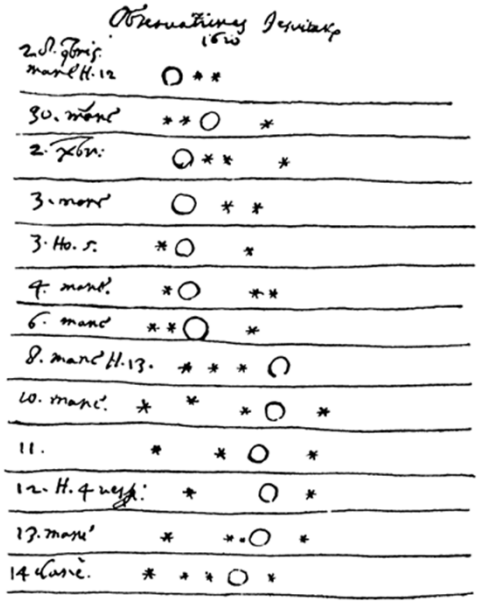
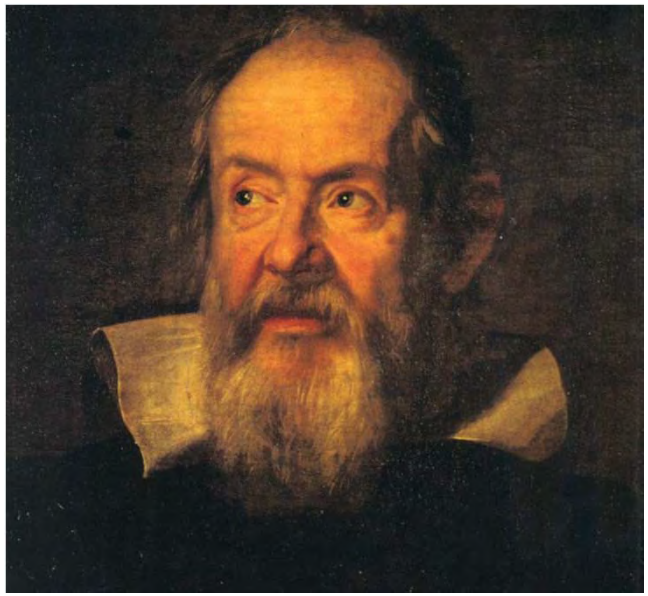
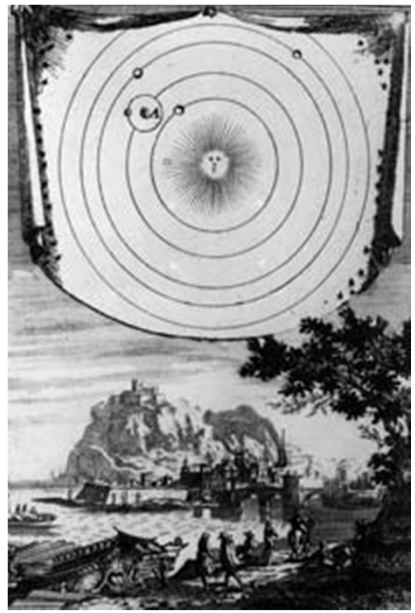
Science 2.0: Online Social Networks und neue Publikationsformen in der medizinischen Wissenschaft

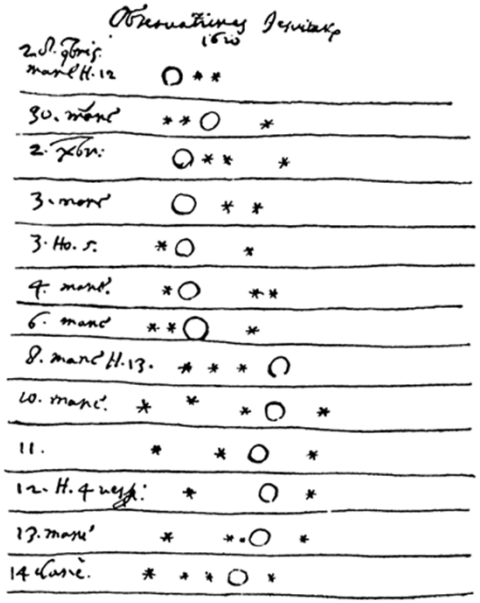
PD Dr. Sönke Bartling

TMF-Jahreskongress 2013





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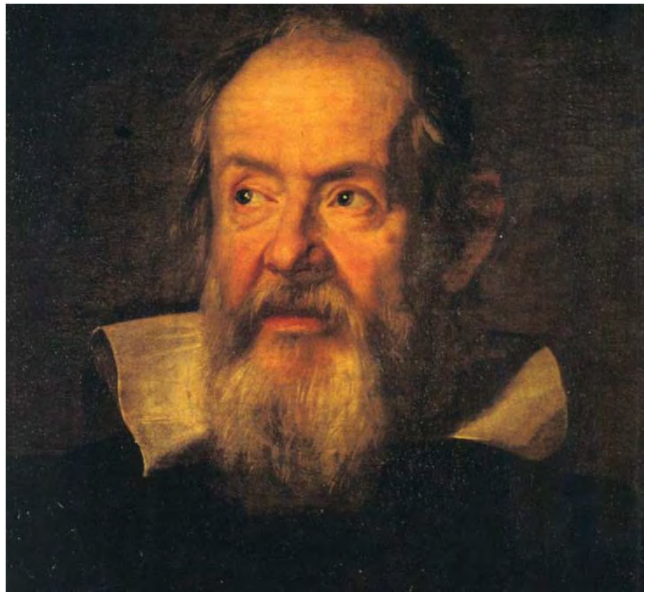
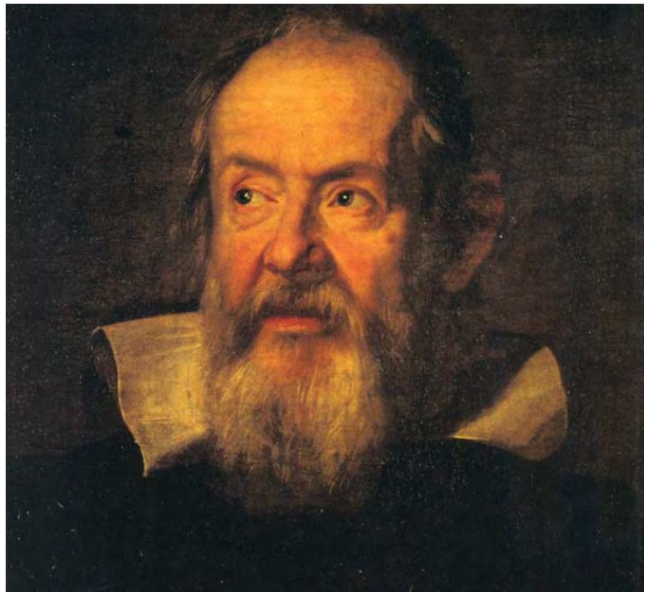
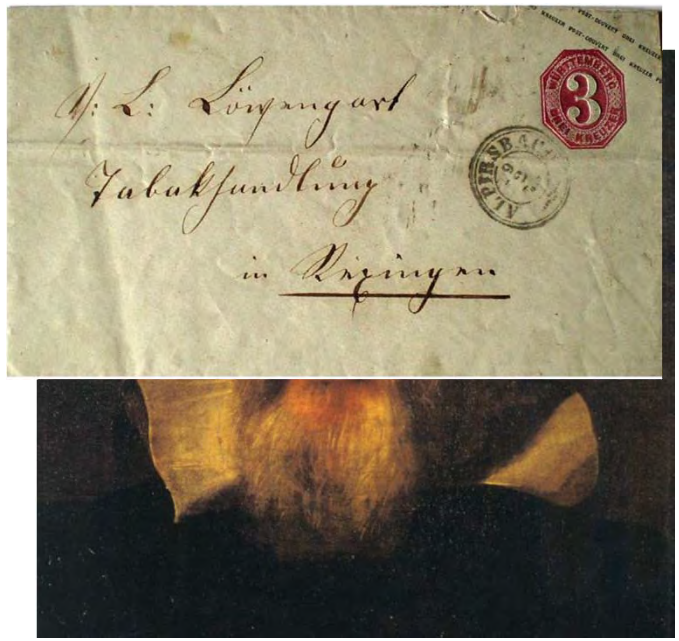






Kepler & Kollegen

Altissimum planetam terrae minum observavi

smaisnimilnepoetaleumburnenugttauiras

Closed Science

Nielsen 2012

PHILOSOPHICAL TRANSACTIONS:

GIVING SOME

ACCOMPT

OF THE PRESENT

Undertakings, Studies, and Labours

OF THE

INGENIOUS

IN MANY

CONSIDERABLE PARTS

OF THE

WORLD.

Vol I.

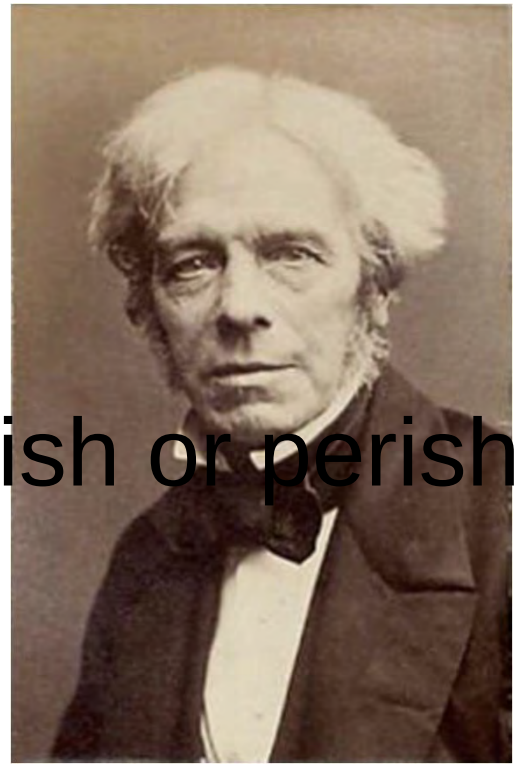
For *Anno* 1665, and 1666.

