

Research and Publication Practices and Strategies

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Strategien

Focus on the **where to publish** dimension

Outline

- ◆ Publish... why?
- ◆ Publish... where?
- ◆ Publish... who? for whom?
- ◆ Publish... how?
- ◆ Publish... what?
- ◆ Publish... when?

Publication Strategies
Axel van Lamsweerde

The role of publication venues

- Your work must be good
- ... but it gets the attention it deserves if the publication venue has a good reputation

Publication Strategies
Carlo Ghezzi



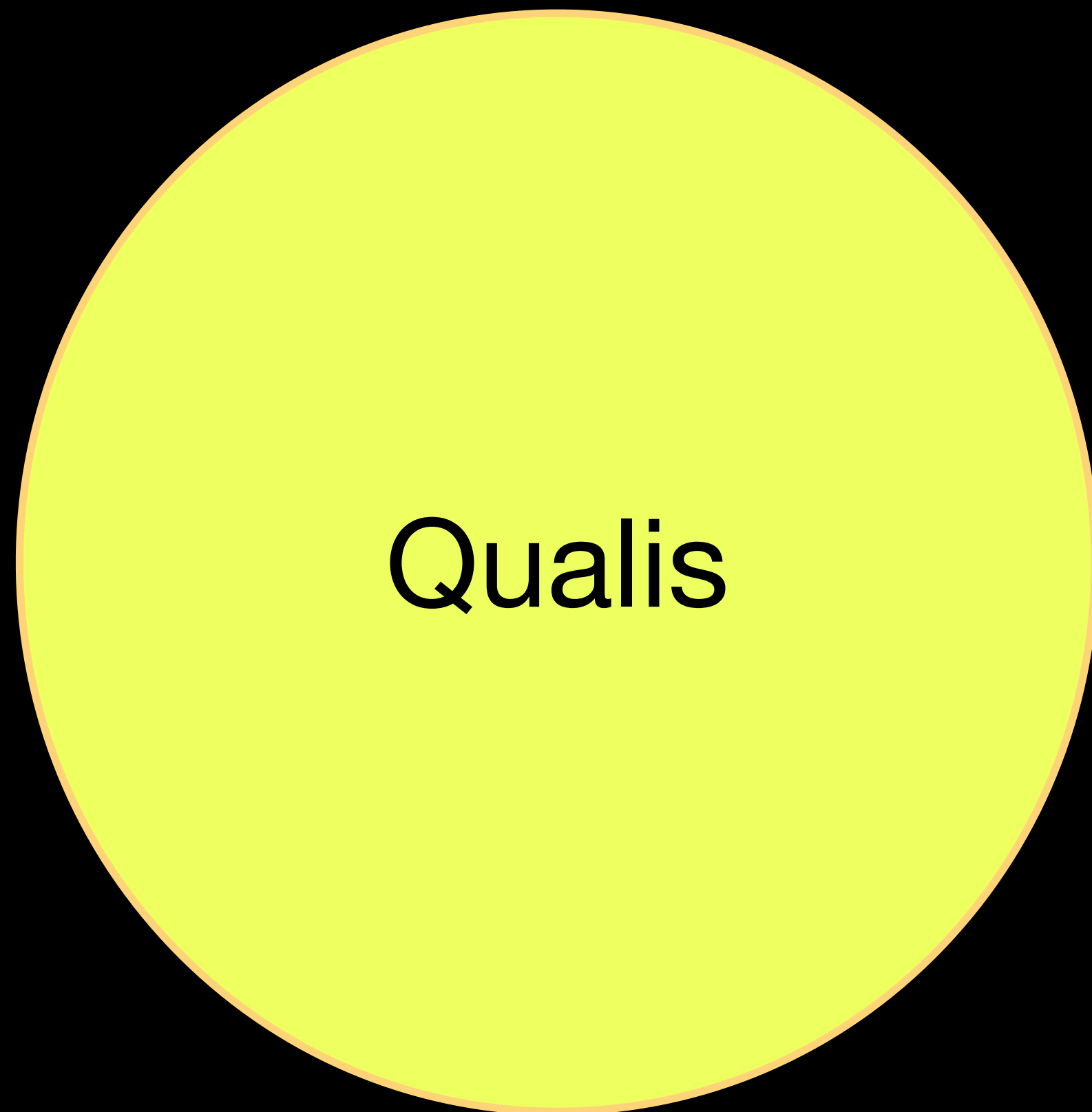
Publish...Where (cont'd)?

