Science Journalism **Between Education and Entertainment**

Christoph Drösser

Friday, February 21, 2014





WOCHENZEITUNG FÜR POLITIK WIRTSCHAFT WISSEN UND KULTUR

Uni für alle!

Ausgerechnet von einigen Elitehochschulen geht eine Bildungsrevolution aus: Professoren stellen ihre besten Vorlesungen ins Netz – die ganze Welt kann kostenlos studieren



Schröders große Reform hat die Bürger aufgerüttelt – seine schwere Niederlage hat alle Parteien entmutigt VON MARC BROST

Vergiss die Folklore Wer für Berlusconi und Grillo nur Hohn und Spott übrig hat, der verharmlost die Lage im Land von GOMMME DI LOMENZO

.......



Die Zeit Weekly paper, circulation 500,000 Science section: 8 editors/reporters

ITALIEN

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Neues aus dem Bücherfrühling Mit Taive Selasi, die Afrika nach Europa holt



Die Liebe zum Vulgären

Books Mathematics, Physics, Music, Babies, Urban Legends ...

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Books

Mathematics, Physics, Music, Babies, Urban Legends ...

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CHRISTOPH DRÖSSER

Wie groß ist unendlich?

Knobelgeschichten und Denkspiele aus dem Zahlenuniversum

> Das große Buch der modernen

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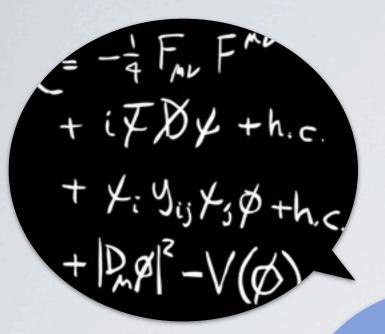
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Legenden

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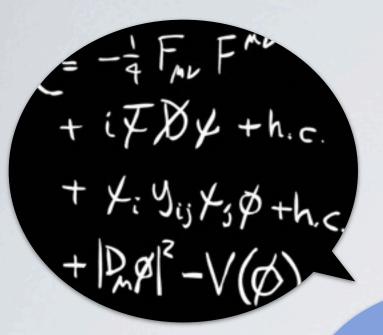
Science

1. The Cheerleader Era

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Science

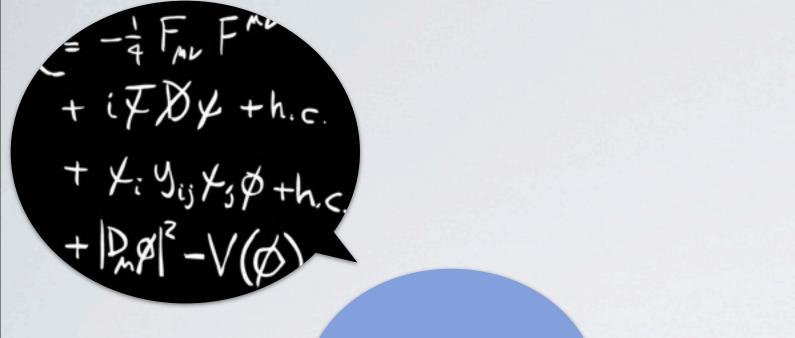
1. The Cheerleader Era

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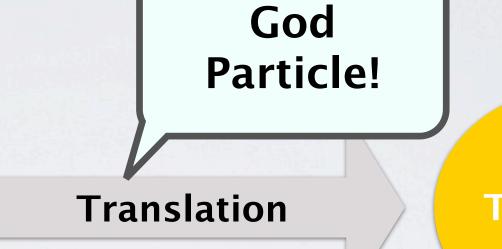
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The Public





Science



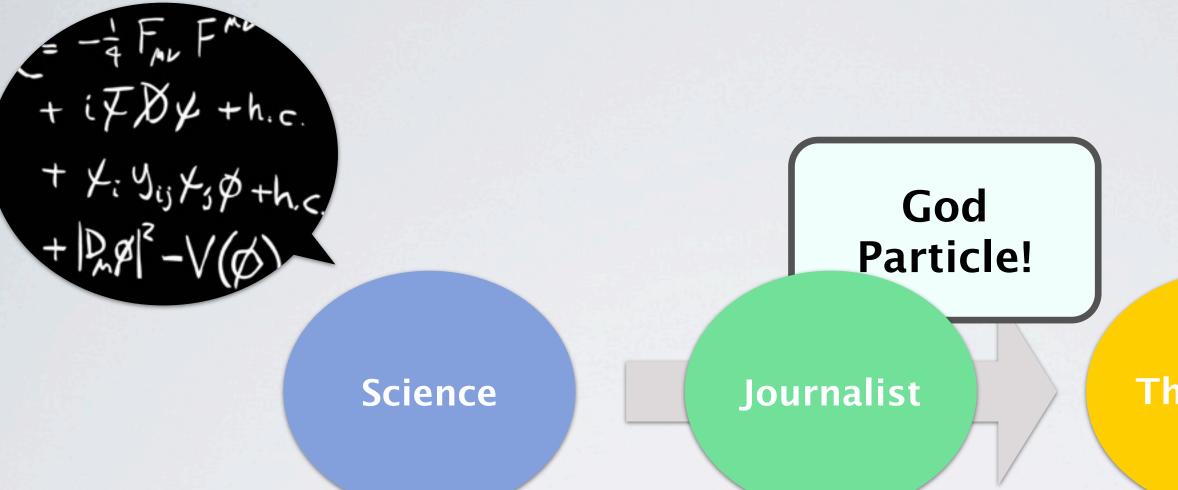
1. The Cheerleader Era

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The Public





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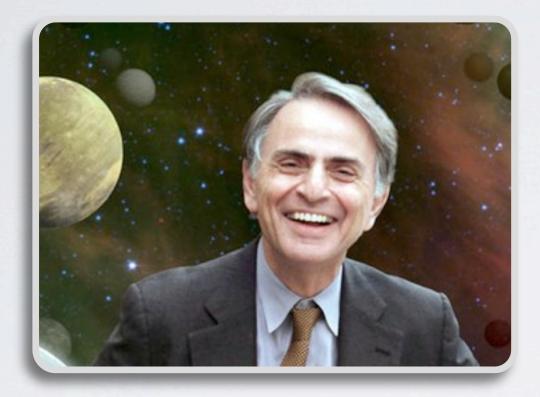
The Public



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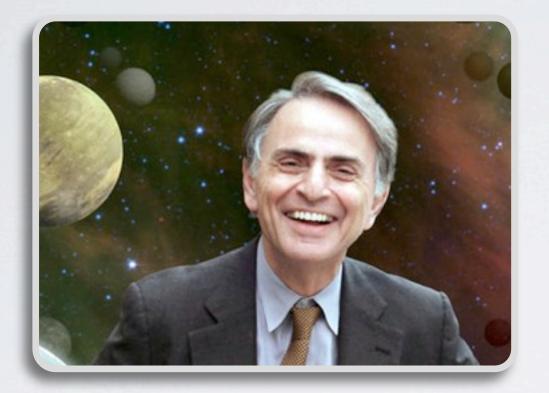