In the *SAVOY*,

Printed by *T. N.* for *John Martyn* at the Bell, a little without *Temple-Bar*, and *James Allestry* in *Duck-Lane*,

Printers to the *Royal Society*.

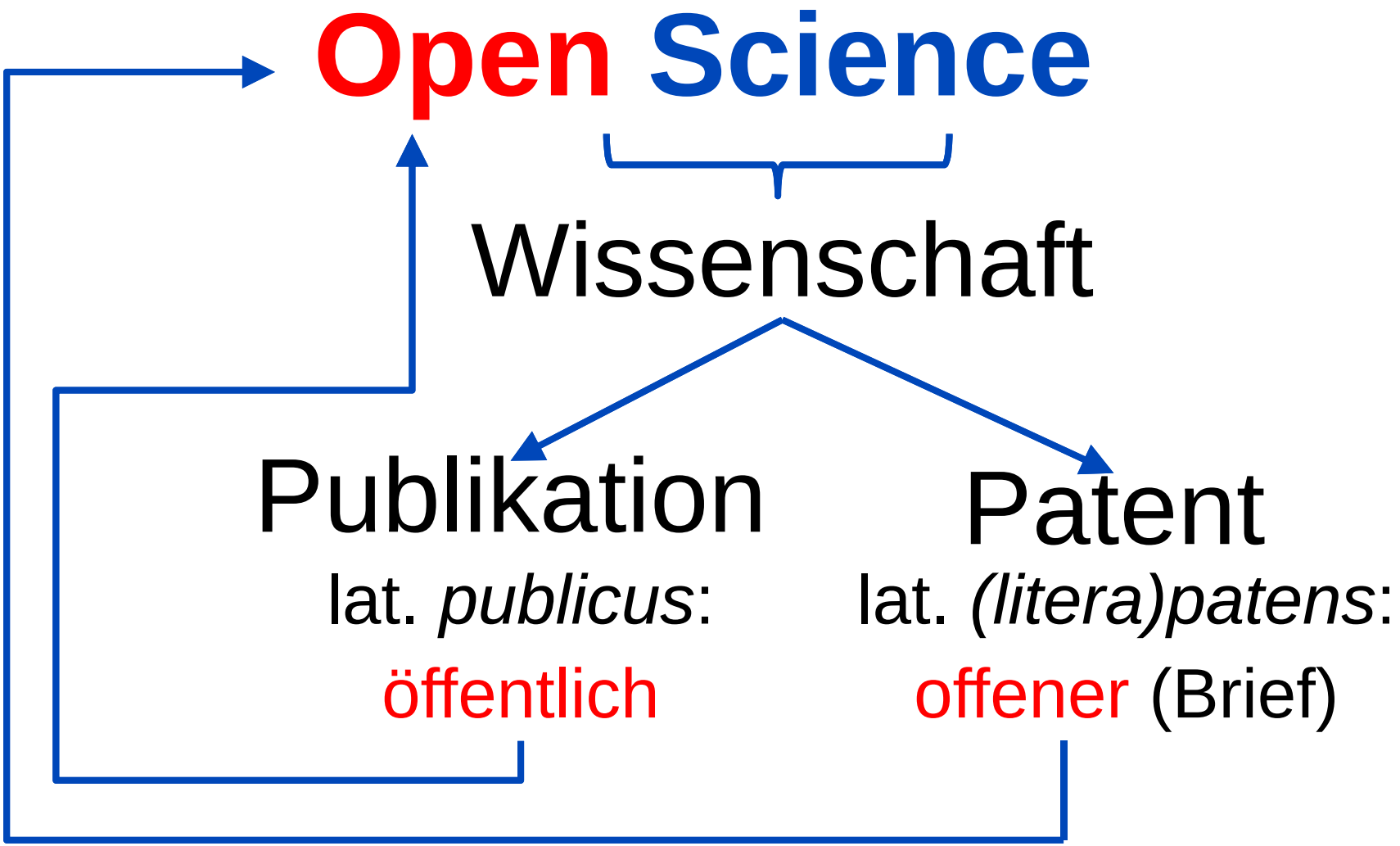
Open Science: Die Publikation das Maß aller Dinge



Publish or perish

“Work. Finish. Publish.”