My suggested targets for publications

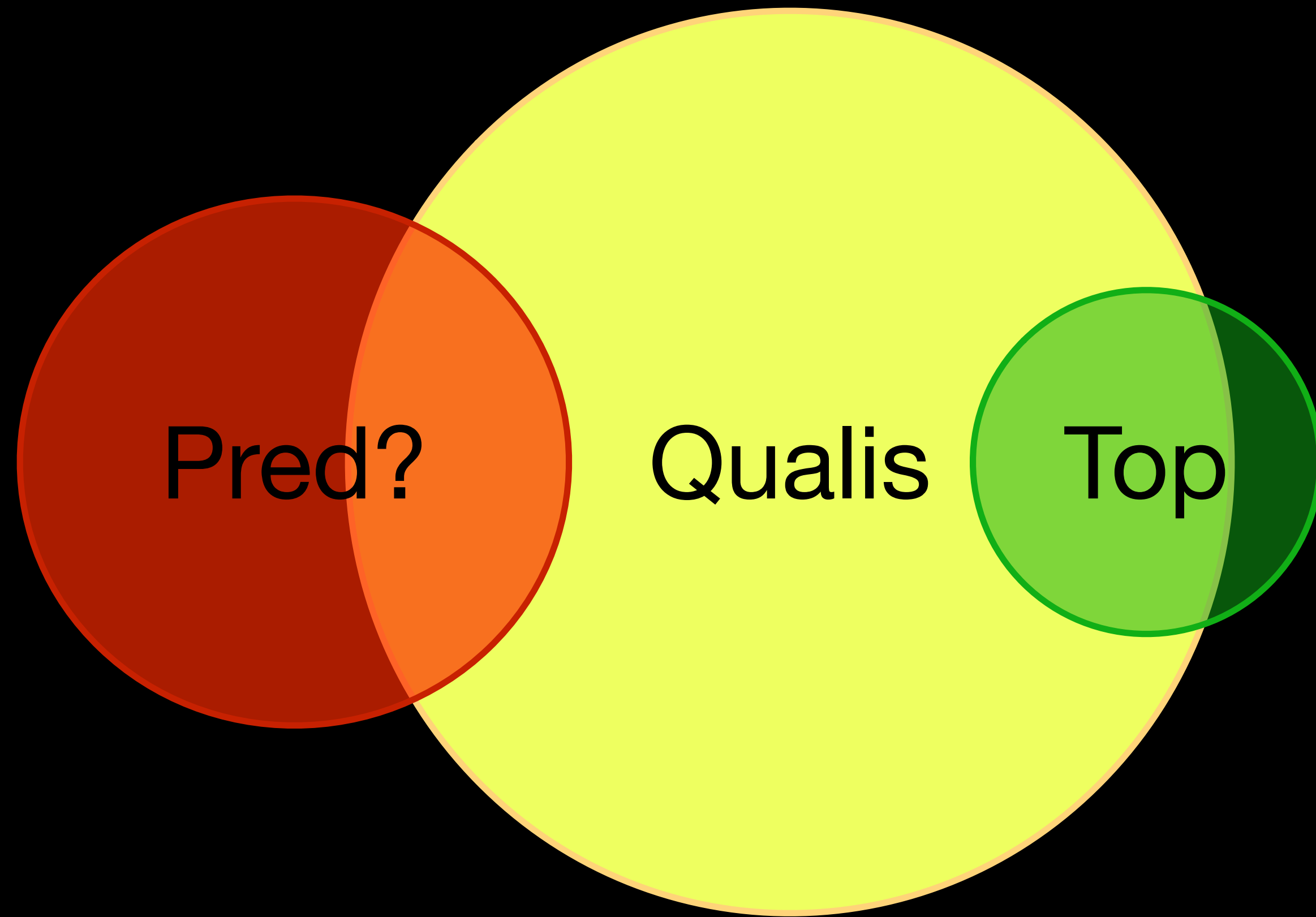
- ACM/IEEE top journals
- TOSEM, TSE, JACM, TOPLAS
- Other SE journals
- Top flagship SE conferences
- ICSE, FSE, ESEC, OOPSLA, POPL
- Specialized symposia
- ISSTA, RE, CAV,...
- Workshop (often attached to conferences)

