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## **The impact of Science Literacy delivery methods - what works?**

### Bibliography

#### **TED Talks | Group 1. Events, meetings, performances**

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Date: August 2018

## Introduction

This thematic bibliography is the result of research to survey existing literature available on Science Literacy delivery methods.

The search was carried out by retrieving documents and articles from a wide range of sources, including research databases, Google Scholar, ResearchGate, subject databases, open access repositories etc. using keyword combinations.

The results of the resource discovery are divided into two groups: one containing impact assessments using qualitative, quantitative or mixed method (both qualitative and quantitative) approaches to data collection and a second including descriptive resources, which encompass, for example, reviews, guides, handbooks, reports and project reports.

This bibliography is work in progress and is not designed to be fully exhaustive or complete. We will be pleased to receive suggestions and recommendations for additions that can contribute to the understanding of science, its applications and, to the promotion of science literacy.

## Groups and methods list

During the first part of the Desk Research phase of this project (i.e. Task 1), the team identified 42 single-mechanism approaches, 2 composite approaches and 1 related approach that were relevant to the delivery and dissemination of scientific information. The list of single mechanisms was further organised into 7 thematic groups, as presented in the following Table.

Single mechanism approach	Group
Exhibitions, Expo, Festivals, Movies, Picnics, Science fairs, Seminars, Talks, TED Talks, Theatre, Workshops	1. Events, meetings, performances
Colloquia, Courses, Curricula, E-learning, Webinars	2. Education and training – including online
Animations, Books, Brochures, Cartoons, Comics, Games, Graphics, Posters, Publications, Radio, Reports, TV, Videos	3. Traditional publishing and journalism – print and broadcast
Competitions, Experiments, Makerspaces, Mobile classrooms, Mobile laboratories	4. Activities and services
Blogs, E-books, E-zines, Mobile Apps, Podcasts, Social media, Websites, Wikis	5. Online interactions
<b>Composite approaches</b>	
Multiliteracies	
Multimodalities	
<b>Related approach</b>	
Citizen Science	

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## Impact Assessment

- Pan, Xuelian, Erjia Yan, and Weina Hua. "Science Communication and Dissemination in Different Cultures: An Analysis of the Audience for TED Videos in China and Abroad: Science Communication and Dissemination in Different Cultures: An Analysis of the Audience for TED Videos in China and Abroad." *Journal of the Association for Information Science and Technology* 67, no. 6 (June 2016): 1473–86. <https://doi.org/10.1002/asi.23461>.
- Sugimoto, Cassidy R., and Mike Thelwall. "Scholars on Soap Boxes: Science Communication and Dissemination in TED Videos." *Journal of the American Society for Information Science and Technology* 64, no. 4 (April 2013): 663–74. <https://doi.org/10.1002/asi.22764>.
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## Descriptive Resources

- Anderson, Chris. "TED Isn't a Recipe for 'Civilisational Disaster.'" *The Guardian Online*, January 8, 2014. <https://www.theguardian.com/commentisfree/2014/jan/08/ted-not-civilisational-disaster-but-wikipedia?CMP=twtd>.
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- Cucinotta, Olivia. "How Teachers Can Best Use TED Talks in Class, from the Perspective of a Student." *TED Blog* (blog), August 26, 2014. <https://blog.ted.com/how-teachers-can-best-use-ted-talks-in-class-from-the-perspective-of-a-student/>.
- Donovan, Jeremy. *How to Deliver a TED Talk: Secrets of the World's Most Inspiring Presentations*. Revised and expanded new edition. New York: McGraw-Hill Education, 2014.
- Hawks, John. "TED Needs a Better Curator." *John Hawks Weblog* (blog), January 2, 2014. <http://johnhawks.net/weblog/topics/meetings/ted-not-evil-bratton-2013.html>.
- Nicolle, Eileen, Emmanuelle Britton, Praseedha Janakiram, and Pierre-Marc Robichaud. "Using TED Talks to Teach Social Determinants of Health: Maximize the Message with a Modern Medium." *Canadian Family Physician Medecin De Famille Canadien* 60, no. 9 (September 2014): 777–78, 788–89. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4162684/>.
- Shema, Hadas. "The Impact of TED Talks." *Scientific American* (blog), 2014. <https://blogs.scientificamerican.com/information-culture/the-impact-of-ted-talks/>.
- Tsou, Andrew, Mike Thelwall, Philippe Mongeon, and Cassidy R. Sugimoto. "A Community of Curious Souls: An Analysis of Commenting Behavior on TED Talks Videos." Edited by Tobias Preis. *PLoS ONE* 9, no. 4 (April 9, 2014): e93609. <https://doi.org/10.1371/journal.pone.0093609>.