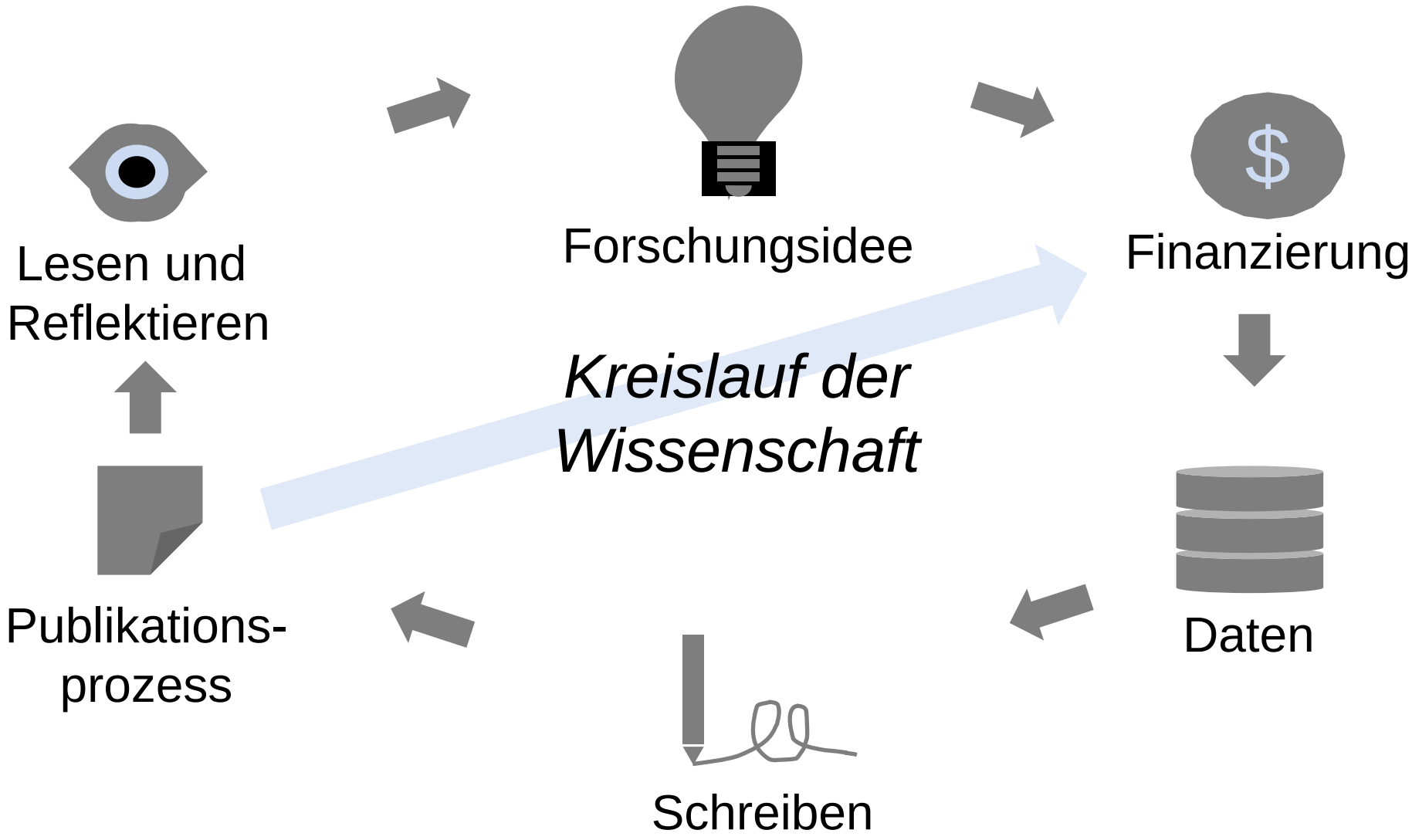
Nach der wissenschaftlichen Revolution



Friesike 2012

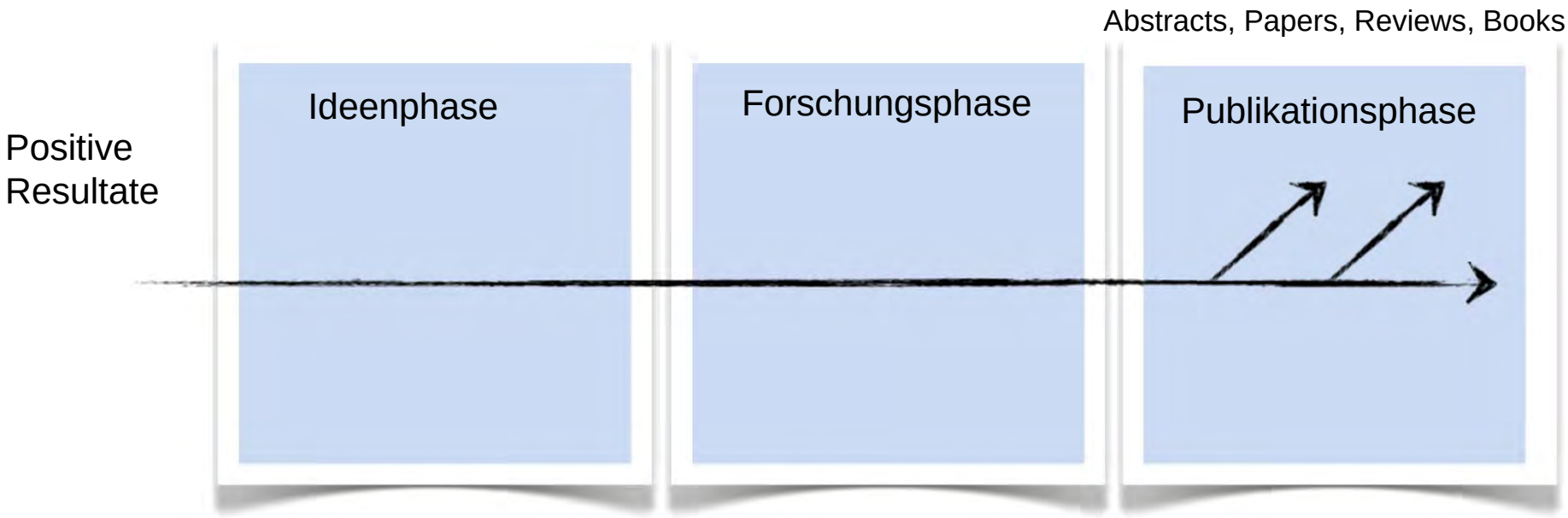
Curriculum vitae

Open Science: Die Publikation das Maß aller Dinge



Friesike 2012

Forschung heute



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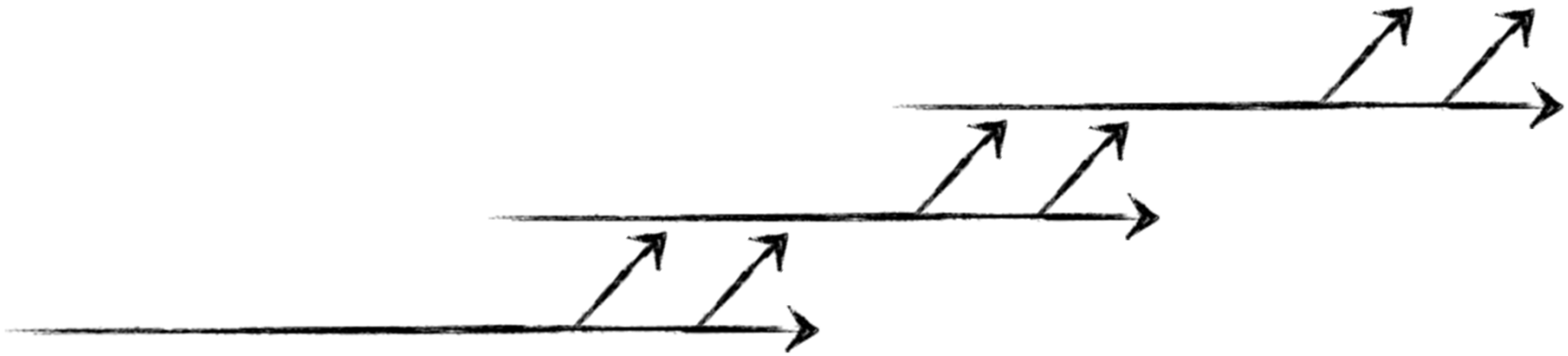

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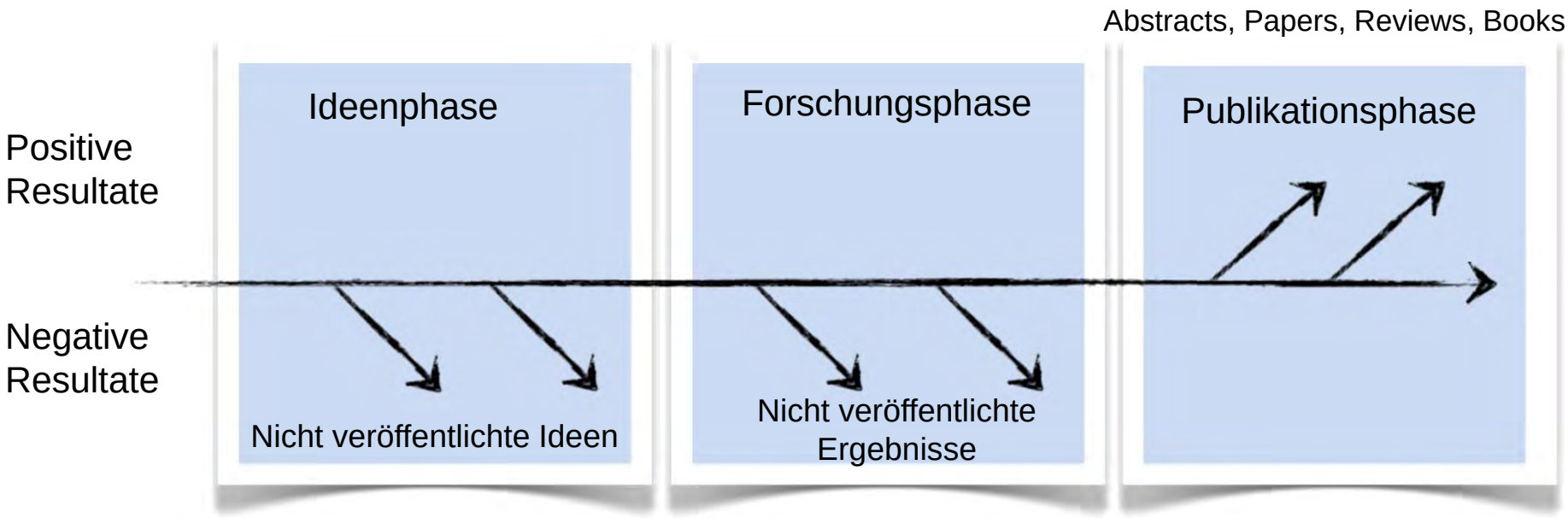

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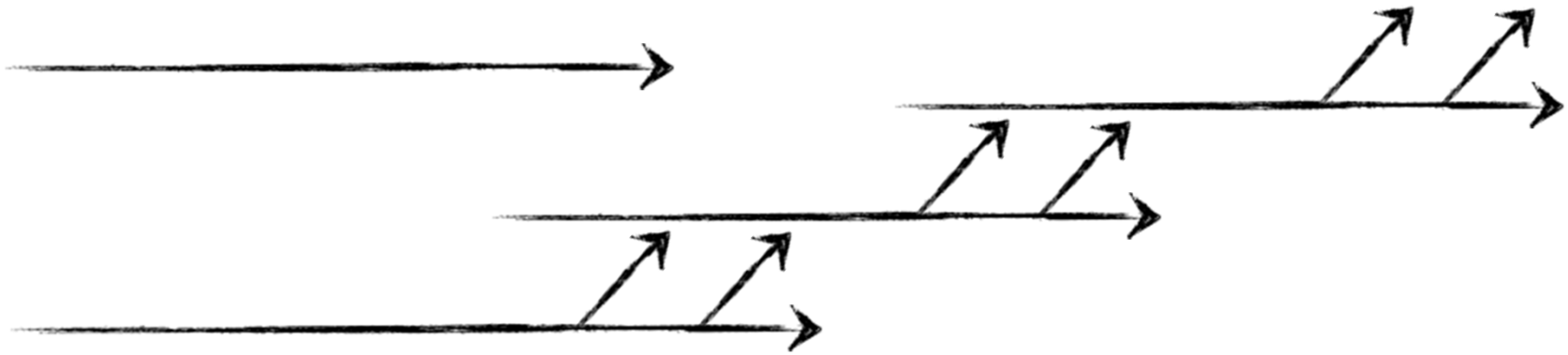
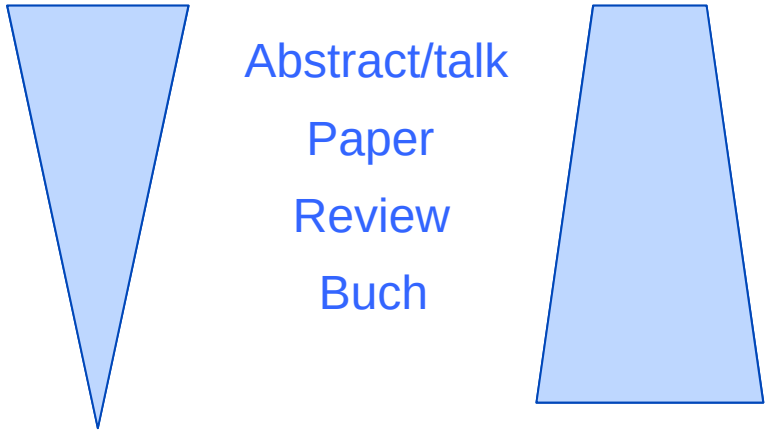


