VERITÀ PER

GIULIO REGENI



SIMONA CERRATO | 14 OCTOBER 2021





Science is a body of knowledge and methods that allow us to understand the universe, find our place as humans within and shape our world and societies.

CONTEXTUALIZED APPLIED TRANSDSCPLNARY UNCERTAIN ABGUOUS

Climate emergency



and the second second 100

Human augmentation





Light, visualisation: Liquifer Systems Group, 2018



Artificial Intelligence



Global health



Map of the COVID-19 verified number of infected per capita as of 10 July 2021



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Fundamental research









COMMUNICATION AS A FLOW OF INFORMATION

More than ever, people need some understanding of science, whether they are involved in decision-making at a national or local level, in managing industrial companies, in skilled or semi-skilled employment, in voting as private citizens or in making a wide range of personal decisions. In publishing this report the Council hopes that it will highlight this need for an overall awareness of the nature of science and, more particularly, of the way that science and technology pervade modern life, and that it will generate both debate and decisions on how best they can be fostered.

Bodmer report– The Royal Society 1985 | https://royalsociety.org/~/media/royal_society_content/policy/publications/1985/10700.pdf



For their excess of fearfulness, the laymen have only themselves to blame and their nightmares are a judgement upon themselves for their deep-seated scientific illiteracy.

PETER MEDAWAR, NOBEL PRIZE IN MEDICINE, 1977



Deficit model

Main Focus	Public ignorance
Key Issues	Communicating
Communication style	One-way, top-do
Model of scientific governance	Science-led, 'sci
Sociotechnical challenge	Maintaining ration independence
Overall perspective	Focusing on scie
Emphasis	Content
Aims	Transferring knc
Ideological contexts	Scientism; Tech

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owledge

Scientism; Technocracy; Rhetoric of the knowledge economy

Ref: Andrea Bandelli

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Dialogue model

Main Focus	Dialogue, engage
Key Issues	Re-establishing p debate, addressir
Communication style	Two-way, bottom-
Model of scientific governance	Transparent, resp
Sociotechnical challenge	Establishing broa
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Aims	Discussing implic
Ideological contexts	Social responsibil

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Social responsibility; Culture

Ref: Andrea Bandelli

PARTCPATION MODEL



Xraise Cornell - You Tube



Participation model

Main Focus

Key Issues

Communication style

Model of scientific governance

Sociotechnical challenge

Overall perspective

Emphasis

Aims

Ideological contexts

reflexivity and critical analysis

resource

Content and Context

Civic science; Democracy

- Direction, quality and need for sociotechnical change
- Setting science and technology in wider cultural context, enhancing
- Multiple stakeholders, multiple frameworks
- Open to contested problem definitions, beyond government alone, addressing societal concerns and priorities
- Viewing heterogeneity, conditionality and disagreement as a societal
- Focusing on scientific / political cultures
- Setting the aims, shaping the agenda of research

Ref: Andrea Bandelli

Deficit

Main Focus	Public ignorance and technical education	Dialogue, engagement, transparency, building trust	Direction, quality and need for sociotechnical change
Key Issues	Communicating science, informing debate, getting the facts straight	Re-establishing public confidence, building consensus, encouraging debate, addressing uncertainty	Setting science and technology in wider cultural context, enhancing reflexivity and critical analysis
Communication style	One-way, top-down	Two-way, bottom-up	Multiple stakeholders, multiple frameworks
Model of scientific governance	Science-led, 'science' and 'politics' kept apart	Transparent, responsive to public opinion, accountable	Open to contested problem definitions, beyond government alone, addressing societal concerns and priorities
Sociotechnical challenge	Maintaining rationality, encouraging scientific progress and expert independence	Establishing broad societal consensus	Viewing heterogeneity, conditionality and disagreement as a societal resource
Overall perspective	Focusing on science	Focusing on communication and engagement	Focusing on scientific / political cultures
Emphasis	Content	Context	Content and Context
Aims	Transferring knowledge	Discussing implications of research	Setting the aims, shaping the agenda of research
Ideological contexts	Scientism;Technocracy; Rhetoric of the knowledge economy	Social responsibility; Culture	Civic science; Democracy

Dialogue

Participation

Ref: Andrea Bandelli



THE AUDIENCE INVOLVEMENT SPECTRUM



CROWD SOURCING

Audience becomes activated in choosing or contributing towards an artistic product.

- contests
- Virtual choruses

PARTICIPANT'S LEVEL OF CREATIVE CONTROL CURATORIAL INTERPRETIVE INVENTIVE

SPECTATING

Spectating is fundamentally an act of receiving a finished artistic product. It is therefore outside the realm of participatory arts practice.

ENHANCED ENGAGEMENT

Educational or "enrichment" programs may activate the creative mind, but for the most part do not involve creative expression on the part of the audience member.

https://www.chrisunitt.co.uk/2011/11/links-for-2-november-2011/audience-involvement-spectrum/



• Youth mosaics • Photography • An opera libretto comprised of Tweets **CO-CREATION**

Audience members contribute something to an artistic experience curated by a professional artist.

- Participatory theater
- Pro/Am concerts
- Storytelling events
- Participatory public art



AUDIENCE-AS-ARTIST

Audience members substantially take control of the artistic experience; focus shifts from the product to the process of creation.

- Public dances
- Community drawing contests



SPLIT IN THREE GROUPS AND DISCUSS THEN REPORT TO THE OTHERS



DEFICIT MODEL

- TV and radio programs
- Public lectures
- Science articles
- Podcast

DIALOGUE MODEL

- Discussion games
- Participative exhibits
- Science café
- Interactive labs

PARTICIPATION MODEL

- Citizen science projects
- Consensus conferences
- Living labs

https://app.us.lifeology.io/viewer/lifeology/scicomm/a-brief-history-of-science-communication?fbclid=lwAR3VrESAy1oGKoGR0-xrx5WtvAxBnrg8PxePMiBVzvxi_2o6jfSurxji04#d510d52a4c41

An Inclusive History of SciComm

In this flashcard course, learn a brief but inclusive history of science communication. Continue to learn through a discussion among students of scicomm!

52 CARDS