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2. The Watchdog Era

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The Public



2. The Watchdog Era

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The Public

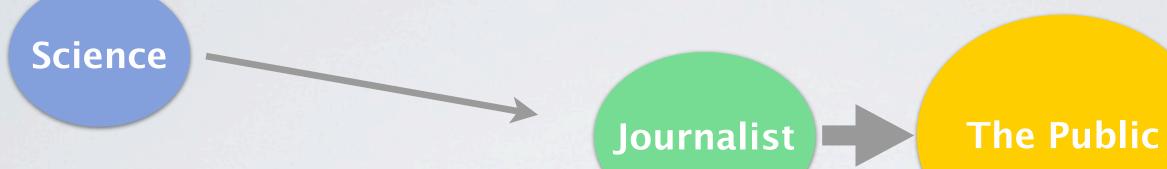
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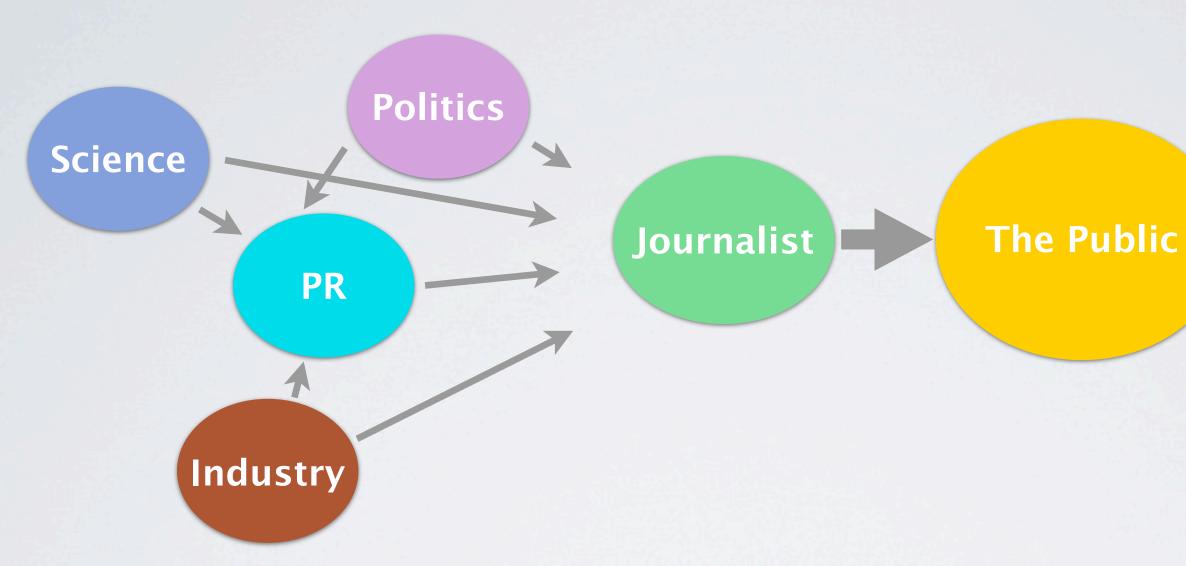
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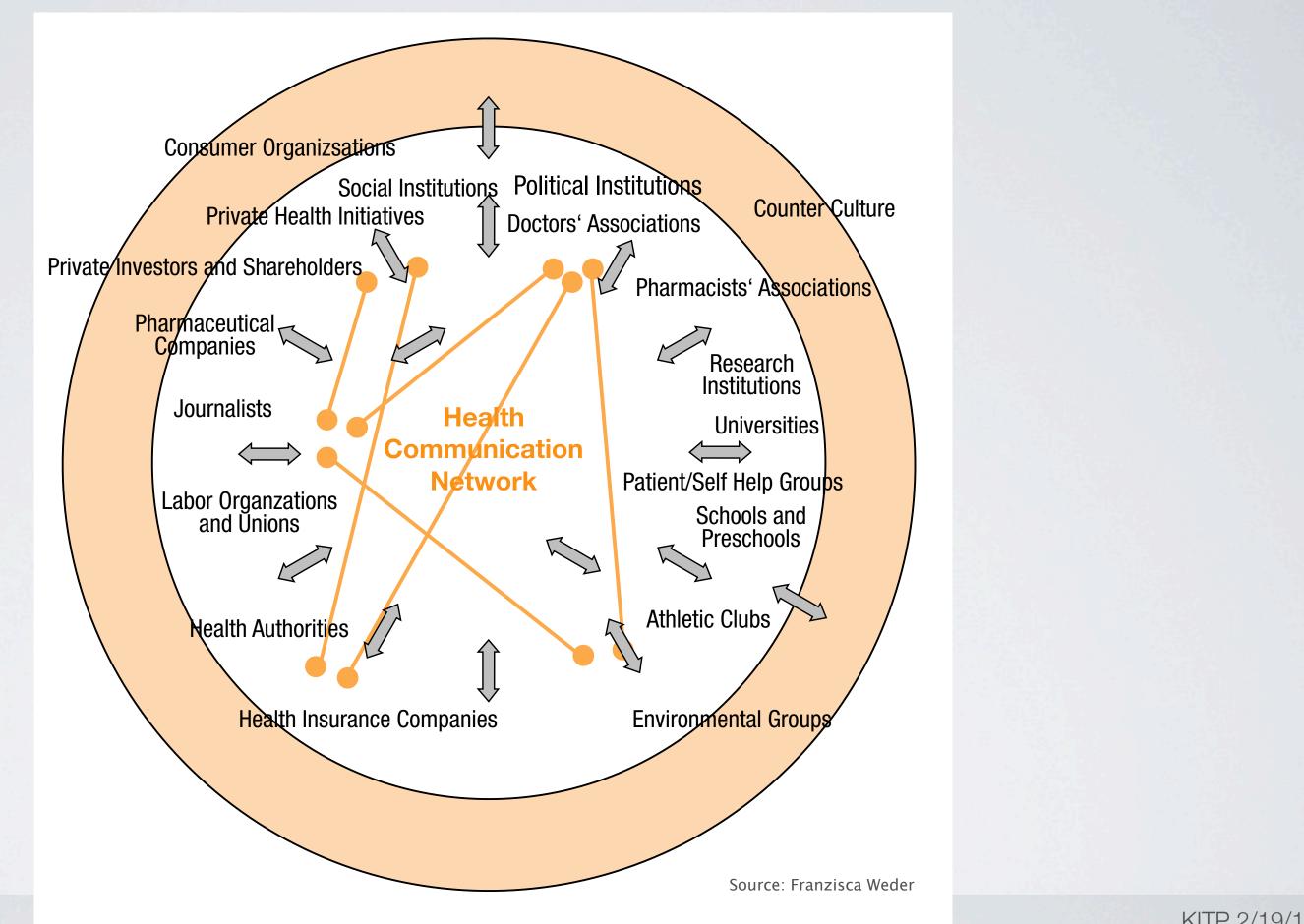
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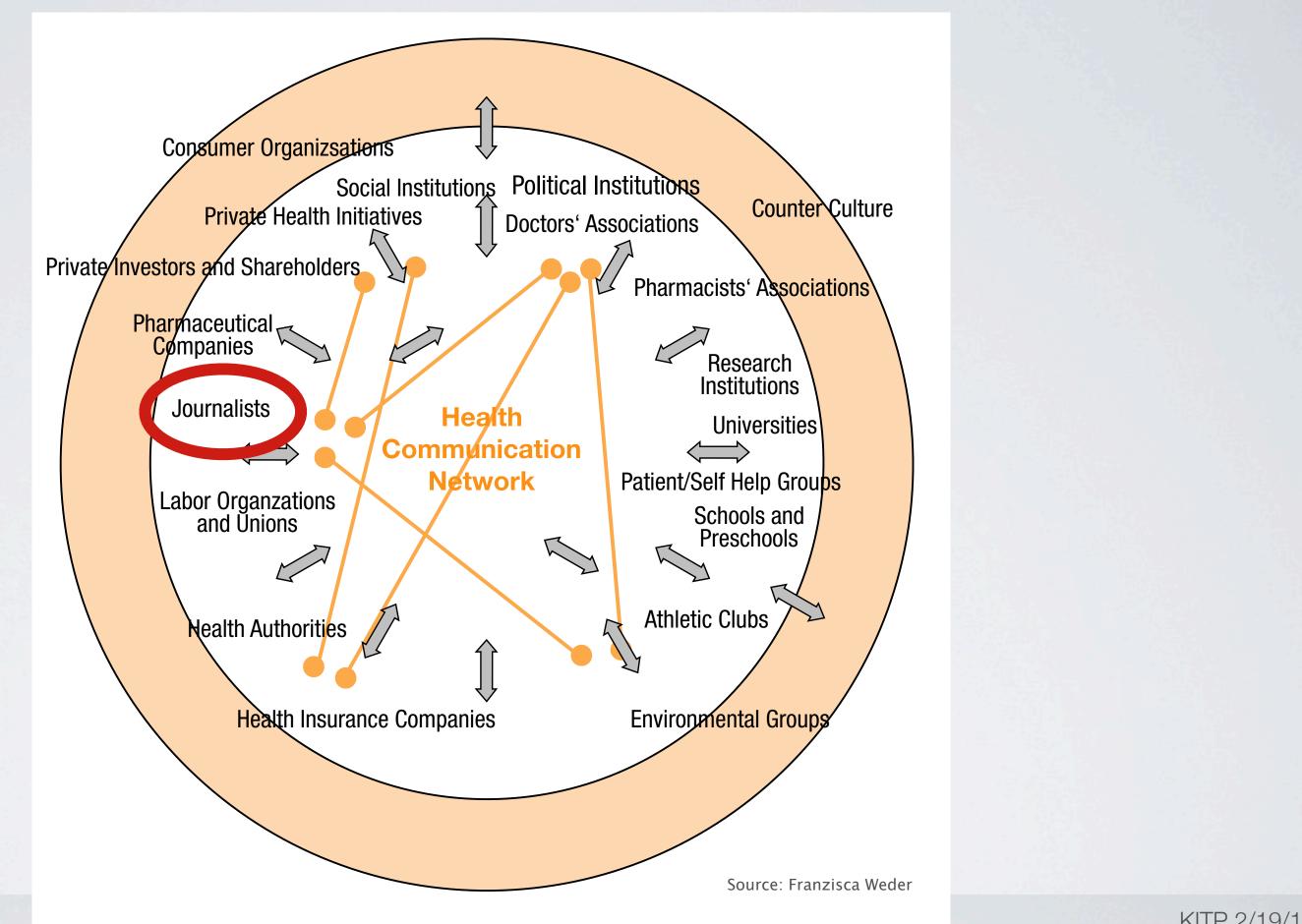