Publikationsformen vor dem Internet

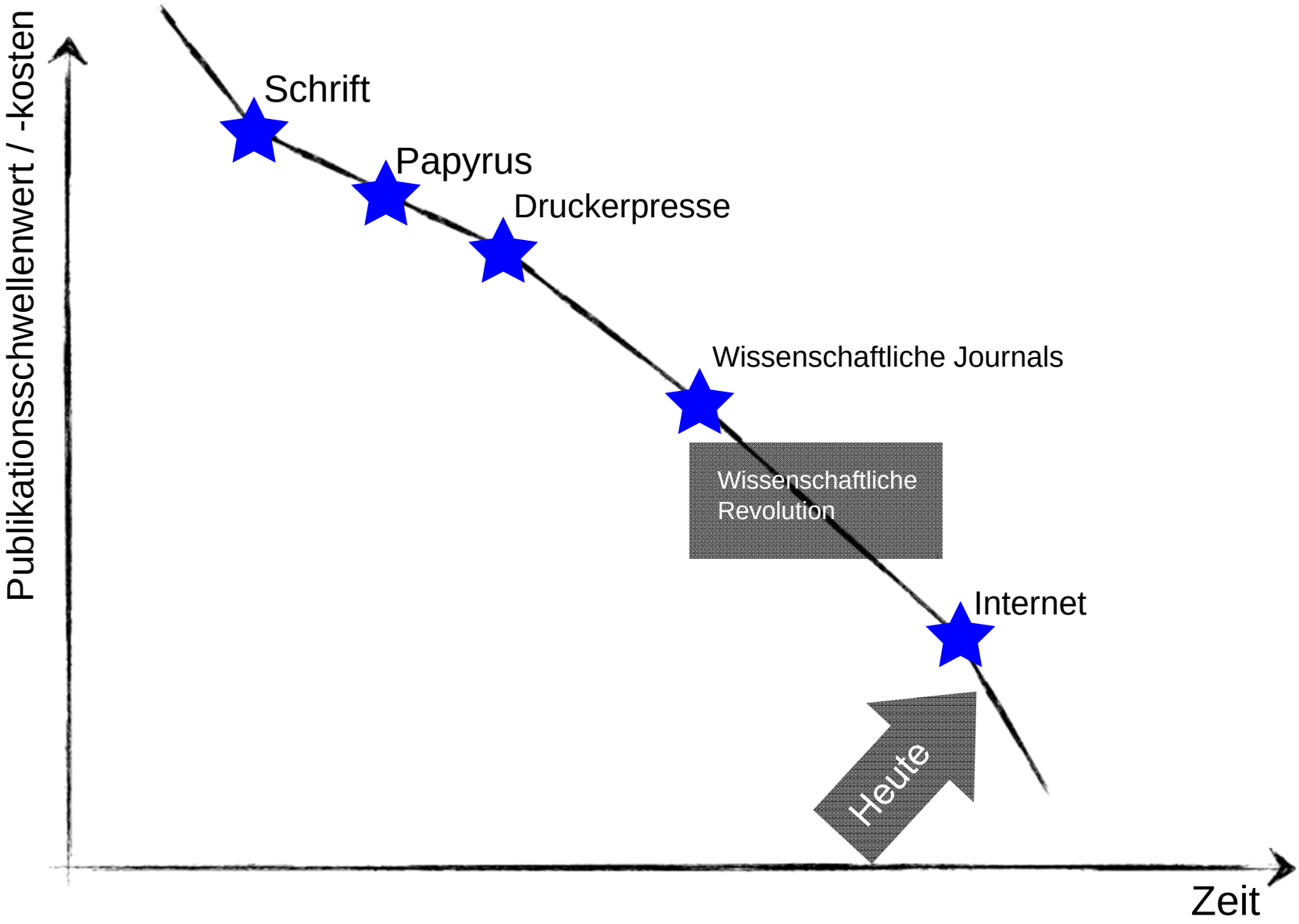
Aktualität / Einfachheit



Komplettheit der Resultate, Zuhörerbreite, Strukturelle Ausgereiftheit, Zeit für ein Projekt, Durchdachtheit

Das Internet

- 1969 ARPANET – Zur Vernetzung von Unis und Forschungseinrichtungen
- Ein Netzwerk zum Austauch digitaler Daten unter Forschern
- 1990 National Science Foundation – Internet wird “öffentlich” gemacht
- Verbreitung unter privaten Nutzern steigt, Kommerzialisierung
- Web 2.0 – Das Social Net
- Ab 2000: Beginnender, grundlegender, gesellschaftlicher Einfluß
- Deutliche Veränderung der Kommunikationskultur
- Deutlichen Einfluß auf das Selbstverständnis von Copyright, Kollaboration, Urheberrechte, Privatsphäre, etc.
- Piratenpartei, 1 Milliarde Menschen in Facebook, Twitter als “Pfeiler” der arabischen Revolution, etc.
- Heute: Veränderungen beginnen sich auf die Forschungskultur aus zu wirken



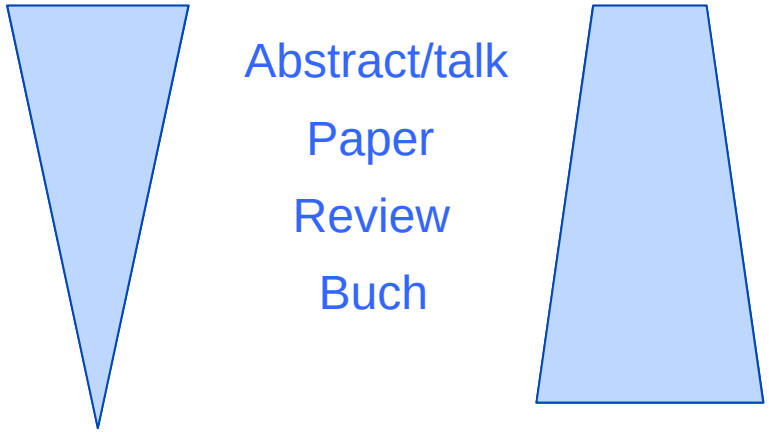
Bartling / Friesike 2012

Microblog

Status update

Comment/blog

Wiki update



Abstract/talk

Paper

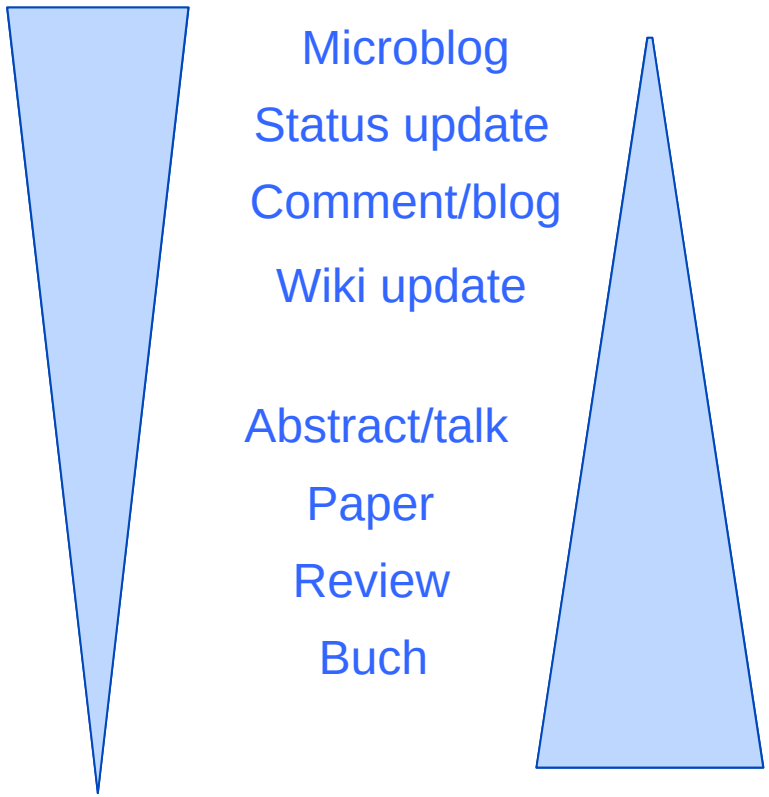
Review

Buch

Aktualität / Einfachheit

Komplettheit der Resultate, Zuhörerbreite, Strukturelle Ausgereiftheit, Zeit für ein Projekt, Durchdachtheit

