

Strategic Organizational Approaches to Altmetric data:

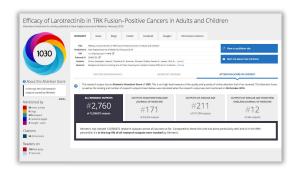
methods and pathways for impact evaluation and beyond

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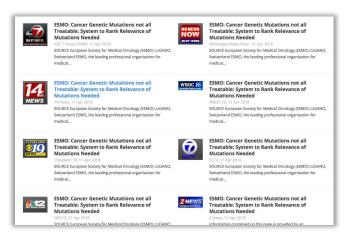
What is research impact?

- Citation counts?
- Journal Impact Factor?
- Influence on policy?
- Technological innovation?
- Furtherance of knowledge?
- Cultural change?
- Public opinion and behavior?
- What else...?



Laying the groundwork for an altmetrics strategy

- How do we define <u>research impact</u> at our organization?
- How do we currently <u>measure</u> that impact?
- Is this influenced/determined by national or funder mandates and frameworks (the REF, OA requirements, etc.)?
- What are the information and communication pathways to these various types of impact -scholarly and beyond?

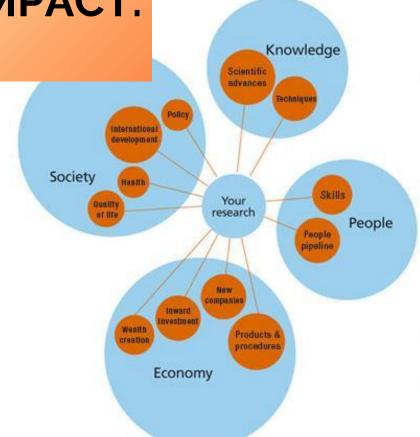




The REF AND WIDER IMPACT:

looking beyond academia

"any effect on, change or benefit to the economy, society, culture, public policy or services, health, the environment or quality of life, beyond academia"





If the *right* audiences can't find or don't read your publications . . .



They won't get the reach or have the impact they deserve and <u>need</u> to have!



How do we get from content discovery to impact?

Awareness

Engagement

Impact



Targeted audiences and pathways to impact

- Identify and track conversations among key influencers
- Assess reach and impact of research via regular internal reporting
- Uncover longitudinal attention patterns



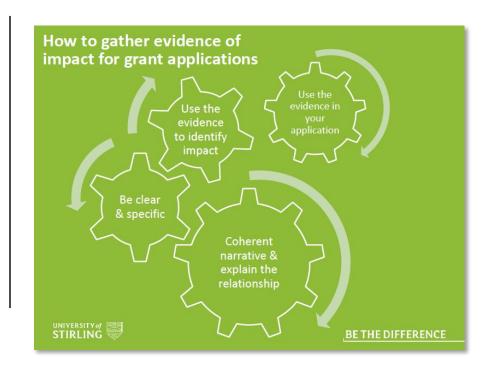


Getting to the <u>heart</u> of an impact narrative

- Craft a coherent narrative connecting research to specific outcomes
- Use altmetrics to evidence attention that describes and tracks these outcomes

Examples:

- 1. Citations in government policy
- 2. References in patent applications
- 3. News or blog coverage regarding changes in practice or technology
- 4. Attention in interdisciplinary fields
- 5. Influence on sources of public information (Wikipedia)



Align with organizational goals and initiatives

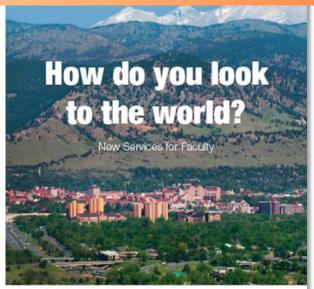
Multi-tiered engagement approach including:

- Streamlined, targeted social media
- Coordination with Elements publication management
- Cross-promotion with ORCID
- Recognition/support of research department outreach efforts



Key Campus Partners:

- 1. Office of Faculty Affairs
- 2. University Libraries
- 3. Communications and Strategic Relations
- 4. Department Communicators
- 5. Chairs and Deans
- 6. Department IT and Support Staff



What is CU Boulder Elements?

A one-click platform for managing your scholarly work. With CU Boulder Elements, you can:

- Claim your publications
- Automatically build your OU Experts faculty profile (formerly VIVO)
 See the Impact of your publications with Atmetric Explorer

Watch for more information on additional new services coming from Faculty Afts
• FRPA.—new and improved interface connecting to CU Bloutter Elements.

CU Boulder Elements trainings for faculty and staff.





colorado.edu/fis



So how do we get there?