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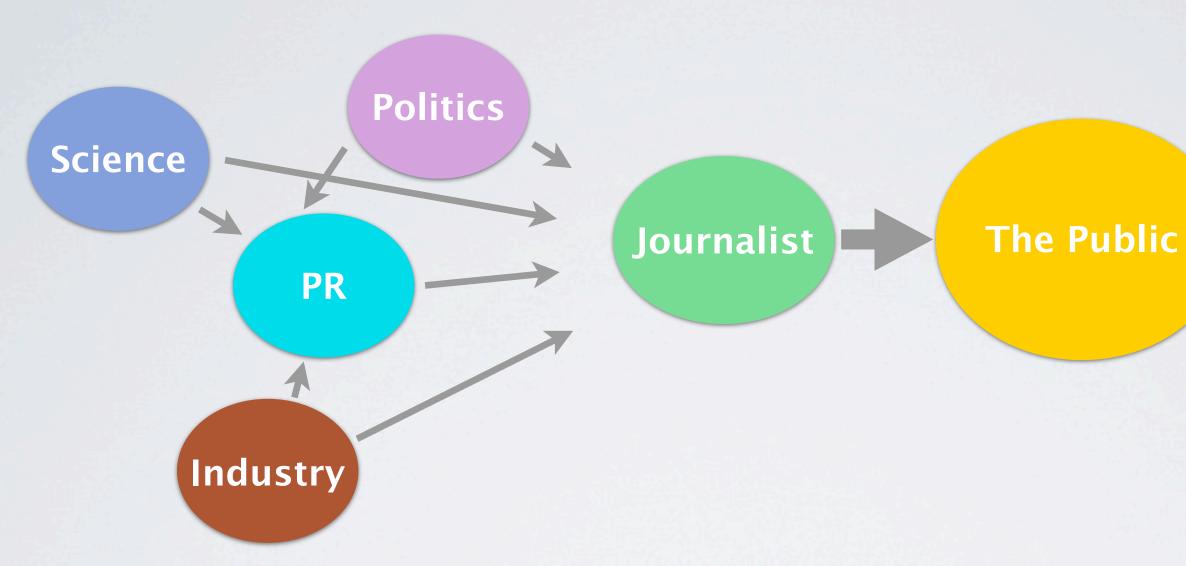
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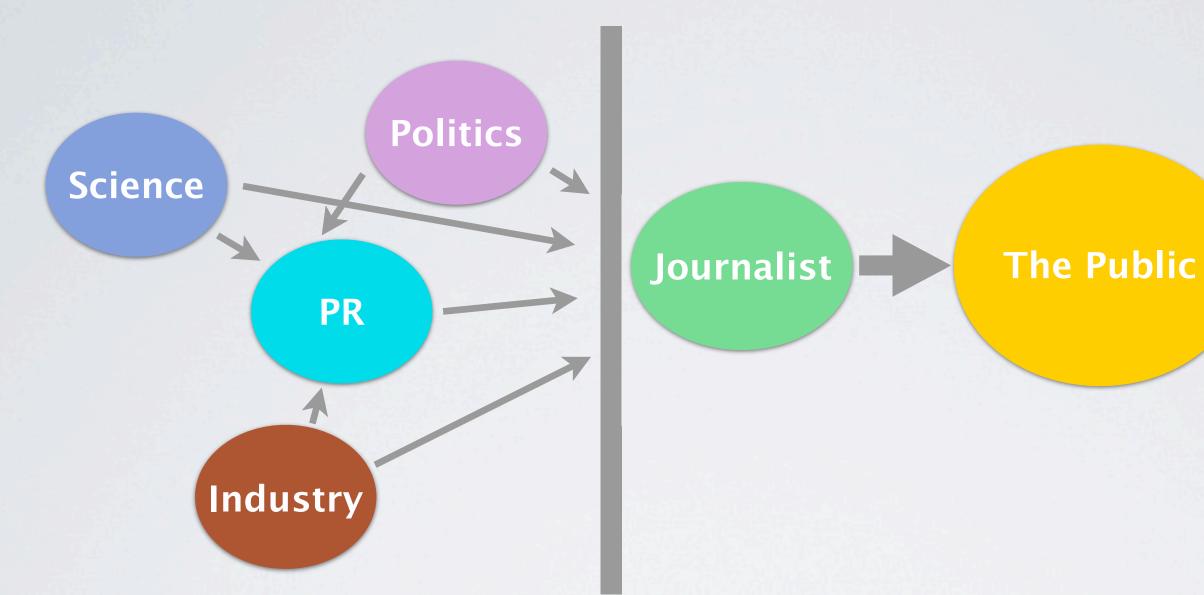
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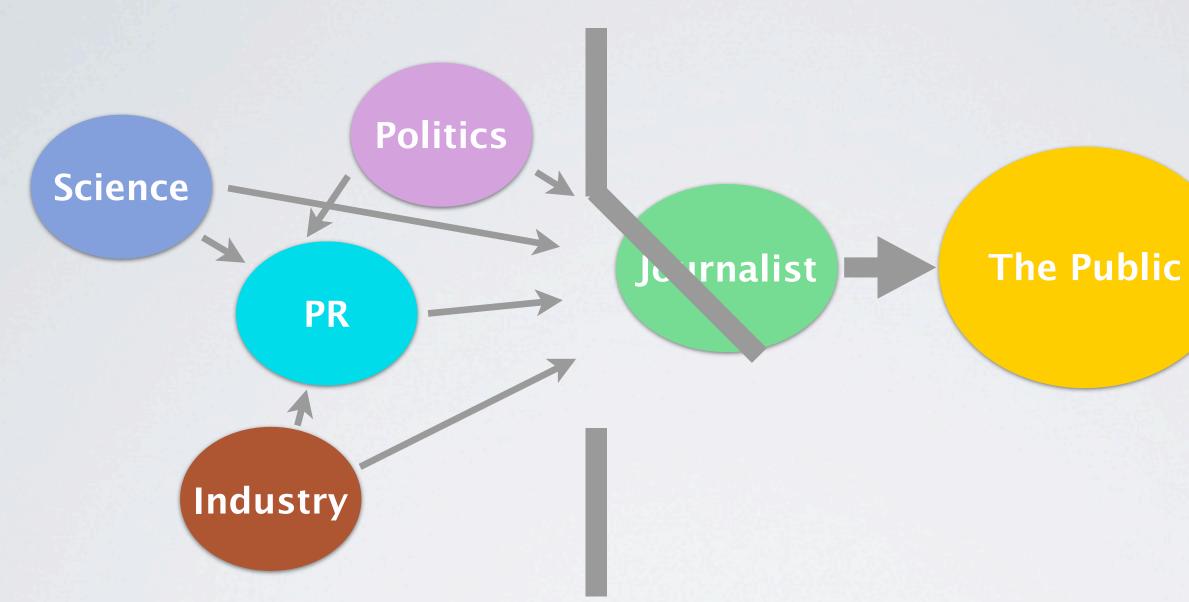




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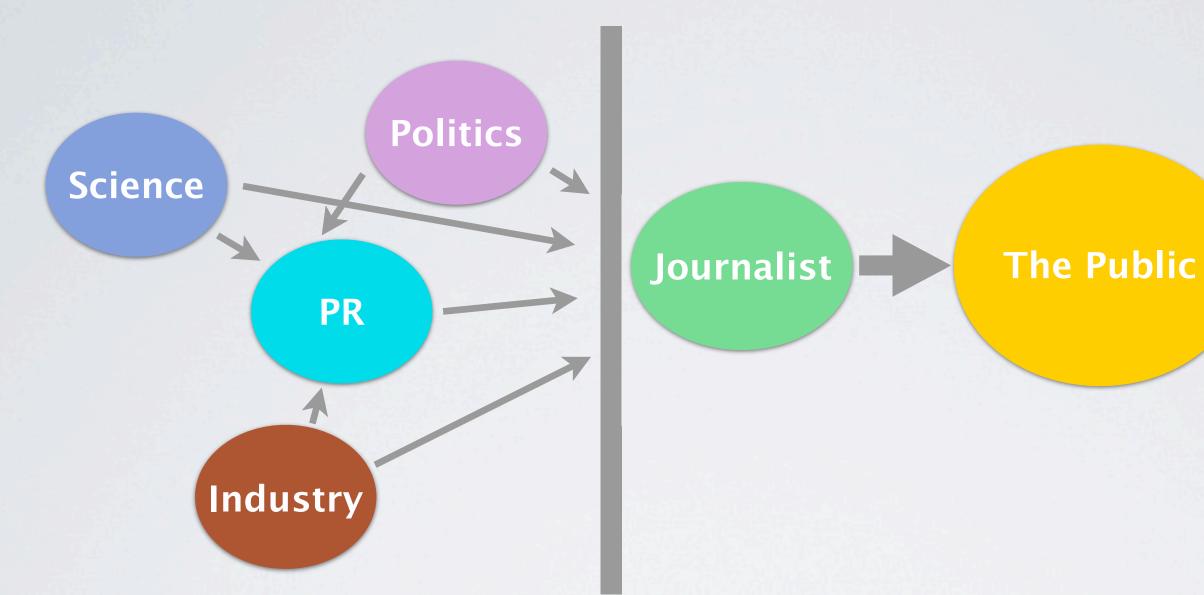




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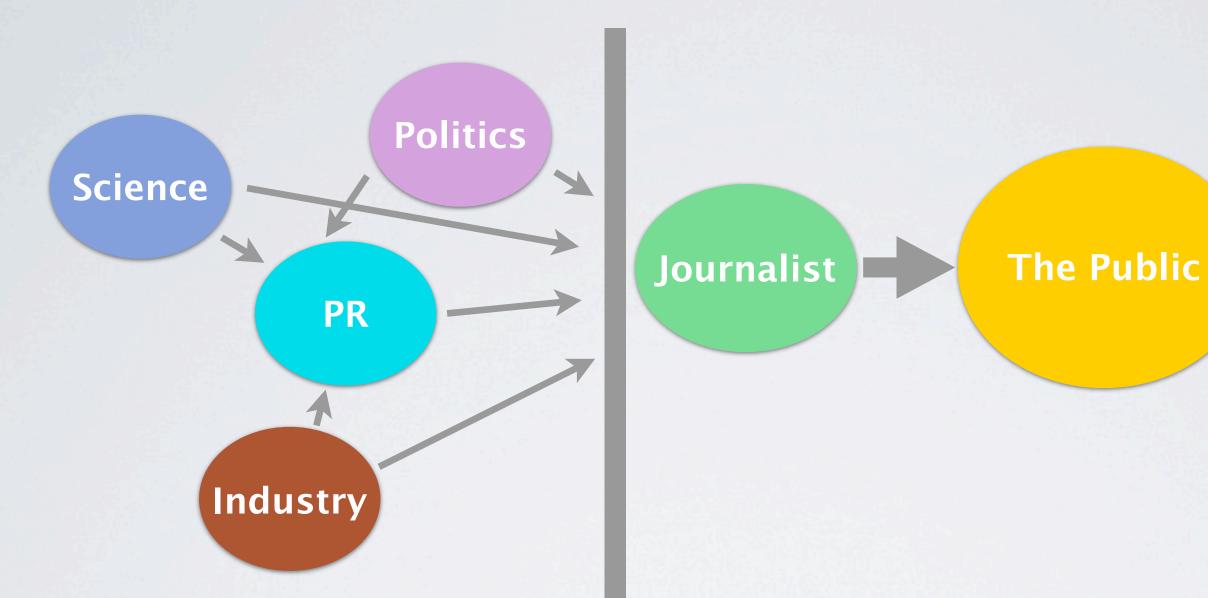