Publikationsformen durch das Internet

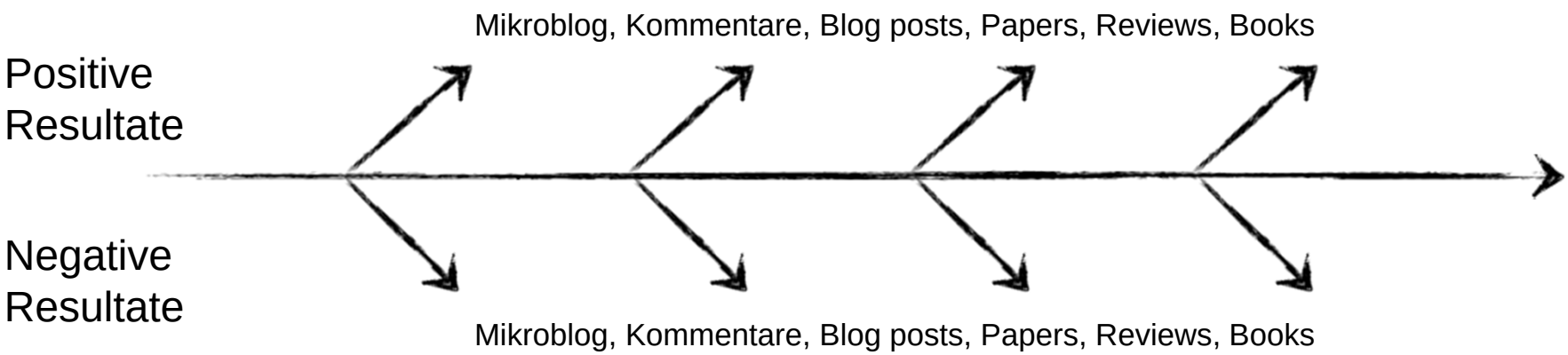


Aktualität / Einfachheit

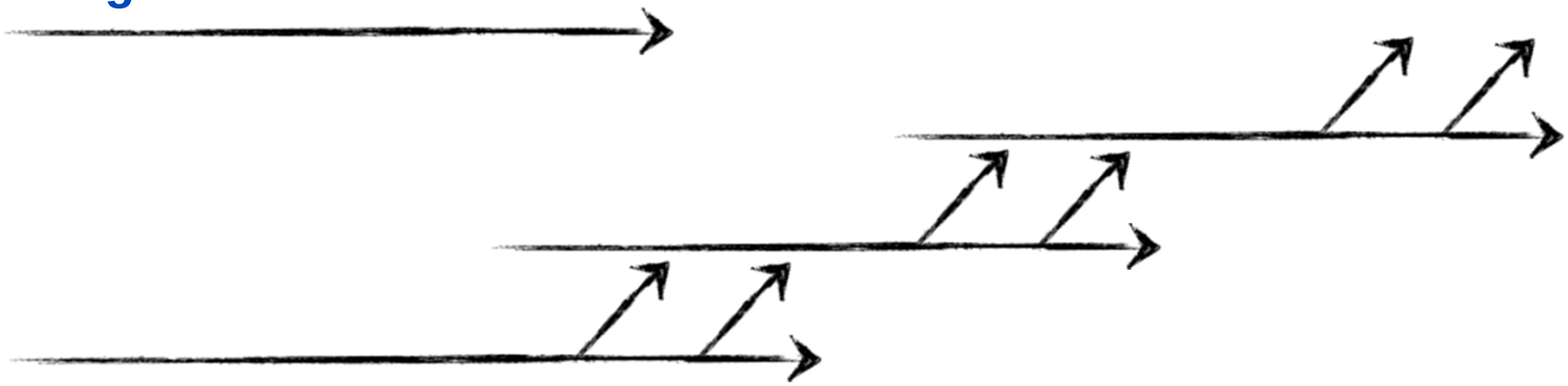
Komplettheit der Resultate, Zuhörerbreite, Strukturelle Ausgereiftheit, Zeit für ein Projekt, Durchdachtheit

Bartling 2012

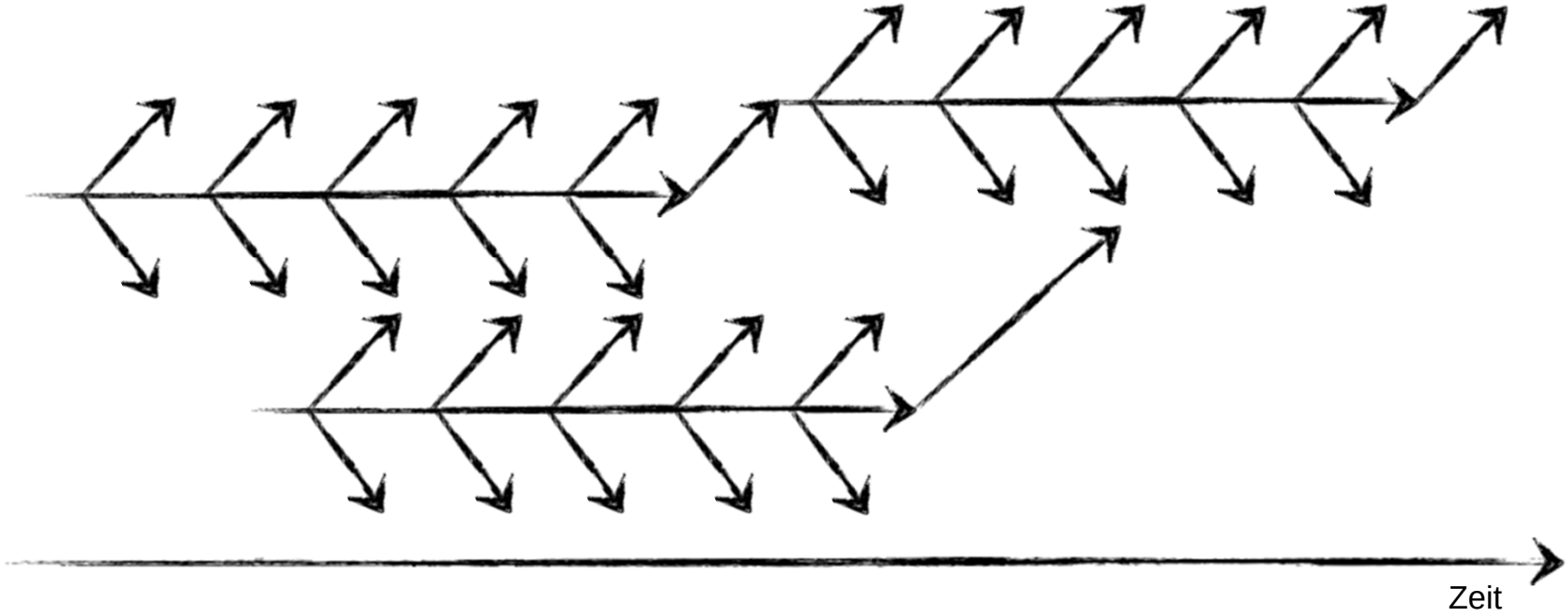
Forschung morgen ?



Forschung heute



Forschung morgen ?



Curriculum vitae

Neue + Alte Publikations-formen


7-YEAR CUMULATIVE IMPACT FACTOR RANKING

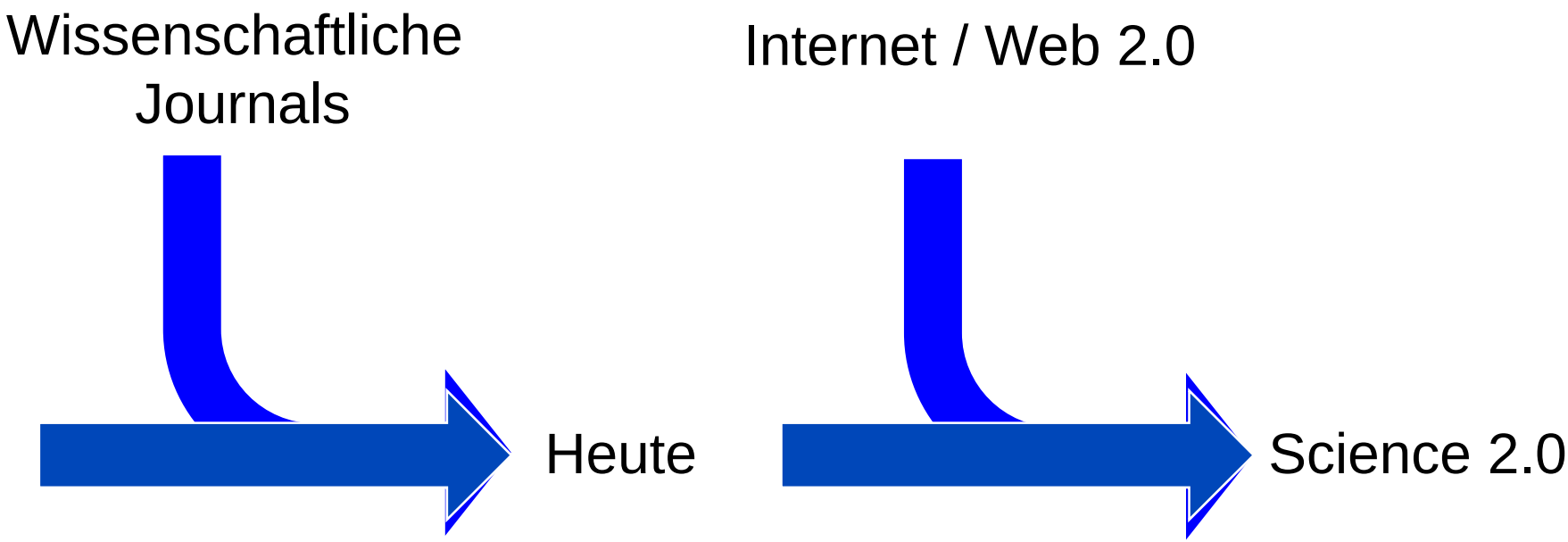
Science 2.0 bietet zusätzliche Möglichkeiten

