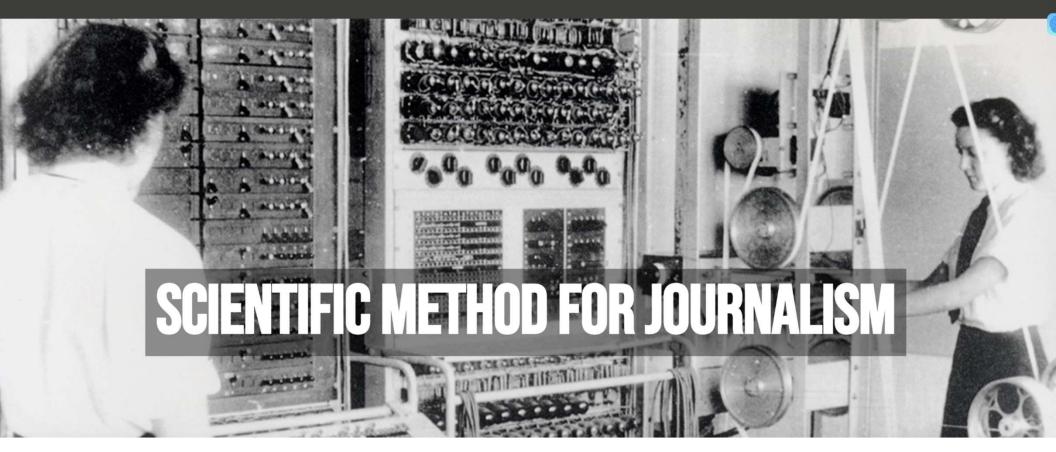
How to think about collaborative science journalism

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OUR PROCESS

Facta's method, step by step



Clear hypotheses

Inspired by experts and scientists, the needs of local communities, relevant literature and the public discourse, we define clear and explicit hypotheses to be tested.



Data and literature

The investigation begins: we search for literature reviews, relevant publications and reports, open and public data, and original or citizens' science experiments.



Field reporting

We go into the field to collect stories and experiences, with a particular attention to the ways local communities deal with problems and the solutions they test.



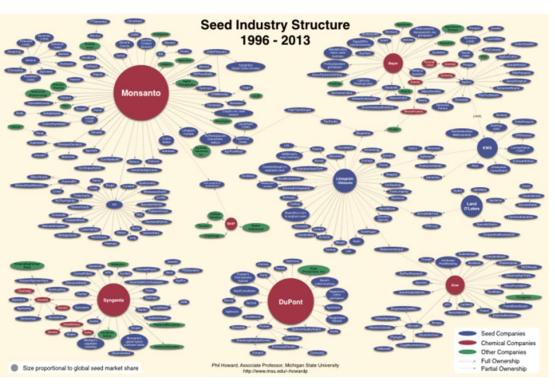
Feedback

Along the way, we ask experts of various scientific backgrounds to give feedback on the process, the data and our hypotheses.



Final publication

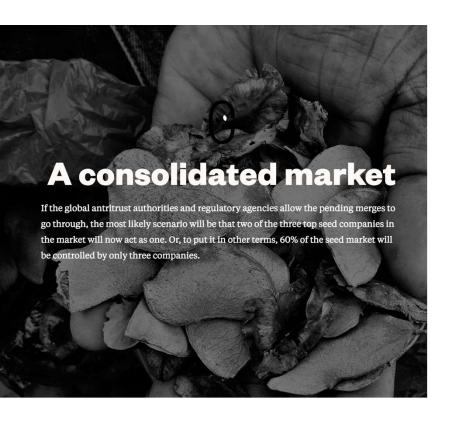
In syndication with other media, we publish our final report in an innovative format, experimenting with data, visualization and multimedia.