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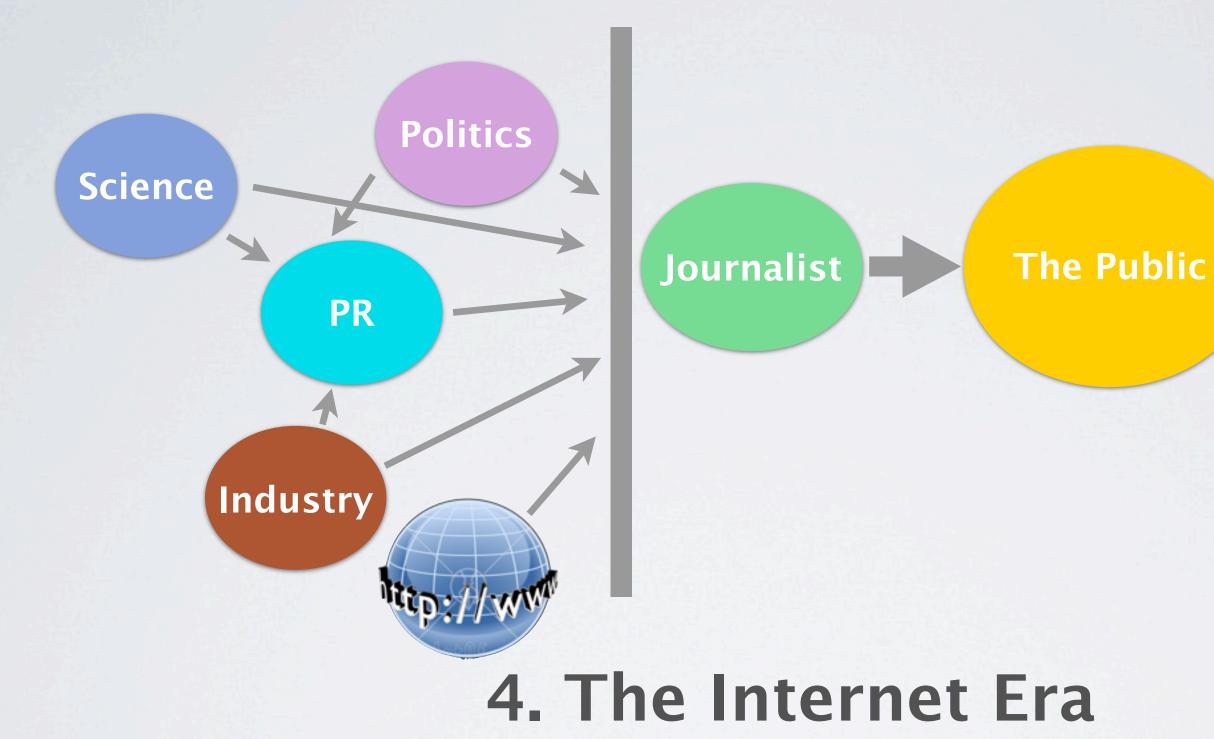