Die “alten” Strukturen werden mit neuen Strukturen ergänzt

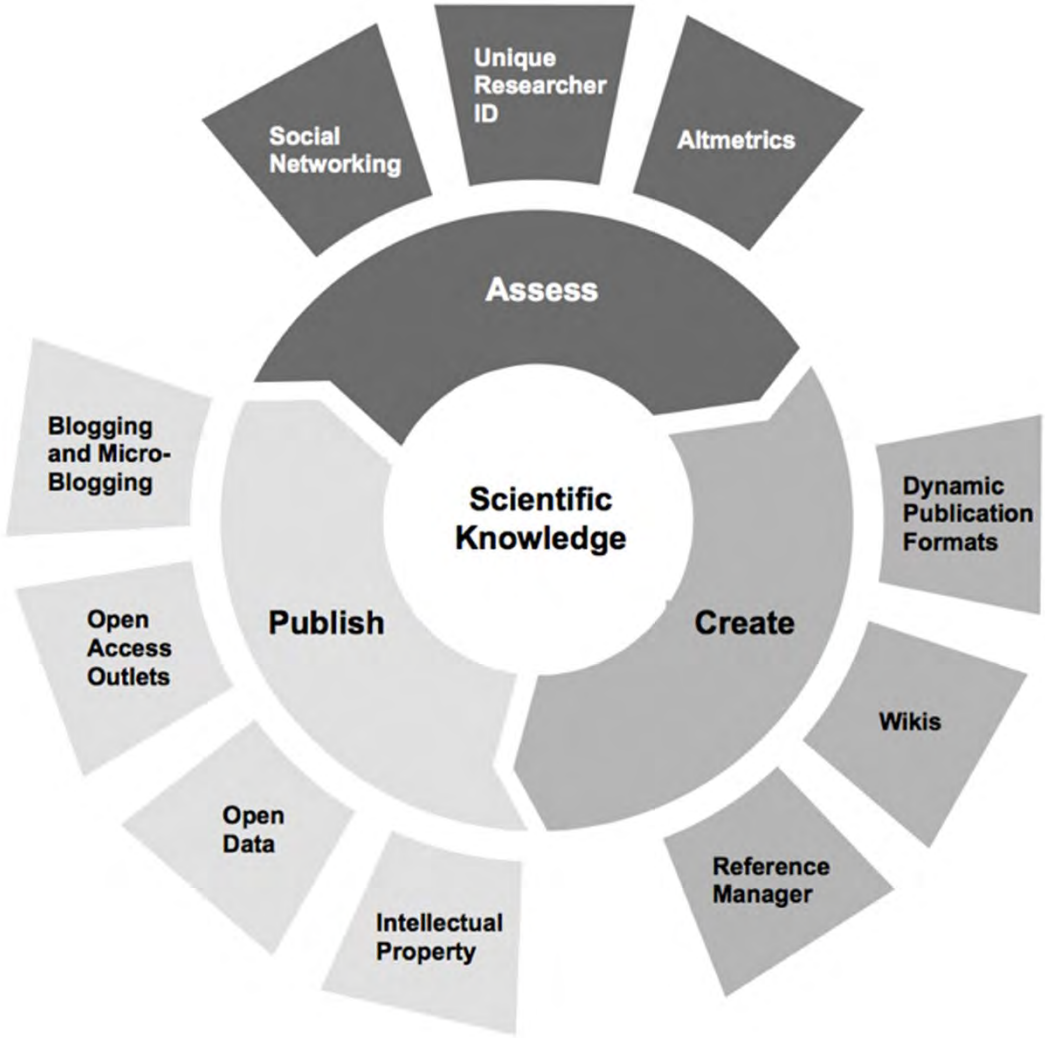
Bsp.:

- Weiterhin sind persönlichen Diskussionen wichtig
- Weiterhin Netzwerke ausserhalb von online Netzwerken
- Es wird weiterhin noch Paper und Bücher geben

Science 2.0


Wissenschaftliche Journals
Heute
Internet / Web 2.0
Science 2.0

Science 2.0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Scientific Knowledge
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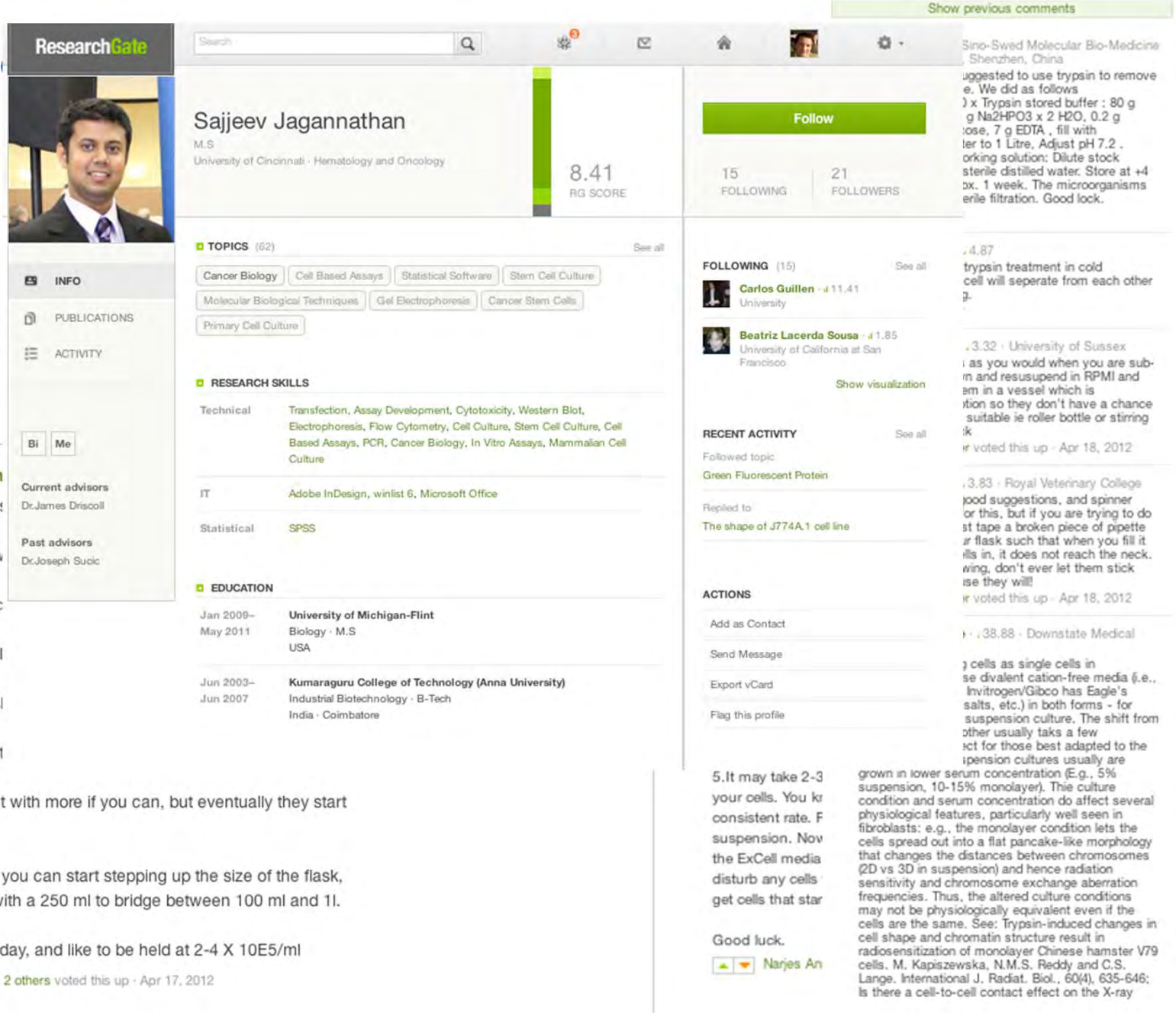
Open Access Outlets
Publish
Create
Wikis
Open Data
Reference Manager
Intellectual Property

Online So



POPULAR ANSWERS

Sajjeev Jagannathan

Expand the cells in dis
confluent and
collected those that w
resuspend in
Joklik's or S-MEM at
start with around 50
ml of cells in a 100 ml
count
and resuspend in fres
X
10E5/ml. They seem
down,
so it's best to start out with more if you can, but eventually they start growing.

Once they get going, you can start stepping up the size of the flask, you might get away with a 250 ml to bridge between 100 ml and 1l. They
double about once a day, and like to be held at 2-4 X 10E5/ml

Faye Stringer and 2 others voted this up · Apr 17, 2012

Show previous comments

Sino-Swed Molecular Bio-Medicine
Shenzhen, China
uggested to use trypsin to remove
e. We did as follows
) x Trypsin stored buffer : 80 g
g Na2HPO3 x 2 H2O, 0.2 g
ose, 7 g EDTA , fill with
ter to 1 Litre, Adjust pH 7.2 .
orking solution: Dilute stock
sterile distilled water. Store at +4
ox. 1 week. The microorganisms
erile filtration. Good lock.

4.87
trypsin treatment in cold
cell will seperate from each other
g.

3.32 · University of Sussex
as you would when you are sub-
m and resusupend in RPMI and
em in a vessel which is
tion so they don't have a chance
suitable ie roller bottle or stirring
ik
r voted this up · Apr 18, 2012

3.83 · Royal Veterinary College
ood suggestions, and spinner
or this, but if you are trying to do
st tape a broken piece of pipette
r flask such that when you fill it
lls in, it does not reach the neck.
wing, don't ever let them stick
se they will!
r voted this up · Apr 18, 2012

38.88 · Downstate Medical

cells as single cells in
se divalent cation-free media (i.e.,
Invitrogen/Gibco has Eagle's
salts, etc.) in both forms - for
suspension culture. The shift from
other usually taks a few
ect for those best adapted to the
pension cultures usually are