Developing your organizational altmetrics plan

- Keep the goals and culture of your organization close in mind!
- Who will be using Altmetric data? With whom will they be sharing this date?
- What other departments/stakeholders might also make use of this information, and what channels of attention are most important to those in your institution?
- What are your stakeholders' expectations surrounding Altmetric data; and, what, if any, misconceptions might they have?
- What's the best approach: pilot with power users, organizational-wide launches, phase approach?



Step #1: Identifying users, stakeholders, and their needs/motivations: conducting an organizational environmental scan

User/Stakeholder Group	Research role/goal	Altmetric data focus	Method of contact/outreach
Senior Faculty	Catalyze innovation	Patent references	One-on-one meeting
Librarians/Research Support	Internal reporting	Longitudinal patterns	Internal listservs
Communications/External Relations	Reputation management	Reddit	Email
REF/Impact Case Managers	External reporting	Aggregate data + qualitative info	Working Group
Scholarly Comms Office	Target research dissemination	Blogs and F1000	Planning Committee
Leadership, Chancellor's Office, etc.	Showcase broader impact	High-profile news	Quarterly meetings
Academic Offices/Department Chairs	Program planning	Blogs	Dept workflows
Early-career researchers	Connect to key influencers	Twitter	Workshops, webinars

Step #2: Establishing your (adaptive) altmetrics plan

- 1. Align strategy with mission and goals -- Working groups; strategic plan exercise
- 2. <u>Organize schedule for launch</u> -- *consider internal and external outreach channels, lead time, phases, etc.*
- 3. <u>Training/engagement</u> -- meet your users where they are (sometimes literally)
- 4. Resources and collateral -- identify varied stakeholder needs and access
- Next level engagement -- target new projects/outputs, seek collaborations, conduct or support altmetrics research
- 6. Evaluate and adjust -- see your Engagement Plan as iterative and responsive



- Identify phases/components appropriate for your organization
- Determine specific pathways and tools needed to approach and complete each phase
- Set timelines and goal-posts that align with existing workflows
- 4. Establish benchmarks and specific outcomes
- 5. Assess success of each phase and adjust your plan

Altmetric Organizational Engagement Plan and Rubric

Phase / Component	Tools/Pathway	Timing	Outcomes / Goals
Environmental scan - identify user groups and stakeholders	- Collect primary data (usage/publication info) - Conduct internal survey - Direct inquiries with various departments/groups	Summer 2018	Ex: Establish cross-institutional working group or task force; identify altmetrics advocates and champions among faculty
Strategy Alignment - develop strategy in conjunction with broader organizational goals	Mission Statement/Strategic Plan Exercise User Personas Coordinate with other digital tools and services + workflows	By Oct 15	Ex: Working Group crafts altmetrics goals statement aligning data channels with institutional vision and areas of focus
Launch Plan - develop schedule for roll-out promotion and activities	Lead time for outreach Coordinate with key user groups and stakeholders Determine appropriate communication channels	End of term	Ex: Organize multi-phased approach that includes promo teasers, coordinated outreach, and targeted communications campaign timed with institution-wide release
Training Plan - determine approach for initial and ongoing educational opportunities	- Format and location - Number of Sessions - Varied topics - Altmetric support - Coordinate with related tools/initiatives		Ex: Lead initial round of train-the-trainer sessions with librarians to target power users across various stakeholder groups; hold joint



Example: Establishing altmetrics advocates via a pilot launch

- Use environmental scan to identify potential early-adopters
- Determine pilot group: one department or many? End users and/or leadership?
- Establish clear goals and timelines
- Focus on actionable use or open exploration?
- Approach and resources for training and support

- Select a goal you would like to accomplish/decision to make incorporating Altmetric Data.
- 2. How will you measure/success in terms of finding info to answer the task above?
- 3. How long will it take you test the goal above you've established?
- 4. What additional resources will you need?
- 5. Follow-up and resource-evaluation: How could you expand upon this project?



Helping your participants brainstorm: What questions do they need answered?

- Pain points? Key stakeholders?
- New projects/initiatives?
- Elevating visibility?
- Departmental-level reporting?
- Providing direct researcher consultancy
- Benchmarking programs or communications?



Getting to actionable use cases

EXAMPLES:

- Track global conversations of my research (or my department/team's) publications
- Monitor recent publications of mine or my department's (or around a subject area/topic)
- Determine resource allocation based upon emerging research areas
- Benchmark/analyze engagement following a project or initiative launch
- Uncover key influencers or specific audiences discussing research in your/a specific field (eg, patients, practitioners, policy-makers, etc.)
- Show longitudinal impact of research publications





Altmetrics in support of impact evaluation

REF2021 Research Excellence Framework

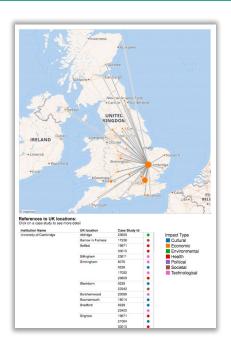
Outputs, impact beyond academia, and environment

- Variance across Units of Assessment?
- Gaps in 2014 reporting?
- Aggregate data in support of Environment Statement
- Current workflows for analyzing and reporting impact?
- Working group with other REF Managers and institutions?