4. The Internet Era

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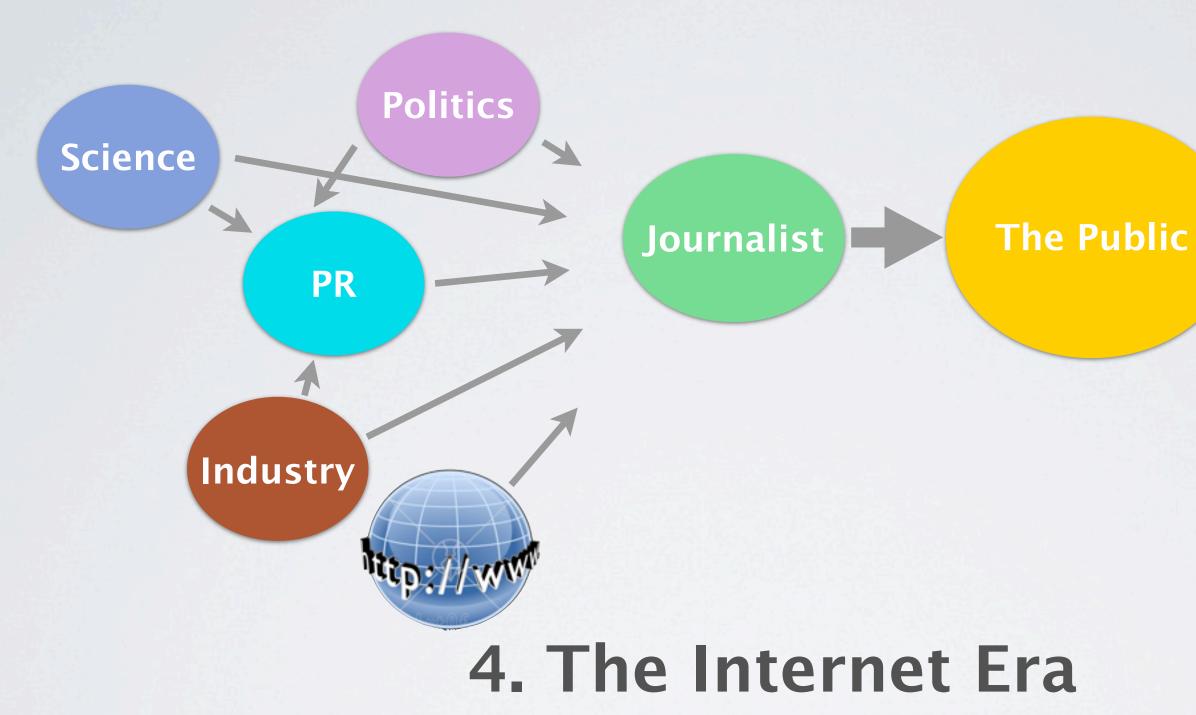
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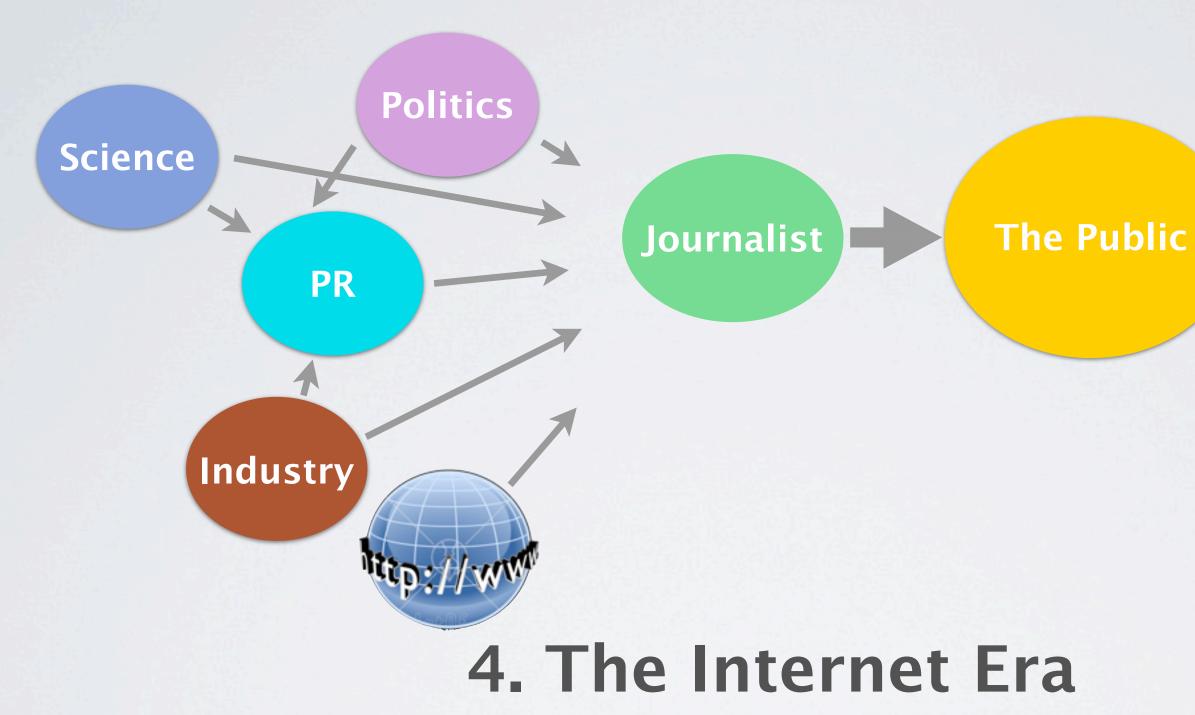
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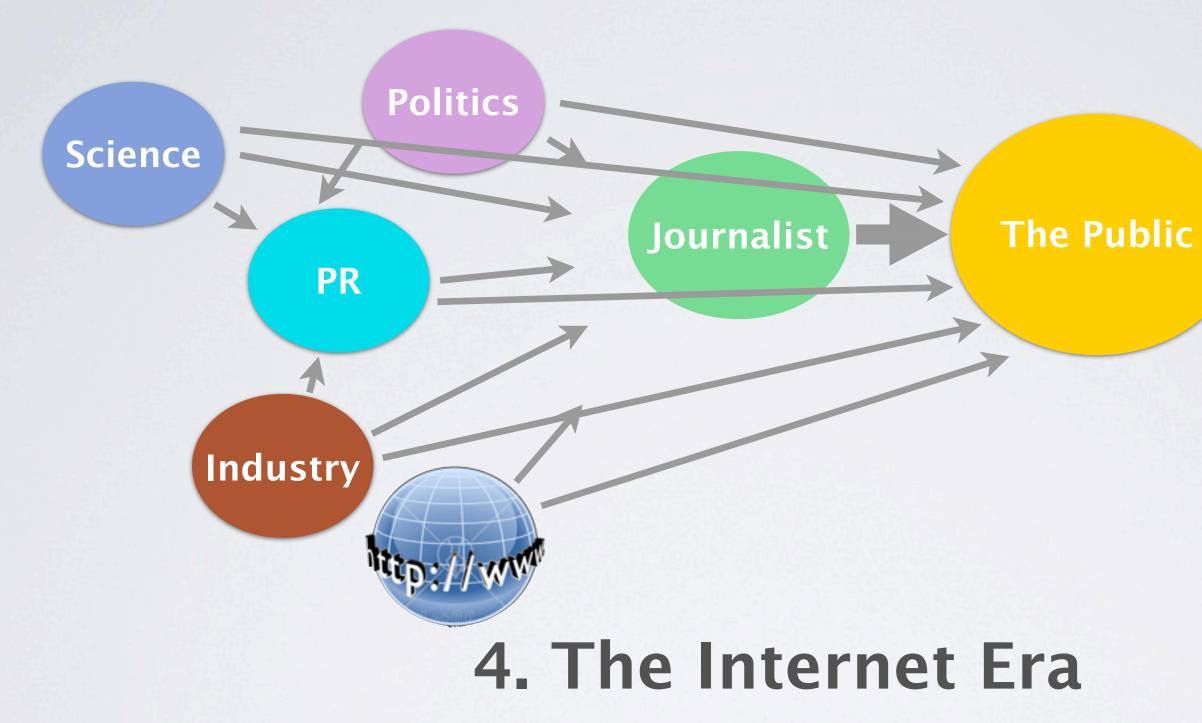
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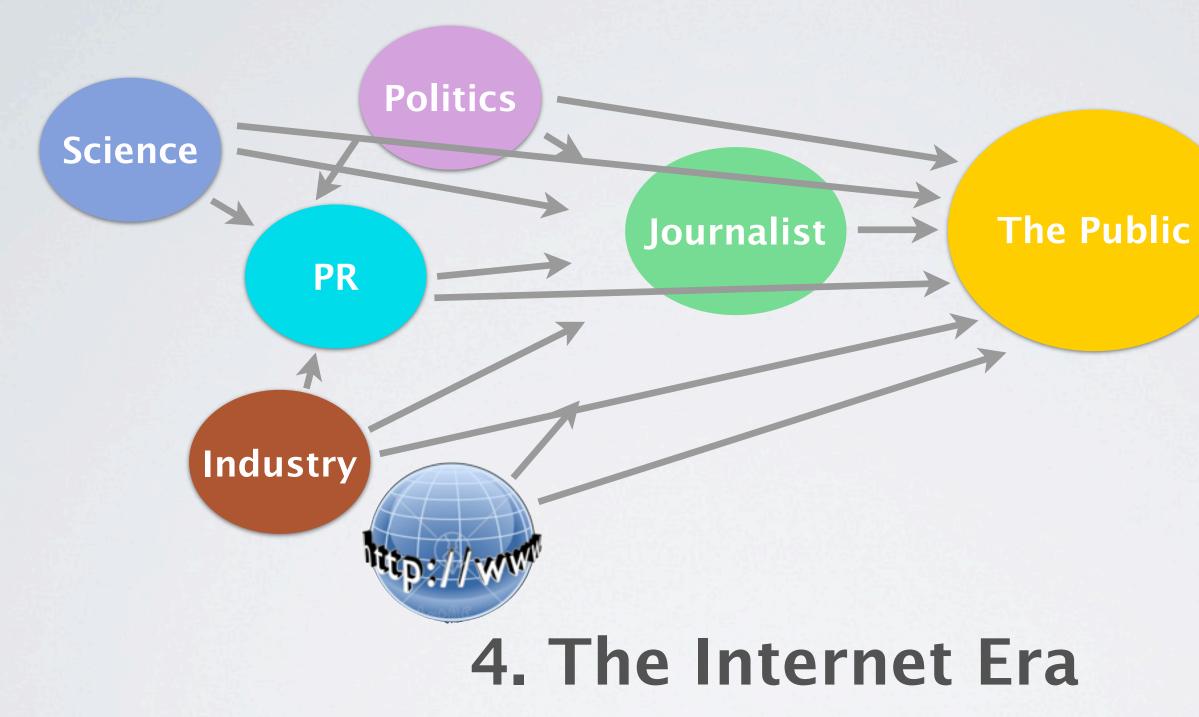
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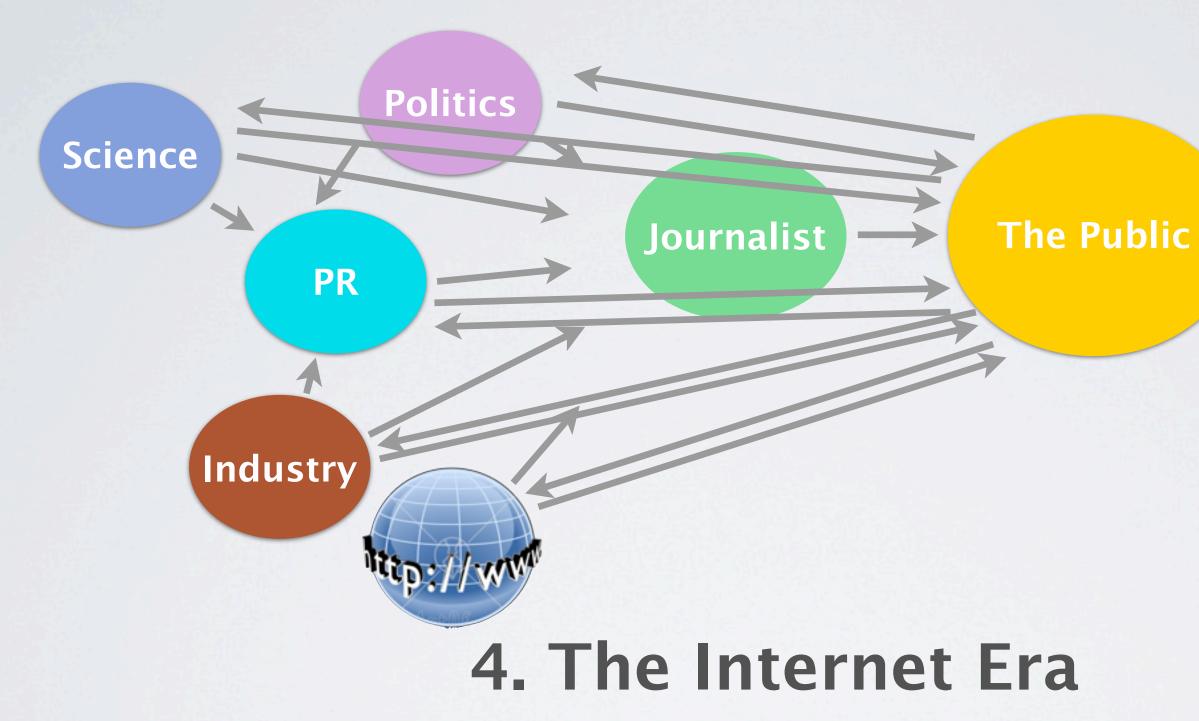
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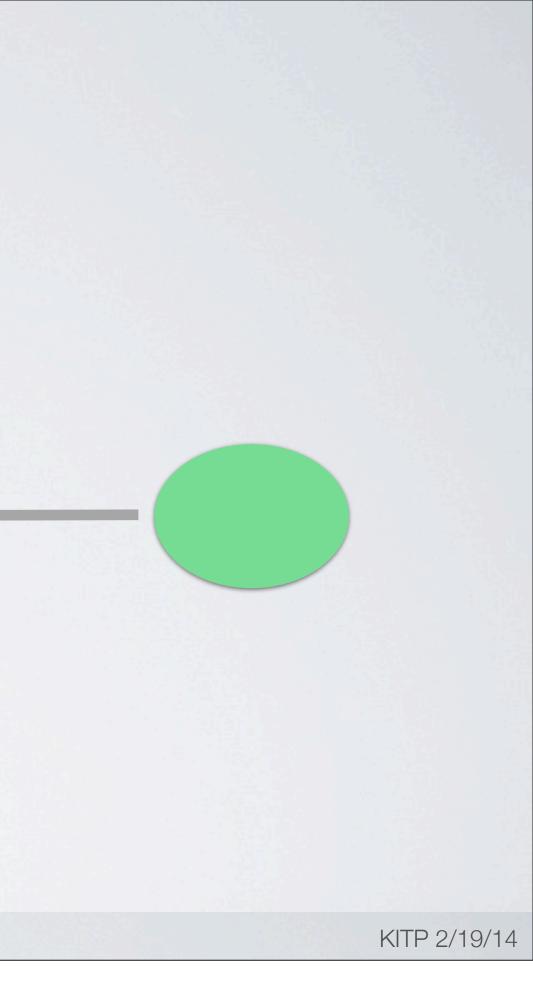