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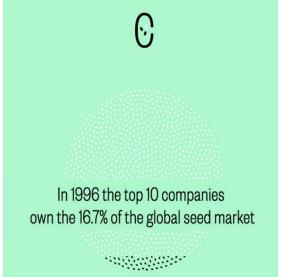
Firm	Acquired/Merged/Formed	Year =	% Equity =	Country (col. B)
KWS	Lochow-Petkus	1967	81	Germany
Limagrain	Vilmorin	1975	51	France
Hoechst	Nunza	1986		Netherlands
Calgene	Stoneville Pedigreed Seed	1987		USA
Mitsubishi Chemical Corporation	Dia-Engei	1989		Japan
KWS	Great Lakes Hybrids, Inc.	1993	80	Canada
Hoechst	AgrEvo	1993		Germany
Schering AG	AgrEvo	1993		Germany
Seminis	Genecorp	1994		India
Seminis	Asgrow Seed Company	1994		USA
Seminis	, togical desiration	1994		
Dow	Verneuil Holding	1995	35	France
HybriTech Seed International, Inc.	Jacob Hartz Seed Co., Inc	1995		Germany
Nunza	Nunhems	1995		Germany
AgrEvo	Trainionio	1995		Germany
Unilever	Plant Breeding International Cambridge, Ltd.	1995		United Kingdom
Cargill	Cargill Hybrid Seeds North America	1995		USA
Cargill	Cargill's International Seed Division	1995		USA
Monsanto	DeKalb Genetics Corporation	1995		USA
Novartis	Northrup King	1995		USA
Seminis	Petoseed	1995		USA
Monsanto	HybriTech Seed International, Inc.	1995		USA
Seminis	Royal Sluis	1995		000
Mycogen	Santa Ursula/Morgan Seeds	1996		Argentina
AgrEvo	Plant Genetic Systems	1996		Belgium
FT Sementes	Monsoy	1996		Brazil
Monsanto	Monsoy	1996		Brazil
Monsanto	Terrazawa	1996		Brazil
HybriTech Seed International, Inc.	HybriTech Europe SA	1996		France
Pau Euralis	HybriTech Europe SA HybriTech Europe SA	1996		France
AgrEvo	PlanTec Biotechnologie	1996		Germany
RoyalVanderHave	Advanta BV	1996		Netherlands
Zeneca	Advanta BV Advanta BV	1996		Netherlands
Novartis	Ciba-Geigy	1996		Switzerland
Lochow-Petkus	CPB Twyford	1996		UK
HybriTech Seed International, Inc.	AgriPro Seed Wheat Division	1996		USA
Monsanto	Agrievi Seed Wheat Division Asgrow Seed Company	1996		USA
Monsanto	Calgene, Inc.	1996		USA
Monsanto	Calgene, Inc.	1996		USA
Advanta BV	Garst Seed Co.	1996		USA
		1996		USA
Landec Corp. Advanta BV	Heartland Hybrids	1996		USA
Monsanto	Interstate Payco Agracetus, Inc.	1996		USA
Novartis	Agracetus, inc.	1996		Switzerland
				USA
Pioneer	Sunseeds	1996		USA
Mycogen	United Agriseeds			Australia
Cotton Seed Intl.	AgrEvo Cotton Seeds Intl.	1997		
AgrEvo	AgrEvo Cotton Seeds Intl.	1997		Australia
Monsanto	Sementes Agroceres	1997	100	Brazil

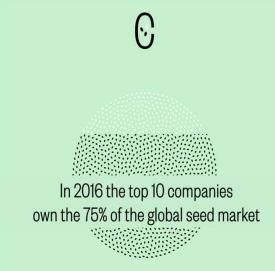


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Foresight Deep into the future planet

W/ CMCC





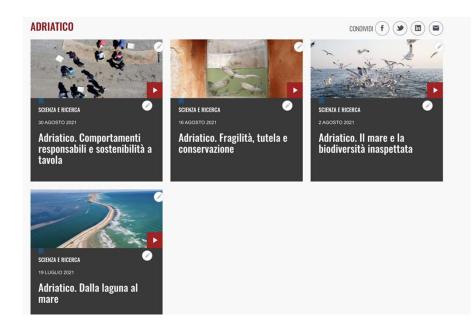


L'Adriatico

Le acque del Mar Adriatico, la flora, la fauna, le problematiche: un viaggio a puntate con l'aiuto dei ricercatori e delle ricercatrici di Biologia marina dell'Università di Padova

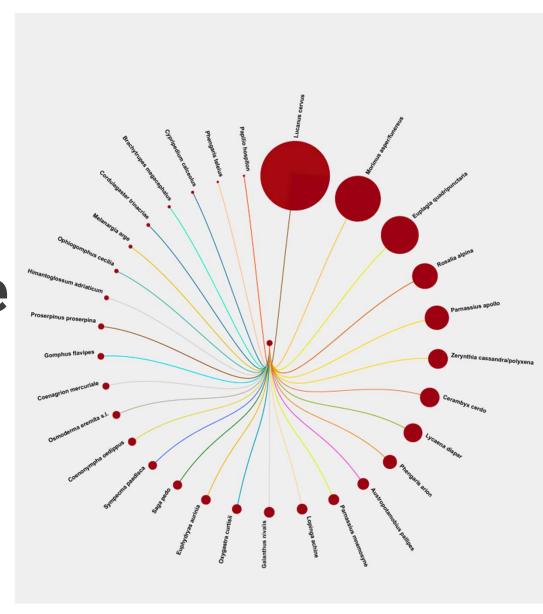
Adriatico A journey into the problems of the sea II Bo Live