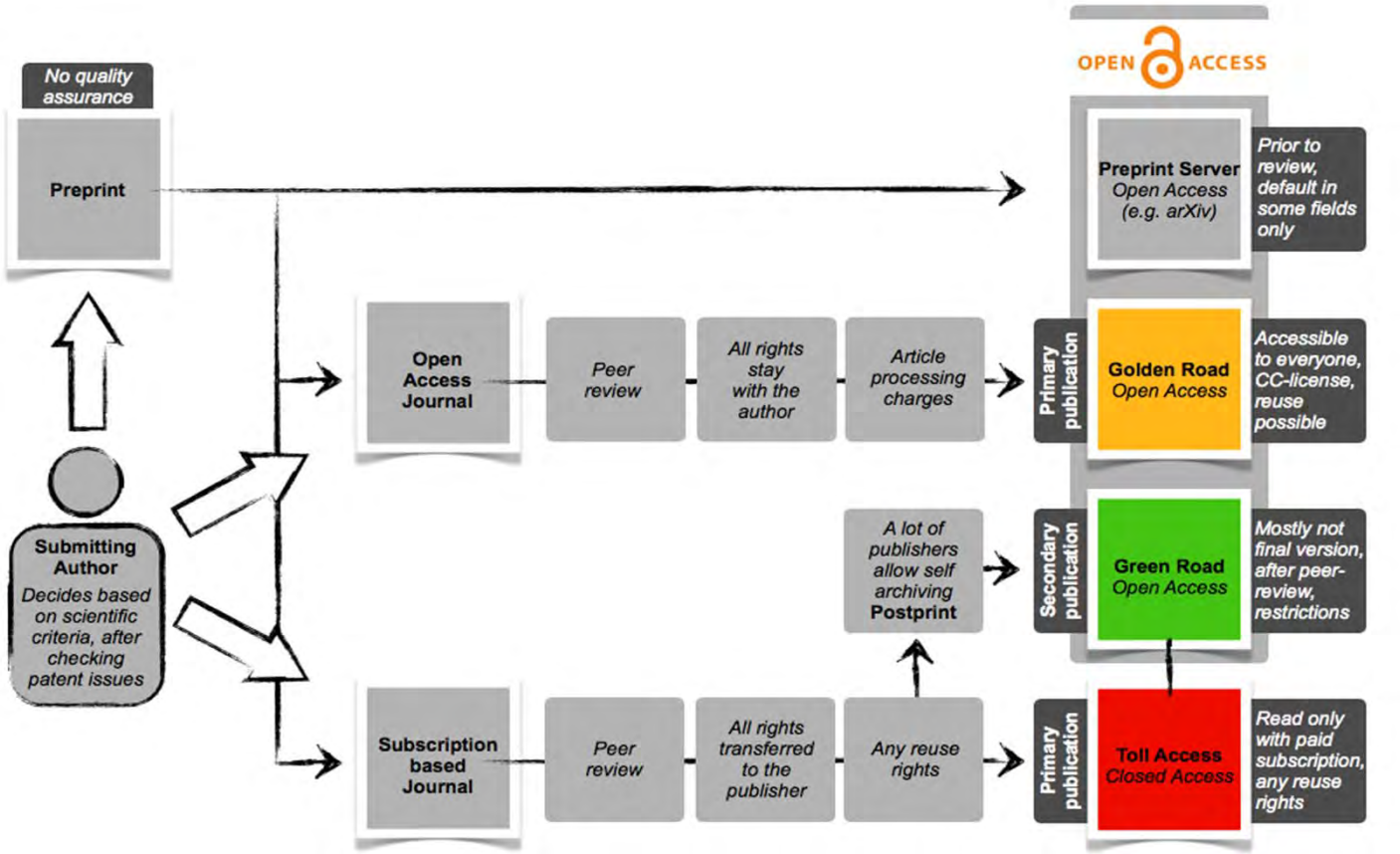
5.It may take 2-3
your cells. You k
consistent rate. F
suspension. Nov
the ExCell media
disturb any cells
get cells that star

Good luck.

Narjes An

grown in lower serum concentration (E.g., 5% suspension, 10-15% monolayer). Thie culture condition and serum concentration do affect several physiological features, particularly well seen in fibroblasts: e.g., the monolayer condition lets the cells spread out into a flat pancake-like morphology that changes the distances between chromosomes (2D vs 3D in suspension) and hence radiation sensitivity and chromosome exchange aberration frequencies. Thus, the altered culture conditions may not be physiologically equivalent even if the cells are the same. See: Trypsin-induced changes in cell shape and chromatin structure result in radiosensitization of monolayer Chinese hamster V79 cells. M. Kapiszewska, N.M.S. Reddy and C.S. Lange. International J. Radiat. Biol., 60(4), 635-646; Is there a cell-to-cell contact effect on the X-ray

Open Access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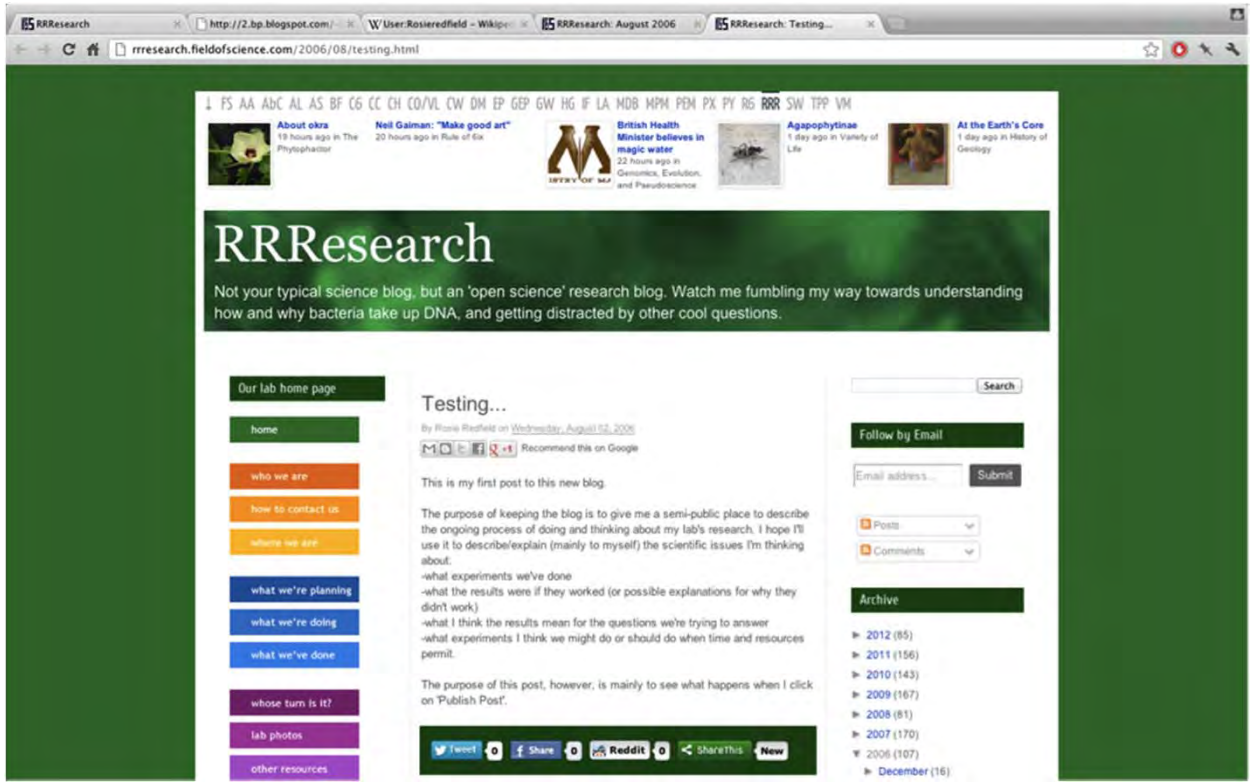
Blogs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http://2.bp.blogspot.com/
User:Rosieredfield – Wikipe
RRResearch: August 2006
RRResearch: Testing...
rrresearch.fieldofscience.com/2006/08/testing.html
About okra
Neil Gaiman: "Make good art"
British Health Minister believes in magic water
Agapophytinae
At the Earth's Core
RRResearch
Not your typical science blog, but an 'open science' research blog. Watch me fumbling my way towards understanding how and why bacteria take up DNA, and getting distracted by other cool questions.
Our lab home page
home
who we are
how to contact us
what we're planning
what we're doing
what we've done
whose turn is it?
lab photos
other resources
Testing...
Recommend this on Google
This is my first post to this new blog.
The purpose of keeping the blog is to give me a semi-public place to describe the ongoing process of doing and thinking about my lab's research. I hope I'll use it to describe/explain (mainly to myself) the scientific issues I'm thinking about:
-what experiments we've done
-what the results were if they worked (or possible explanations for why they didn't work)
-what I think the results mean for the questions we're trying to answer
-what experiments I think we might do or should do when time and resources permit.
The purpose of this post, however, is mainly to see what happens when I click on 'Publish Post'.
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Reddit
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New
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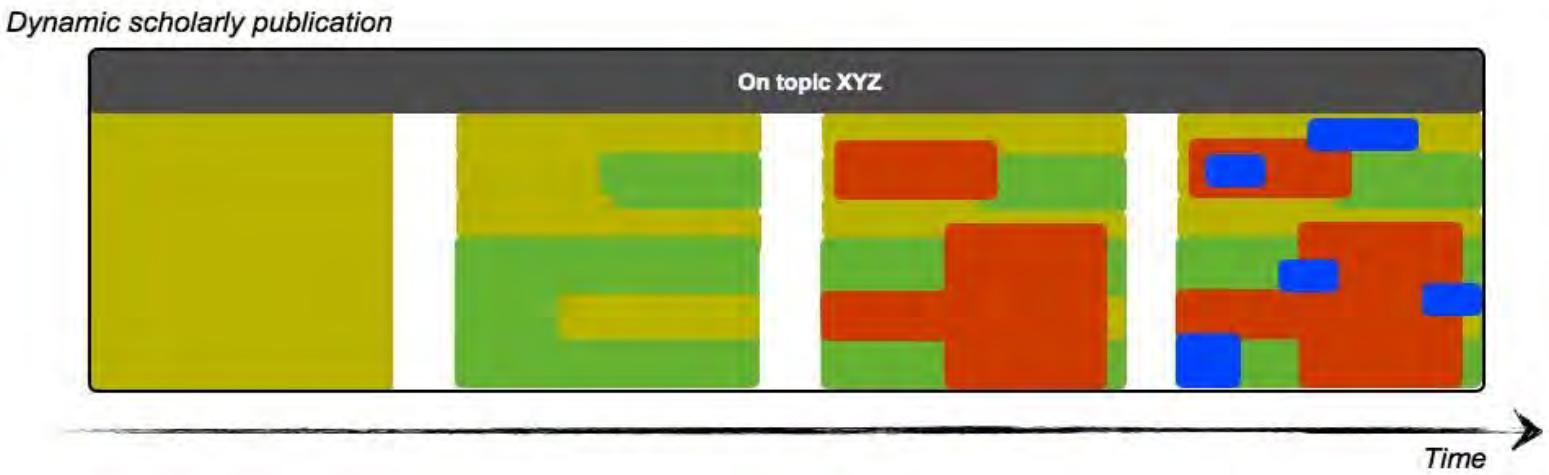
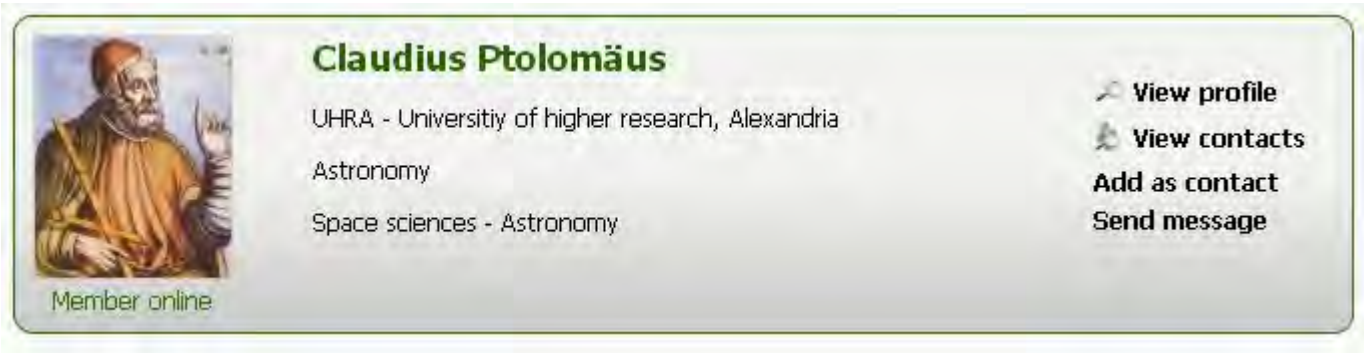
Email address...
Submit
Posts
Comments
Archive
2012 (85)
2011 (156)
2010 (143)
2009 (167)
2008 (81)
2007 (170)
2006 (107)
December (16)