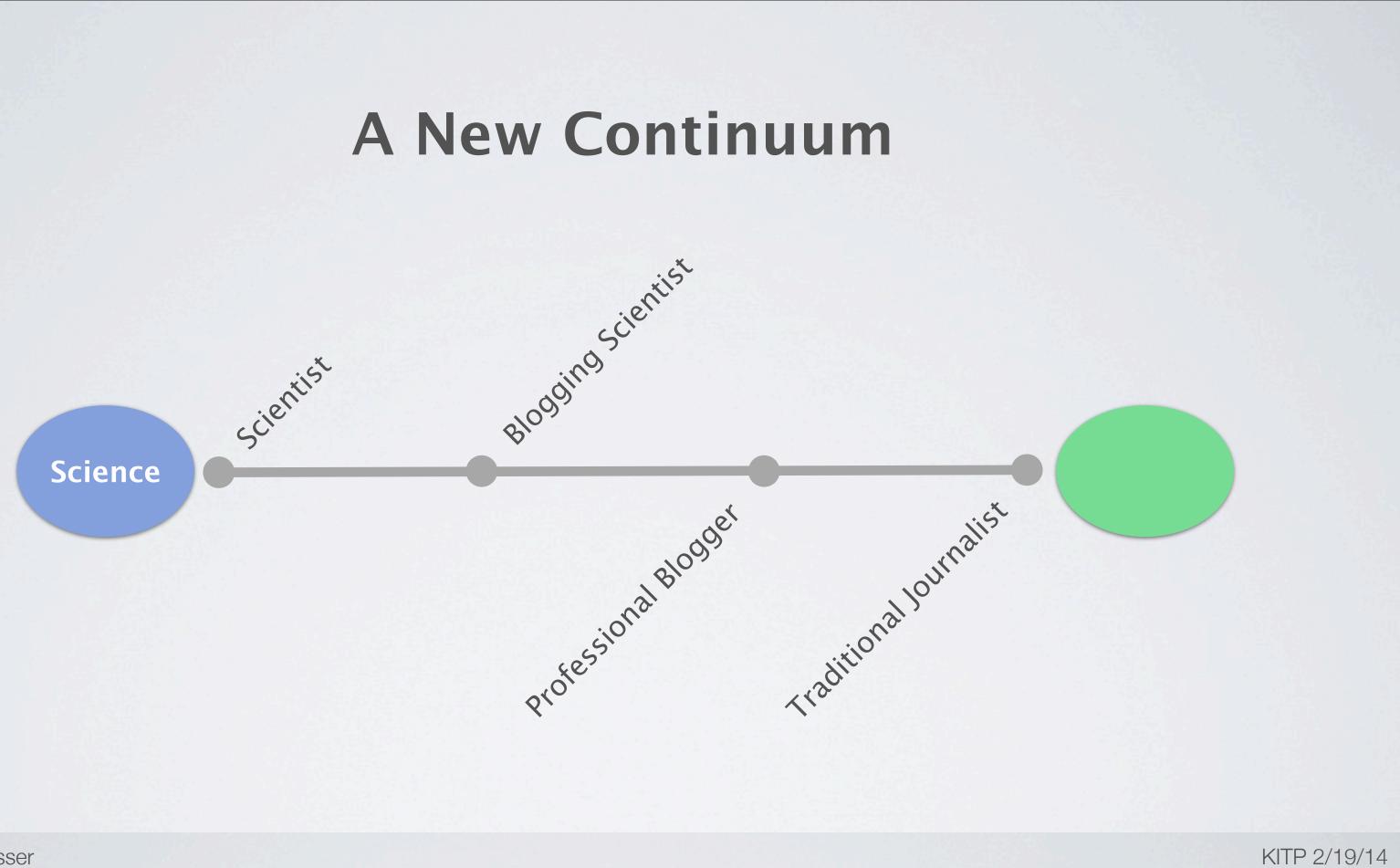
A New Continuum



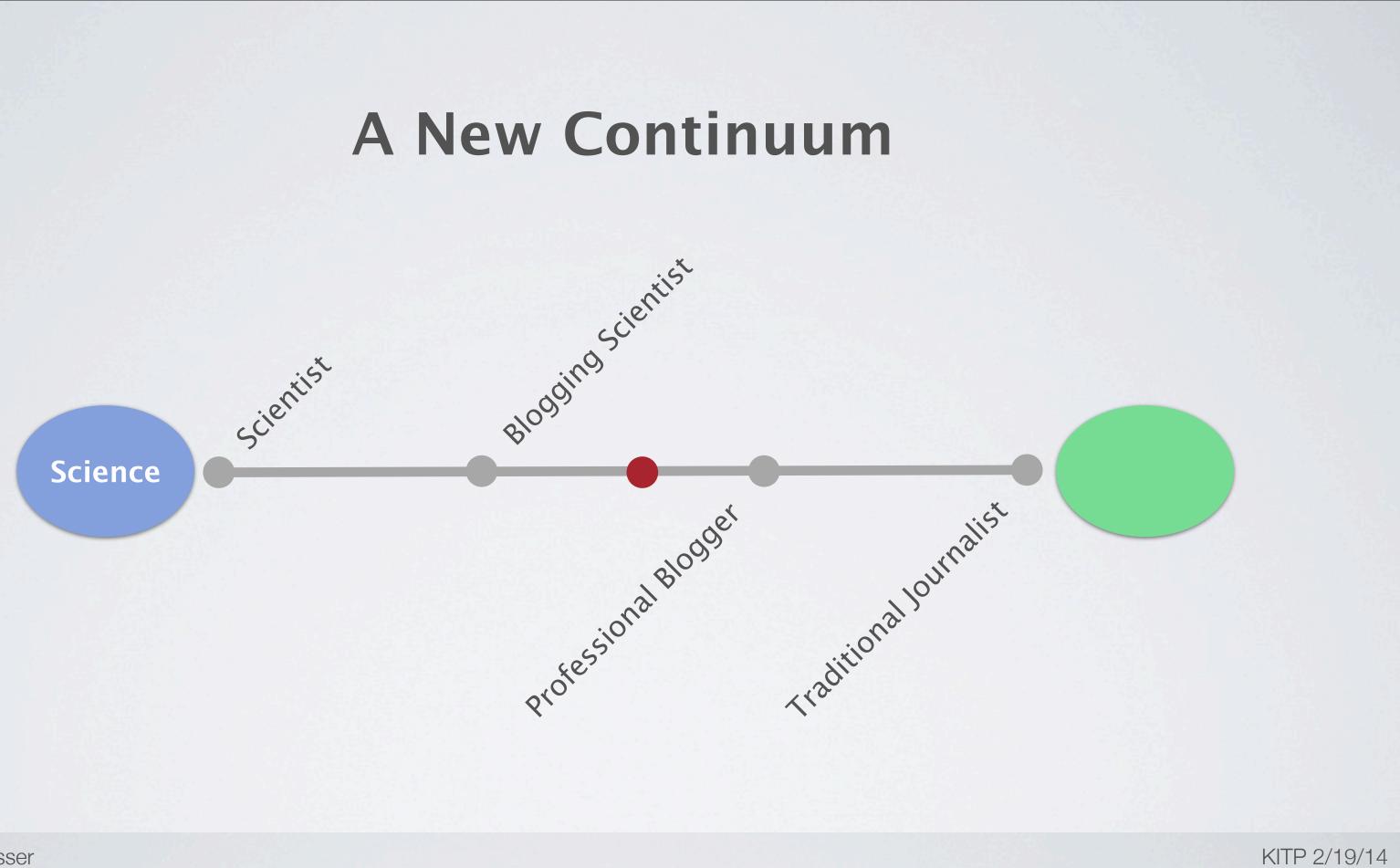
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Dedicated Weekly Science Sections in U.S. Newspapers

Source: Columbia Journalism Review

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Dedicated Weekly Science Sections in U.S. Newspapers

Source: Columbia Journalism Review

1989

2005

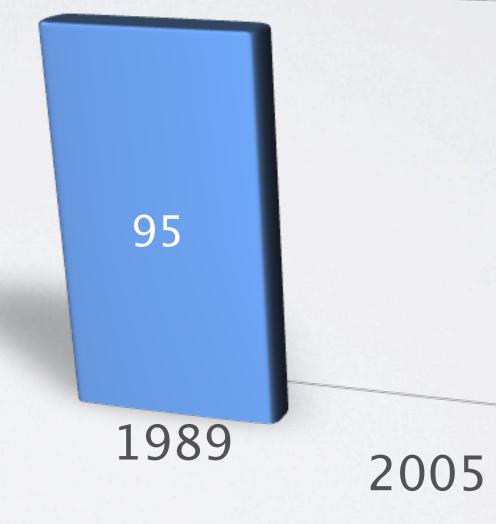
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KITP 2/19/14

2012

Dedicated Weekly Science Sections in U.S. Newspapers Source: Columbia Journalism Review



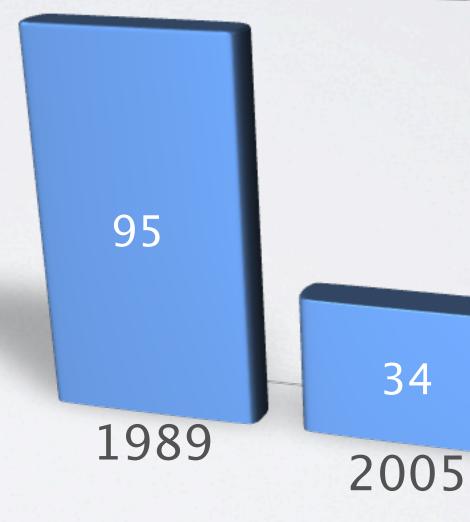
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KITP 2/19/14