Publication Strategies
Mary Jean Harrold

Qualis (or similar) directed strategy rankings CAPES, CNPq, etc.



Risk of not getting to green, and of getting to red!
independently of Qualis category



Risk of being successful in
rankings, but of neglecting the
purpose of scientific research

What's the purpose of scientific research?

advancing knowledge, with excellence!

relevance?

What's the purpose of scientific research?

Not to publish papers, nor to increase your CV size

This should be the consequence, priority should be the focus on the purpose

Pure Qualis strategy, with no focus on green, might make a researcher to get away from the purpose!

What makes us closer to the scientific research's purpose?

**Identify and join the international
community of your research area**

<https://pauloborba.cin.ufpe.br/post/participando-comunidade-pesquisa/>

What's your community?

Who are the leaders?

Who makes the difference in terms of results, methods, and practices?

What are the main values?

**Where are the best results and feedback
(serious, independent)?**

What are the main conferences and journals?

The best questions and answers

**Where your work will be better exposed and received
richer evaluations?**

Where are the best collaboration opportunities?

What are the main discussions and discussion channels?

Trends

New techniques and applications

Open science

Replicability

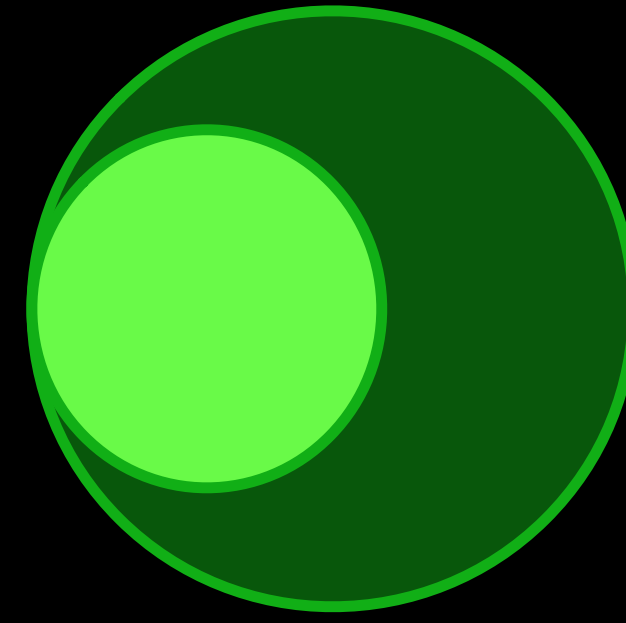
etc.

And what about the national community?

