischer and Hannah Schmid-Petri

CALL FOR ABSTRACTS: Special Issue "Connecting Science Communication Research and Practice: Challenges and Ways Forward"

This special issue of JCOM will be devoted to research articles, practical insights and

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Science communication journals between academy and practice – A JCOM panel

Research for All

ISSN 2399-8121 (Online)



Engagement with research goes further than participation in it. Engaged individuals and communities initiate research, advise, challenge or collaborate with researchers. Their involvement is always active and they have a crucial influence on the conduct of the research.

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Open Access

Research article

First published Feb 13, 2023

[Who makes AI? Gender and portrayals of AI scientists in popular film, 1920–2020](#)

Stephen Cave , Kanta Dihal , Eleanor Drage , Kerry McInerney 

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European Research Council

Marie Skłodowska-Curie
Actions

Research Infrastructures

Pillar 2

Global Challenges and
European Industrial
Competitiveness

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- Health
- Culture, Creativity and Inclusive Society
- Civil Security for Society
- Digital, Industry and Space
- Climate, Energy and Mobility
- Food, Bioeconomy, Natural Resources, Agriculture and Environment

Joint Research Centre

Pillar 3

Innovative Europe

European Innovation Council

European innovation
ecosystems

European Institute of
Innovation
and Technology

Widening Participation and Strengthening the European Research Area

Widening participation and spreading excellence

Reforming and Enhancing the European R&I system

WE ARE NOT ALONE

colours of cooperation



NETWORKS | SCIENCE COMMUNICATION

- **EUSEA – European Science Engagement Association**
- **Gong – The Pan-African Network for the Popularization of Science & Technology and Science Communication**
- **PCST – Public Communication of Science and Technology**
- **RedPOP – Red de Popularización de la Ciencia y la Tecnología en América latina y el Caribe**

NETWORKS | EDUCATION

- **STEAM Resources of UNESCO**
- **STEM Alliance**
- **EUCU.NET – Children Universities association**

NETWORKS | CITIZEN SCIENCE

- ECSCA – European Citizen Science Association
- ACSA – Australian Citizen Science Association
- ICAP – Red Iberoamericana de Ciencia Participativa
- CitizenScience Asia
- CS – Citizen Science Association USA

NETWORKS | MUSEUMS

- **ASPAC – Asia Pacific Network of Science & Technology Centres**
- **ASTC – Association of Science and Technology Centers USA**
- **ECSITE – European Network of Science Centers and Museums**
- **NAMES – North Africa and Middle East Science Centers Network**

NETWORKS | JOURNALISMS AND SCIENCE WRITERS

- ISWA – International Science Writers Association
- WFSJ – World Federation of Science Journalists
- EUSJA – European Union of Science Journalists' Association

**HOW HAVE WE GOT
HERE?**