2012

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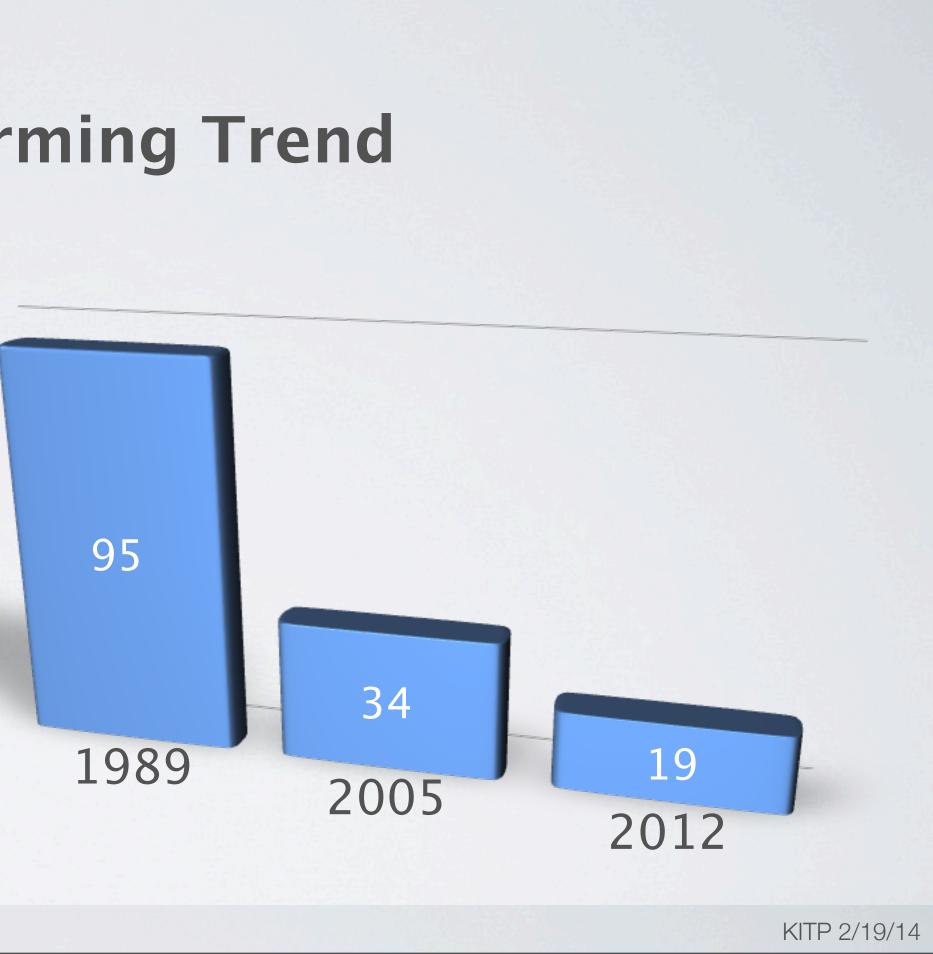
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KITP 2/19/14

2012

Dedicated Weekly Science Sections in U.S. Newspapers Source: Columbia Journalism Review



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Don't bring the news, but explain the news

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- Don't bring the news, but explain the news
- Surprise the reader

Christoph Drösser



- Don't bring the news, but explain the news
- Surprise the reader
- Give the reader orientation

Christoph Drösser



- Don't bring the news, but explain the news
- Surprise the reader
- Give the reader orientation
- Tell stories

Christoph Drösser



- Don't bring the news, but explain the news
- Surprise the reader
- Give the reader orientation
- Tell stories
- Act in the reader's interest

Christoph Drösser



- Don't bring the news, but explain the news
- Surprise the reader
- Give the reader orientation
- Tell stories
- Act in the reader's interest
- Be an expert, but keep the distance

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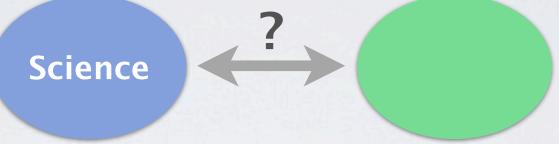
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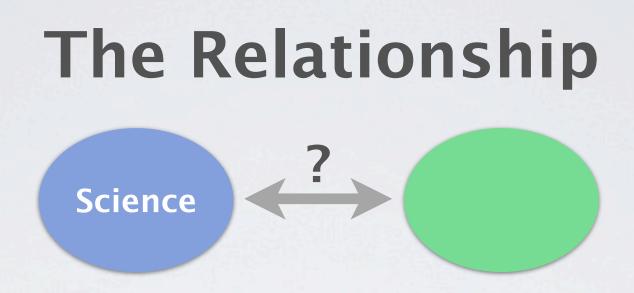
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• The journalist is not the scientist's interpreter!

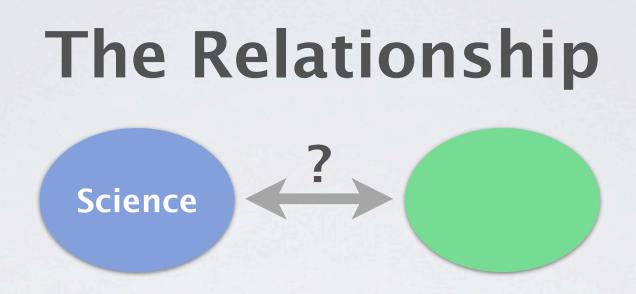
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- The journalist is not the scientist's interpreter!
- A vast part of science is too complicated to be explained in general-interest media.

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- The journalist is not the scientist's interpreter!
- A vast part of science is too complicated to be explained in general-interest media.
- Scientists have to be able to speak for themselves and address the public in plain language.

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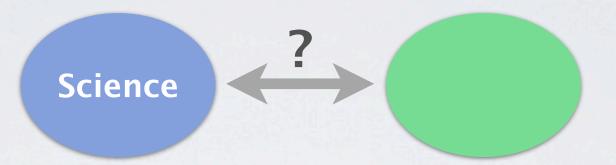
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• Journalism isn't knowledge transfer! (At least not primarily.)

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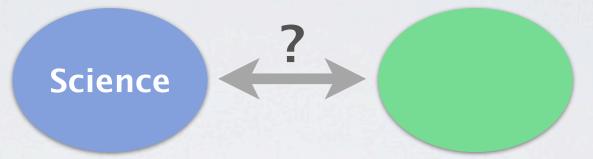
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- Journalism isn't knowledge transfer! (At least not primarily.)
- Media are not educational institutions.

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- Journalism isn't knowledge transfer! (At least not primarily.)
- Media are not educational institutions.
- The job of science journalists is not just to present their audience with the wonders of scientific progress.

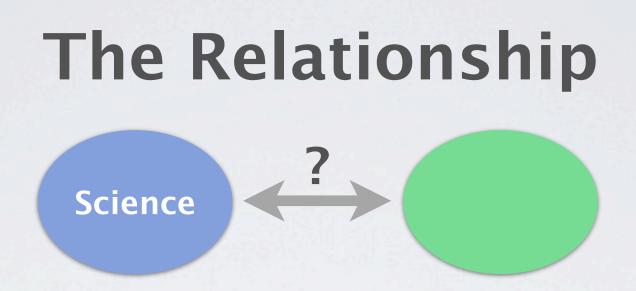
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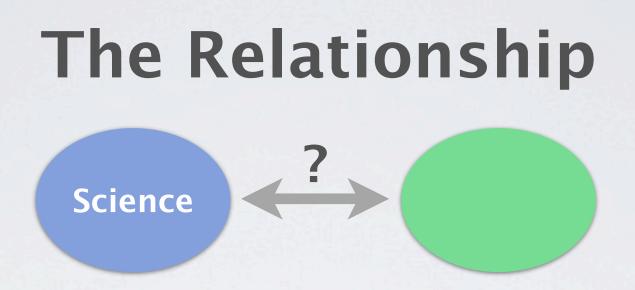
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• The scientist doesn't define the topics, the journalist does.

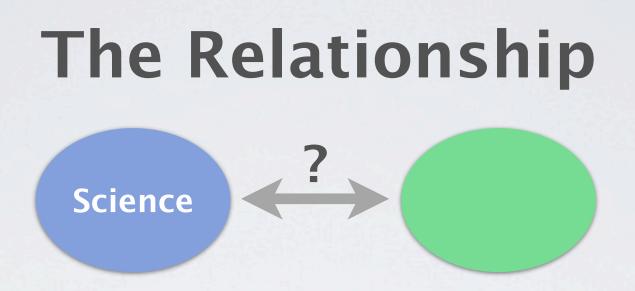
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- The scientist doesn't define the topics, the journalist does.
- A big part of scientific knowledge is not relevant to everyday life.

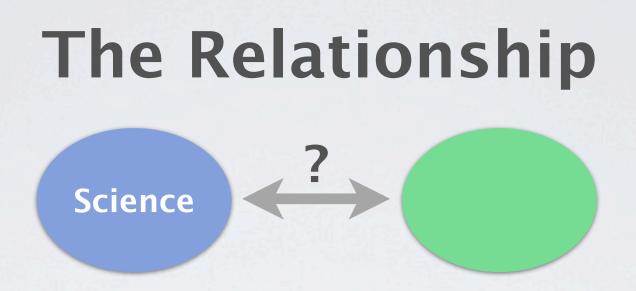
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- The scientist doesn't define the topics, the journalist does.
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- The exceptions to this rule are the subject of reporting.

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o everyday life.



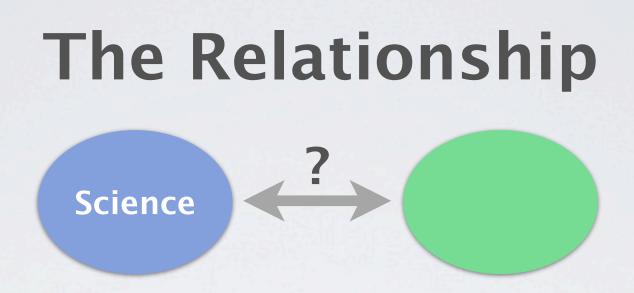
- The scientist doesn't define the topics, the journalist does.
- A big part of scientific knowledge is not relevant to everyday life.
- The exceptions to this rule are the subject of reporting.
- Journalists have scientific and non-scientific criteria for choosing their topics.