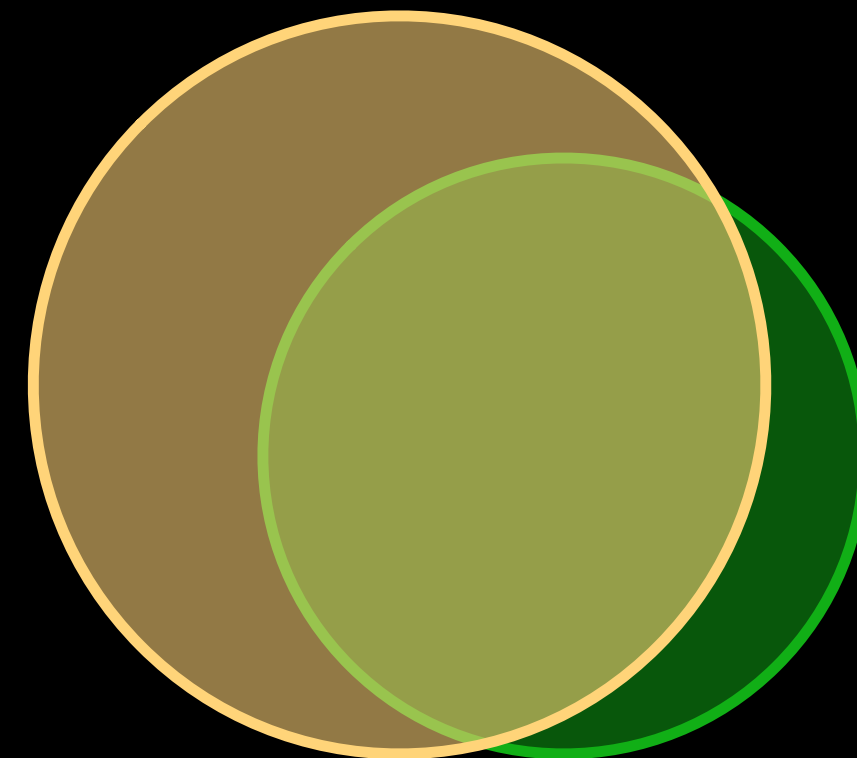
Also important!

**but, in universal areas, the international today
might be the national tomorrow**

Strategy directed by the best publication venues or by rankings valued by your community



