P: Scientific Methods and Writing

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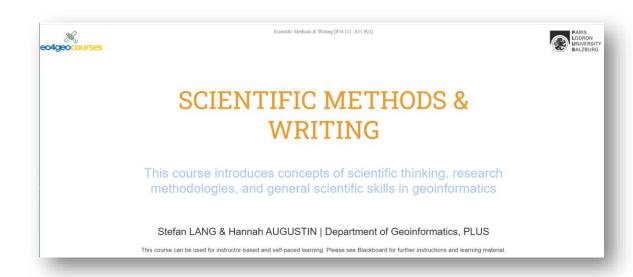


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Introduction Lesson 1

For organisational issues please see

https://eo4geocourses.github.io/PLUS_SciWri/



Scientists must write

- Why? Note down 3 reasons why scientists must write! Your own thoughts ...?
- Science **progresses** through (written) communication
- Scientific dissemination is a crucial step to promote any research activities
- The society / the public finances science and wants to be informed
- You can only **change something** if you **talk or write about** what you are doing!



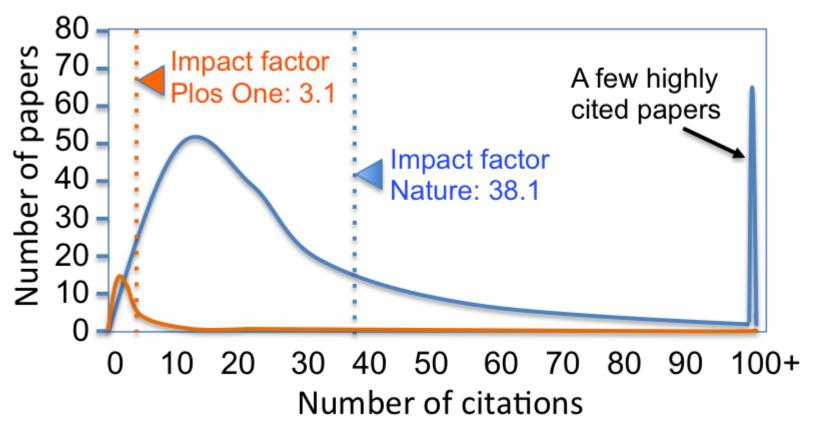
Scientific dissemination

- Dissemination
 - 'Classical' means of scientific dissemination: scientific publication
 - Other means of publication, new media (blog, twitter, movies, etc.), see e.g. www.cophub-ac.eu
 - Currency of science, 'value' depending on journals' impact
 - New ways of dissemination,
 Researcher Night, Open House, etc.





Journal impact factor





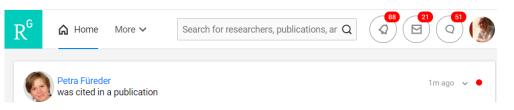
Linked in

New media ...



- Scientific social media groups
 - Research gate
 - Linked in groups
 - Facebook etc.





- Pre-publication platforms
 - e.g. Research Gate, arXiv.org
 - E-print archives for highly dynamic research fields
 - Rapid communication of results (e.g. Corona immunology research)





Scientists must write ... and talk!

- Both writing (W) and talking (T) is key for science
 - Some say: "Science = W", "Teaching = T"
 - Some feel more comfortable in writing, others in talking
 - Good (=effective) science = $\mathbf{W} \& \mathbf{T}$ [science \neq silence!]
 - W is good for documenting, T for selling and communicating → both required for scientific dissemination (e.g. EO4GEO project)







GI Forum / AGIT

GEOBIA conference

EARSeL Symposium

ZGIS

New forms of talking ...

- Scientist should get exposed to a public audience
- Make scientific outcome received / receivable by lay people
- Science Slam or Ted Talk like formats increasingly popular







Scientists must read, too ...

- Joint Library Material Sciences Building Itzling
 - See https://msc-agi.zgis.at







Dissemination (cont.)

- Communication (,2-way')
 - different strategies addressing various target audiences (stakeholders, commercial, public)
- Reports
 - e.g. Z_GIS Annual Report
- News items, blogs, tweets ...
 - Various Z_GIS news feeds and channels
 - Blog for this course tbd.





GISCIENCE BLOG

ASEA Uninet Workshop in Ho Chi Minh City ...



The Interfaculty Department of Geoinformatics -Z GIS implemented a week-long Interdisciplinary

Erasmus+ EMJMD successfully launched



The new Erasmus Mundus Joint Master Degree **COPERNICU** (EMJMD) programme funded under the Erasmus+ N DIGITA scheme has be [...]

10/03/22



Dissemination (cont.)

Videos (<u>https://zgis.at/videos-2/</u>)

























After all ... it's not only about publishing (or presenting)