Wikis – “Dynamische Publikationen”



Was wäre wenn …



Dynamische Publikation

Dynamische Publikation

Dynamische Publikation

Dynamische Publikation

Dynamische Publikation: Versionsgeschichte

update list

compare versions

rev.			flags	actions	by	date	comments
2.	○	○	S	V S	Claudius Ptolomäus	1 Mar 2008	
1.	◉	○	S	V S R	Nikolaus Kopernikus	1 Mar 2008	
0.	○	◉	N	V S R	Johannes Kepler	1 Mar 2008	

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Source change:

The sun is in the middle of the world system.
And the planets (including the earth) rotate ~~on cycles~~ on ellipses around the sun.

Member online

Nikolaus Kopernikus

University of Krakau

Astronomy

Space sciences - Astronomy

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Johannes Kepler

Royal institute of sciene, Praha

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Dynamische Publikation

Altmetrics


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Total Article Views: 18516 from Jul 22, 2009 (publication date) - Jun 6, 2010*
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HTML Page Views: 16120
PDF Downloads: 2368
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20000
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*Data refer to views from the PLoS ONE Web site only.
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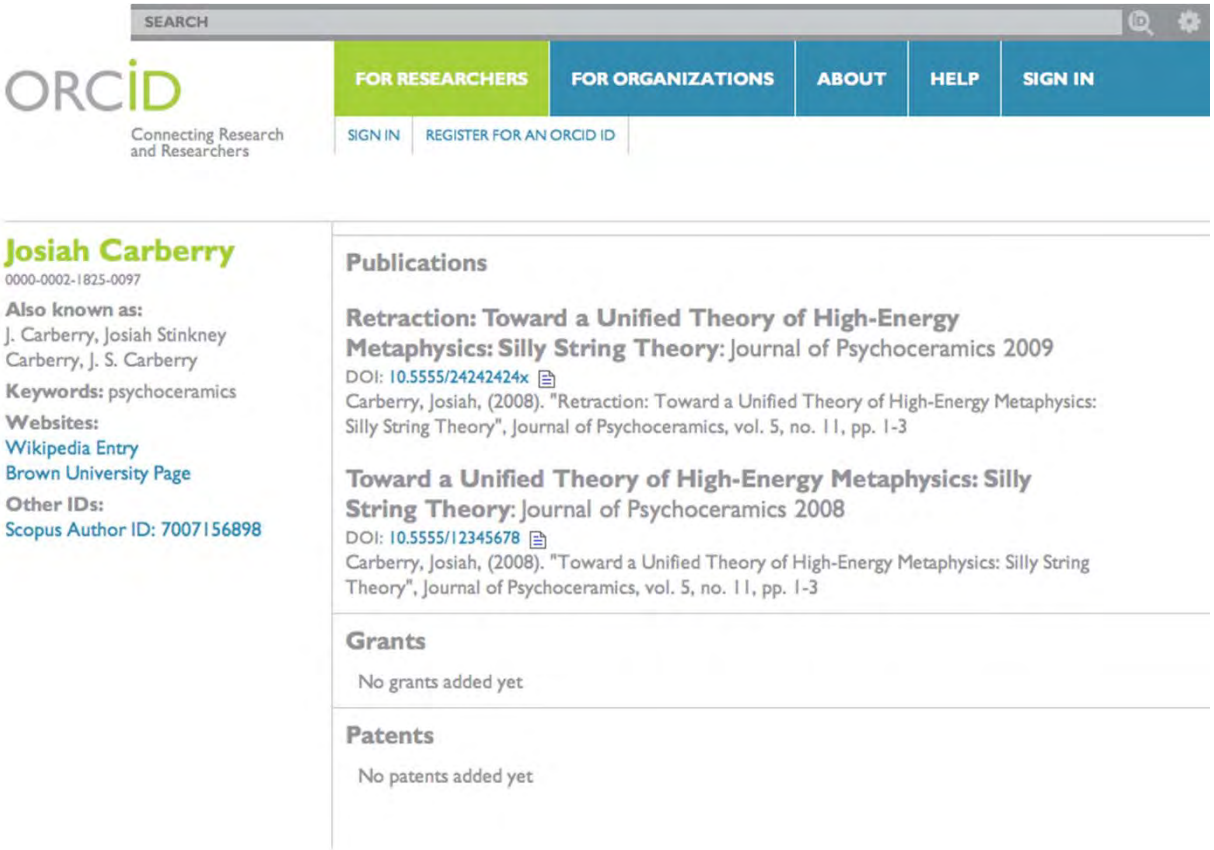

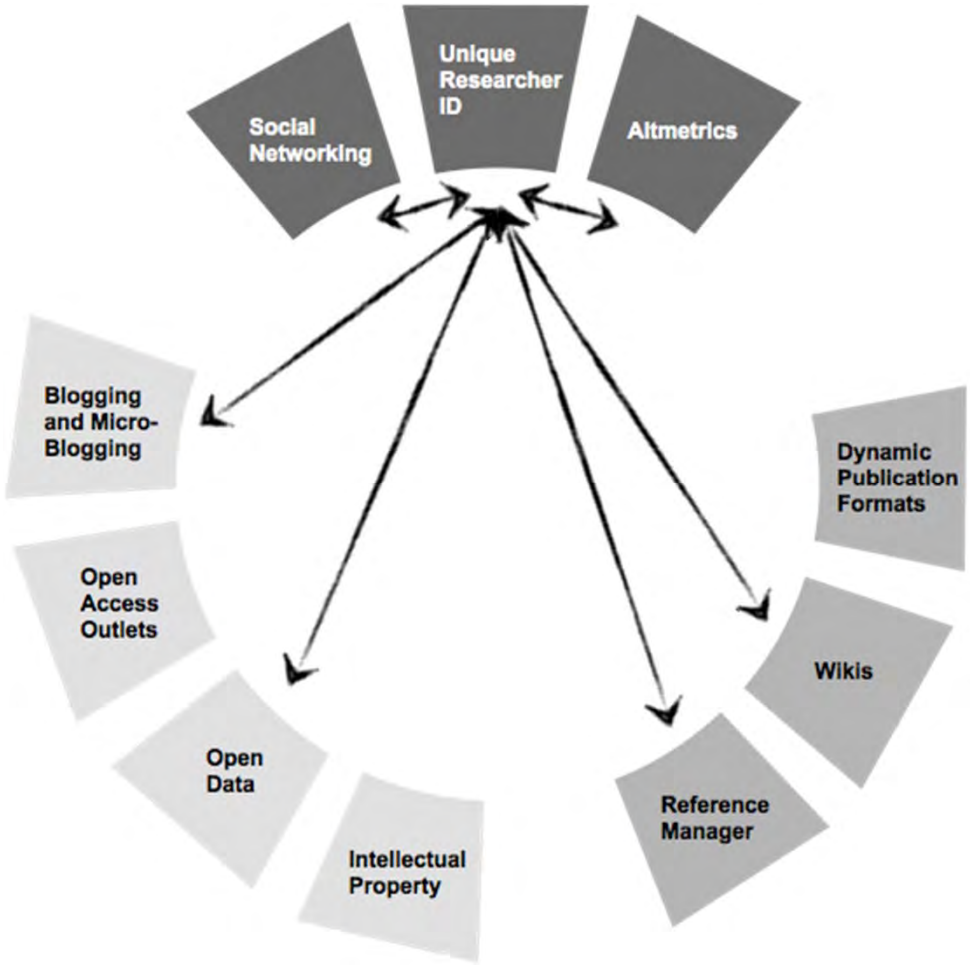
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Alexander von Humboldt Institut für Internet und Gesellschaft

Autoren:
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Ein dynamisches Buch