CSrankings

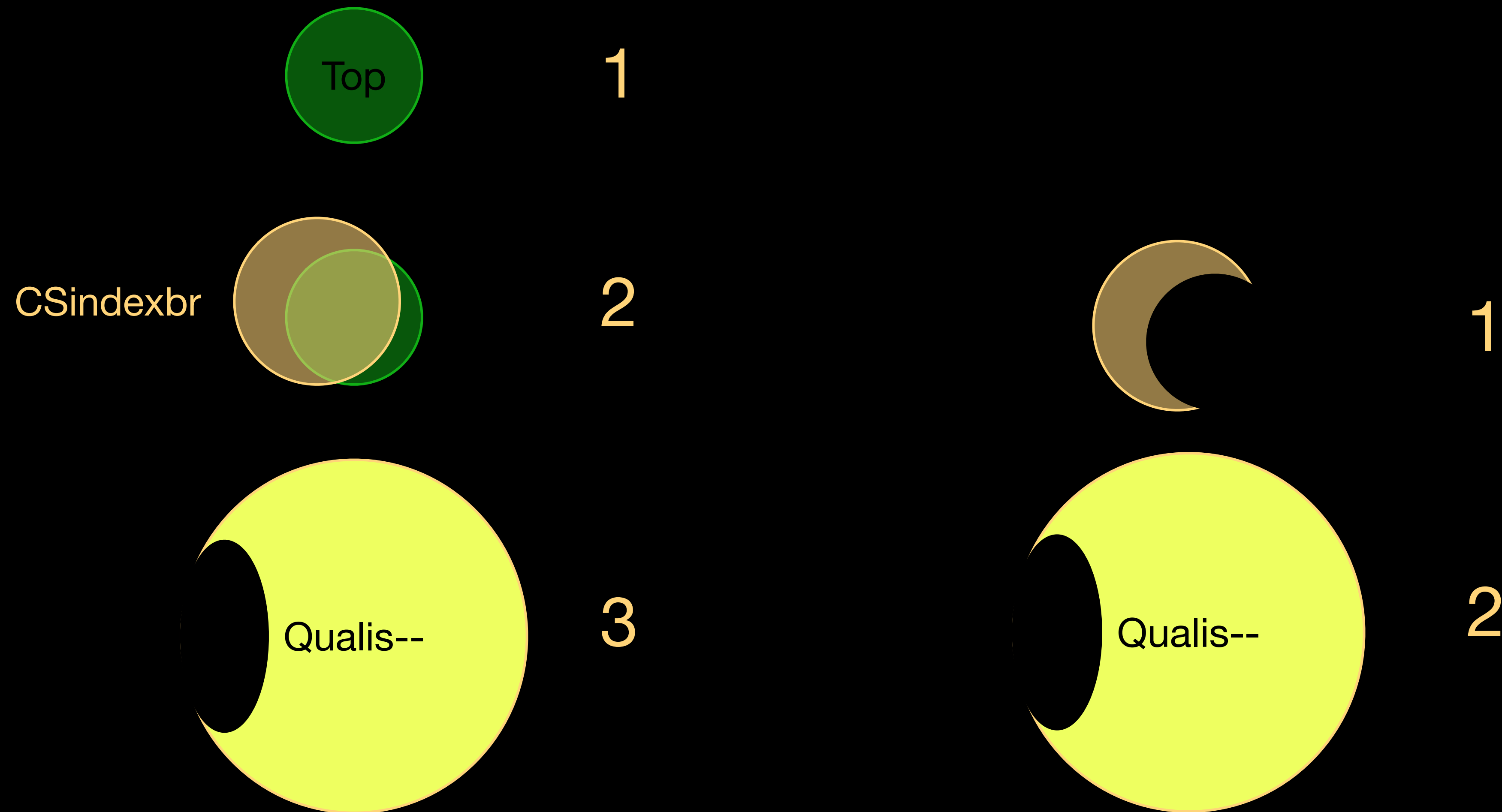


CSindexbr

**Risk of taking a long time to
publish your results...**

and various associated negative consequences!

Hybrid or phased strategies



The best strategy depends on a number of factors

Carrer stage

Research and work quality

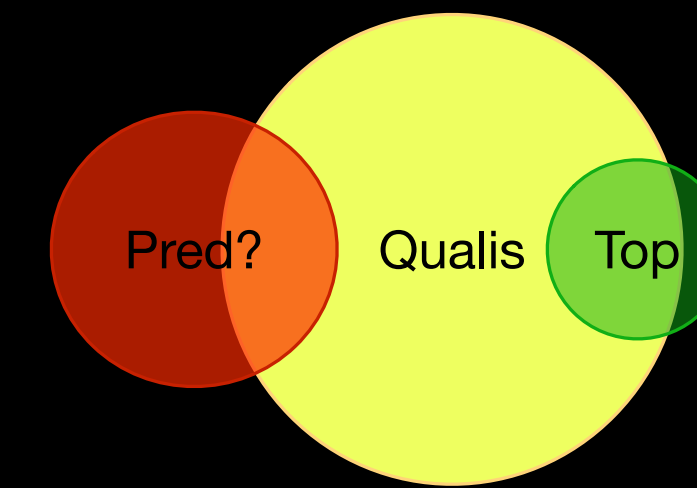
Goals as a researcher

Areas and topics

Institutional needs

...

But...