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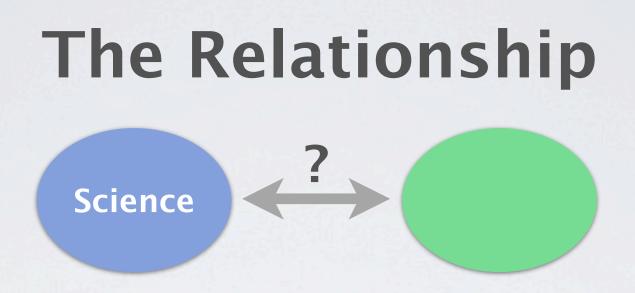
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 Science journalists are correspondents in a foreign country called Science.

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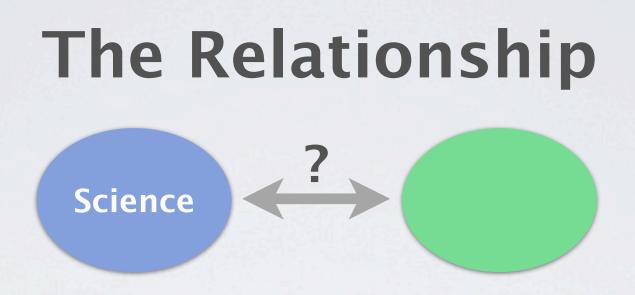


 Science journalists are correspondents in a foreign country called Science.

• They are dependent on local guides - that's you!

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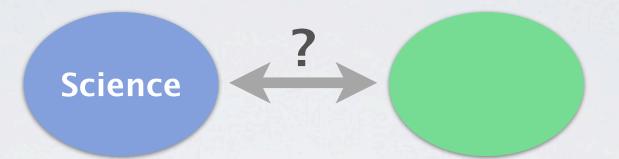
- Science journalists are correspondents in a foreign country called Science.
- They are dependent on local guides that's you!
- "Scientists are to journalists what lab rats are to scientists." (Victor Cohn, The Washington Post)

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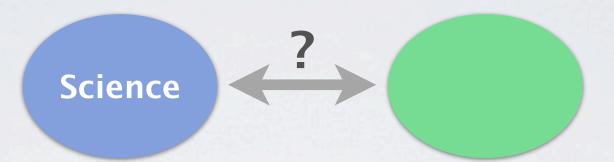
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• The danger of misunderstanding each other:

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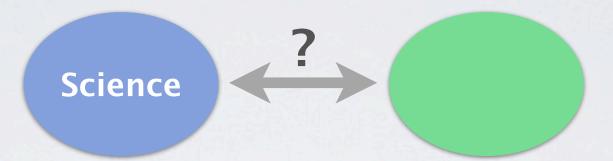
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- The danger of misunderstanding each other:
 - Different cultures

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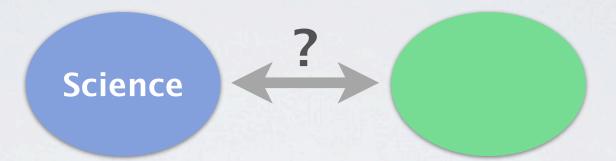
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- The danger of misunderstanding each other:
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 - Different roles

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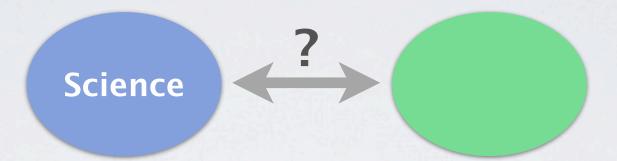
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- The danger of misunderstanding each other:
 - Different cultures
 - Different roles
 - Different languages

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- The danger of misunderstanding each other:
 - Different cultures
 - Different roles
 - Different languages
 - Different criteria for quality

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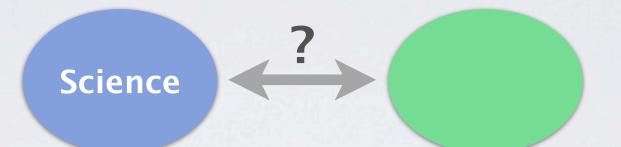
The Relationship



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The Relationship

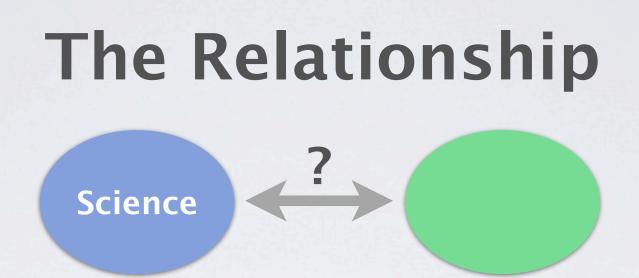


• Surprise: both sides report predominantly positive experience.

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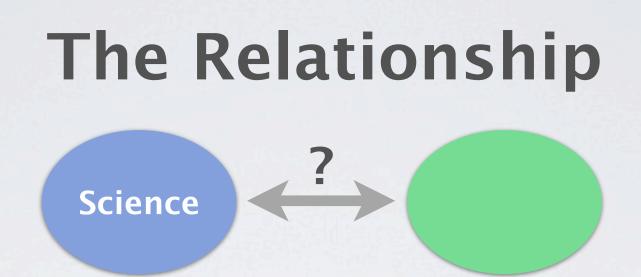




- Surprise: both sides report predominantly positive experience.
 - Survey 2002-03 about reporting on climate change in Germany: 78% of scientists, 92 % of journalists call their experience "predominantly good". (TATuP, vol 15 No. 2, p. 87–99)

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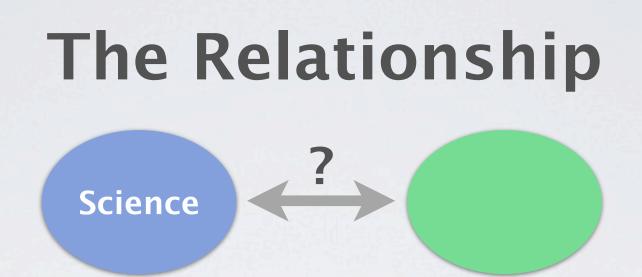
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- In professional encounters, different interests and cultures are acknowledged.

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- Surprise: both sides report predominantly positive experience.
 - Survey 2002–03 about reporting on climate change in Germany: 78% of scientists, 92 % of journalists call their experience "predominantly good". (TATuP, vol 15 No. 2, p. 87–99)
- In professional encounters, different interests and cultures are acknowledged.
- They appear to have compatible ideas about communicating with the public.

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Teacher – popularizes scientific knowledge

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Science

- Teacher popularizes scientific knowledge
- Expert provides advice and expertise in current affairs

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Science

- Teacher popularizes scientific knowledge
- Expert provides advice and expertise in current affairs
- Advocate warns about dangers, criticizes public policy

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Science

- Teacher popularizes scientific knowledge
- Expert provides advice and expertise in current affairs
- Advocate warns about dangers, criticizes public policy
- Lobbyist seeks public exposure to secure funding etc.

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 Educated layperson – doesn't know everything, but knows who to ask

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- Educated layperson doesn't know everything, but knows who to ask
- Readers' advocate picks topics according to what (she thinks) her readers are concerned about

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- Educated layperson doesn't know everything, but knows who to ask
- Readers' advocate picks topics according to what (she thinks) her readers are concerned about
- Steers the communication "I am asking the questions!"

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- Educated layperson doesn't know everything, but knows who to ask
- Readers' advocate picks topics according to what (she thinks) her readers are concerned about
- Steers the communication "I am asking the questions!"
- Scientist's partner helps the scientist be articulate

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• Report on recent developments in science

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- Report on recent developments in science
- Educate their readers

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- Report on recent developments in science
- Educate their readers
- Explore the scientific backgrounds of current events

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- Report on recent developments in science
- Educate their readers
- Explore the scientific backgrounds of current events
- Give advice and provide "news you can use"

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- Report on recent developments in science
- Educate their readers
- Explore the scientific backgrounds of current events
- Give advice and provide "news you can use"
- Write for a specialized audience

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- Report on recent developments in science
- Educate their readers
- Explore the scientific backgrounds of current events
- Give advice and provide "news you can use"
- Write for a specialized audience
- Entertain

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The fears:

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The fears:

• Will she understand what my science is about?

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Friday, February 21, 2014



The fears:

- Will she understand what my science is about?
- Will she turn my words around?

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The fears:

- Will she understand what my science is about?
- Will she turn my words around?
- Will she misrepresent or exaggerate my results?

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The fears:

- Will she understand what my science is about?
- Will she turn my words around?
- Will she misrepresent or exaggerate my results?
- Will she really explain all the details?

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So:

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So:

• Stay calm – you know more!

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So:

- Stay calm you know more!
- Who is calling?

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So:

- Stay calm you know more!
- Who is calling?
- Adjust your level of science lingo (if in doubt: -1)

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So:

 Simplify, d (Einstein)

- Stay calm you know more!
- Who is calling?
- Adjust your level of science lingo (if in doubt: -1)

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Simplify, don't oversimplyfy

So:

 Simplify, d (Einstein)

- Stay calm you know more!
- Who is calling?
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Simplify, don't oversimplyfy

So:

(Einstein)

- Stay calm you know more!
- Who is calling?

Tell your story

 Adjust your level of science lingo (if in doubt: -1)

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Simplify, don't oversimplyfy

So:

(Einstein)

- Stay calm you know more!
- Who is calling?
- Adjust your level of science lingo (if in doubt: -1)

- Tell your story

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Simplify, don't oversimplyfy

• Be personal (use the "I" word)

So:

(Einstein)

- Stay calm you know more!
- Who is calling?
- Adjust your level of science lingo (if in doubt: -1)

- Tell your story

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Simplify, don't oversimplyfy

• Be personal (use the "I" word) Offer to verify your quotes and