Citizen science and journalism

InNat and II Bo Live





Wetlands

FACTA's method to explore Nature-Based solutions as a way to fight the climate and biodiversity crisis.





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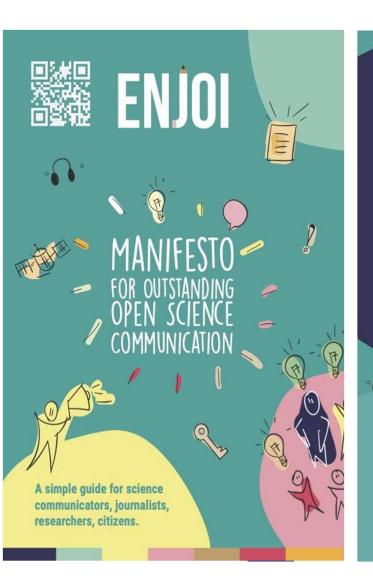




ENJOI THE ROAD:

Improving science commuication and journalism in a systematic way





DEEPENING THE ROOTS

The future growth of science communication depends on the strength of its roots, especially in contexts where they are challenged by the fragility of the media ecosystem. Independence, honesty, integrity, transparency, rigour, and the use of independent and diverse sources are basic principles of highquality communication that remain essential and non-negotiable.

On top of that, good science communication needs to convey the full complexity of science. This implies focusing not only on scientific results, but also on the process behind them, and unravelling the connection of science with society. Ultimately, science communication should respond to the increasingly important in the craft. rights and needs of citizens, and not to other interests. Citizenship is fragmented into a variety of niches.

It is crucial to understand these niches and tailor communication through a variety of strategies suitable to each one of them. It is especially important to make science accessible to audiences unfamiliar with it and to disadvantaged groups.

Citizens are not mere receivers of information. Real engagement goes beyond sporadic feedback. It requires building a true collaborative framework, and ultimately, a community that takes part in a twoway dialogue.

Science communication is relevant if it generates an impact, which can range from awareness to action. Tools to gauge and improve this impact are

aspects, and not only technological

ones. Engagement is becoming ever deeper. Rather than being a single step, it plays a role in the whole life step, it plays a role in the whole life cycle of information. This is already affecting the information agenda and the way communication is designed. Engagement provides the opportunity of meaningful two-way dialogue, but should avoid the risk of bending science communication to populism science communication to populism.
Rampant polarisation is affecting science communication. Partisanship and false balance are two risks of this the opportunity to shape its messages in such a way as to bridge the gaps between opposing factions. But this should not result in self-censorship to avoid backlashes.

social, philosophical, ethical, and legal Inclusion is cutting through all aspects of science communication. In sharp contrast with the past homogeneity, diversity is set to become a guiding principle, not just in formal and linguistic terms, but at deeper levels, from the choice of sources to the ways contents are distributed.
The urgency of health and environmental crises is pushing science communication to focus on solutions. Beyond portraying facts, science communication is likely to explore more often the possible courses of action.

> The spirit of open science is impregnating science communication too, not only with special attention to open access sources, but also with a broader commitment towards making science communication itself open.

BEARING NEW FRUITS

ENJOI envisions a set of trends that are likely to shape the future of science communication. These trends open up new spaces and require a critical stand, because they pose both challenges and opportunities.
Science communication

happens increasingly in digital platforms, especially in social media. The enormous opportunities of this digital agora are balanced by the challenges posed by algorithms, artificial intelligence, virality, and metrics. Responsible innovation takes into account



The ideas outlined in this manifesto are expanded into ENJOI's SPIs and reports and represent the foundations of the future ENJOI Observatory.

These tools are aimed at applying the concepts of the manifesto in the teaching, research, and practice of science communication.

an open-ended, living document that will be tested with our advisory board, experts and engaged communities.

We hope this text will provide a solid and fertile ground for the growth of the scien communication of the future.