Avoid the red area by all means

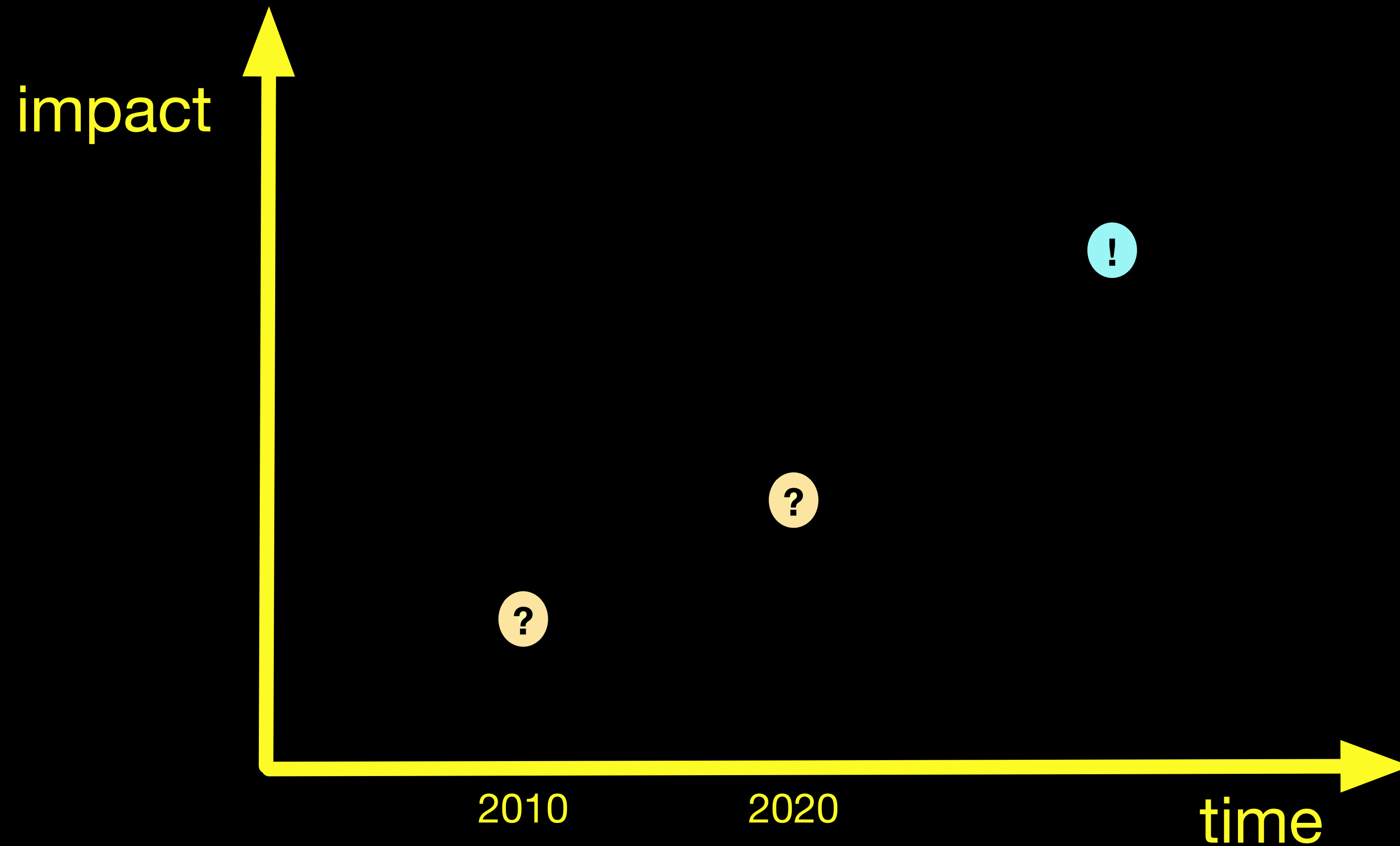
Move towards research excellence, plan for the green area

- better feedback to improve your research
- better impact and visibility, your work will reach more people
- better recognition and collaboration opportunities

Plan your journey, be open to learn and be criticized

- no need to go first to the best venues strategy
- does not imply a top publication per year, but at least a few in your career
- try, at least to learn values and to grow as a researcher

Find out where you are and where you want to go



Practices

Establishing a research routine

Focus first on becoming a solid researcher, and second on obtaining results

Research topic importance over popularity

Aim for simplicity

Read a lot!

Many industrial problems are not research problems, are accidents

Presenting your work

The quality of your presentation is as important as the quality of your work

Polish an interesting story

Example first, abstraction later

Have nice slides!

Practice a lot!

Writing your work

The quality of your writing is as important as the quality of your work

Polish an interesting story

Refine your story in a few abstraction levels

Have empathy with the reader

Give the reader the illusion of simplicity

Additional advice

Writing a resubmission/refutal letter

Announcing and publishing research results and materials

Reviewing a research paper

Starting an academic career

Warning!

**Se conselho fosse bom não era
de graça!**

Context matters! A lot!

Thank You!

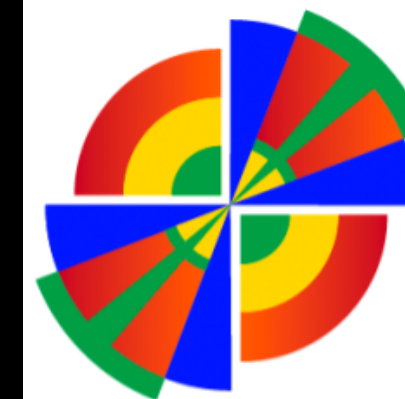
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