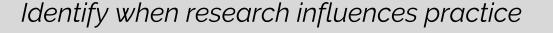
University of Cambridge













References to UK locations: Click on a case study to see more detail Cultural Economic ■ Environmental ■ Health Political ■ Societal Technological 12523 12524 14125 14584

Brunel University





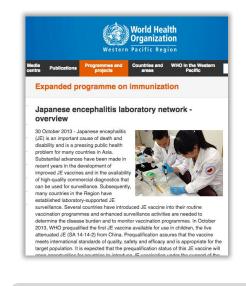
Medical advances, social accountability, interdisciplinary, boundary-pushing outputs

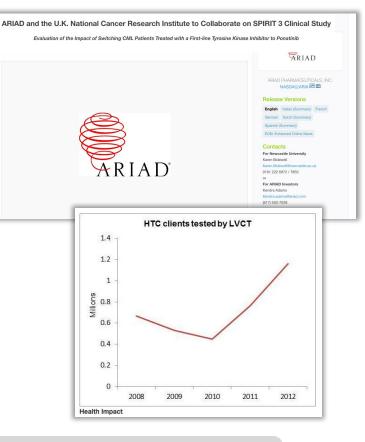




Liverpool School of Tropical Medicine





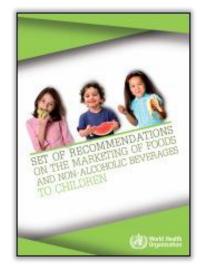


Changes to clinical practice, impact on public awareness, improved disease testing



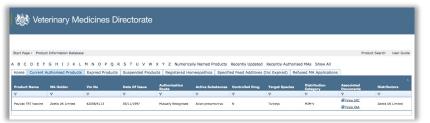
UNIT'O KING'OM SLE OF MAN References to UK locations: Click on a case study to see more detail Institution Name UK location Impact Type Cultural ■ Health Political Bridgend Societal Technological 5574 Cambridge Cheltenham Edinburgh Gateshead

University of Liverpool





Recommendations for nutrition regulations, impact on public awareness, improved poultry disease control



MORE REF?



Crafting an impact statement

<u>WHO</u> benefitted from this research? <u>WHEN</u> did this impact take place?

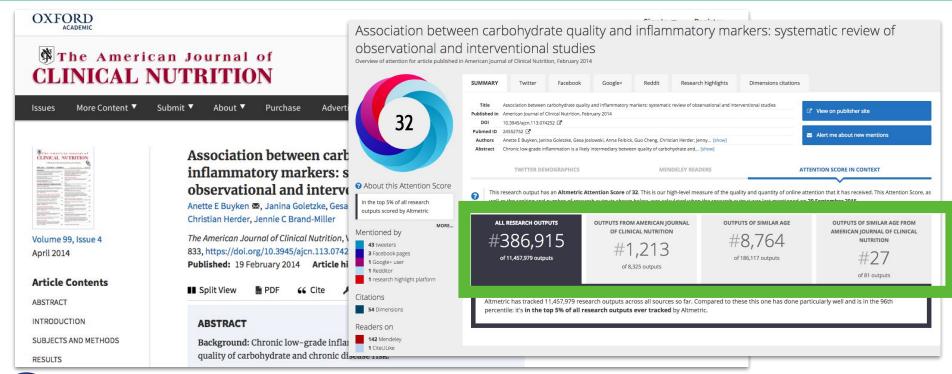
<u>WHAT</u> is/was impact or benefit? <u>HOW</u> did the research translate to impact?

<u>WHERE</u> did this impact occur? <u>WHY</u> is this research and subsequent impact important?

TIPS:

- Use narrative to clearly outlines the research impact
- Explain the relationship between the associated research and the impact
- Identify nature or type of impact (eg, social, economic, cultural, and/or environmental impact)
- Extent of the impact, including specific references and examples

Example: Connecting research on the role of the glycaemic index in health and disease to practitioners and patients





Share your altmetrics successes!

- Examples of impact stories?
- Disciplinary variances?
- Resources needed?
- Reporting formats and timelines?
- Feedback from researchers?

PLEASE ADD YOUR IDEAS TO THE Q&A!



Questions?





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