The Title of your Work*

Hans Gersbach
Center of Economics Research
at ETH Zurich
Zürichbergstrasse 18
8092 Zurich
Switzerland
hgersbach@ethz.ch

Name Surname
Center of Economics Research
at ETH Zurich
Zürichbergstrasse 18
8092 Zurich
Switzerland
yourmail@ethz.ch

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Abstract

[1] **(Context)** In the oceans, ubiquitous microscopic phototrophs (phytolankton) account for approximately half the production of organic matter on Earth, thus affecting the abundance and diversity of marine organisms and strongly influencing climate processes. **(What we have)** Analyses of the satellite-derived phytoplankton concentration (available since 1979) have suggested decadal fluctuations linked to climate forcing, but the length of this record is insufficient to resolve longer-term trends. **(What we want)** To estimate the time dependence of phytoplankton biomass since the beginning of oceanographic measurements in 1899, **(Task)** we combined available ocean transparency measurements and in situ chlorophyll observations. **(Object of the document)** This paper presents the trends we identified at local, regional, and global scales. **(Findings)** We observed declines in eight out of ten ocean regions, and estimated a global rate of decline of 1% of the global median per year. Our analyses further revealed interannual to decadal phytoplankton fluctuations superimposed on long-term trends. These fluctuations are strongly correlated with basin-scale climate indices, whereas the long-term declining trends are related to increasing sea surface temperatures. **(Conclusion)** In conclusion, global phytoplankton concentration has definitely declined over the past century; **(Perspectives)** this decline will need to be considered in future studies of marine ecosystems, geochemical cycling, ocean circulation, and fisheries.

Keywords: key1, key2, key3

JEL Classification: code1, code2, code3

*Be nice!

[1] Copied from Boyce et al. (2010) with comments and a note form *Nautre Education*: With just under 200 words, this abstract can convey the motivation for and outcome of the work with some accuracy, without intimidating readers by its length.

1 Example text

1.1 Sentence ends with formula followed by new paragraph

Donec pede justo, fringilla vel, aliquet nec, vulputate eget, arcu. In enim justo, rhoncus ut, imperdiet a, venenatis vitae, justo.

Nullam dictum felis eu pede mollis pretium. Integer tincidunt. Cras dapibus. Vivamus elementum semper nisi. Aenean vulputate eleifend tellus

$$\exp\{-i\pi\} + 1 = 0. \tag{1}$$

Aenean leo ligula, porttitor eu, consequat vitae, eleifend ac, enim. Aliquam lorem ante, dapibus in, viverra quis, feugiat a, tellus.

Theorem 1 (Optional theorem title)
Nam eget dui. Etiam rhoncus. Maecenas tempus, tellus eget condimentum rhoncus, sem quam semper libero, sit amet adipiscing sem neque sed ipsum.

Nam quam nunc, blandit vel, luctus pulvinar, hendrerit id, lorem.

1.2 Ongoing sentence with sequence of formulas

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis, ultricies nec

$$\exp\{-i\pi\} + 1 = 0, \tag{2}$$

pellentesque eu

$$E = mc^2, \tag{3}$$

pretium quis, sem. Nulla consequat massa quis enim. Donec pede justo, fringilla vel, aliquet nec, vulputate eget, arcu. In enim justo, rhoncus ut, imperdiet a, venenatis vitae, justo.

2 Introduction

Motivate your work! Define the gap your contribution closes.

3 Literature Review

Always cite your favorite authors, like Gersbach and Rochet (2017).

4 Model

Assumption 1

Whatever you want!

5 Analysis

Some introductory text...

Proposition 1

content...

6 Conclusion

Wrap it up. Summarize the issue. Highlight your contribution again. Introduce possible extensions.

References

Boyce, D. G., Lewis, M. R., and Worm, B. (2010). Global phytoplankton decline over the past century. *Nature*, 466(7306):591–596.

Gersbach, H. and Rochet, J.-C. (2017). Capital Regulation and Credit Fluctuations. *Journal of Monetary Economics*, 90:113–124.

A Proofs

The Proofs start on a new page. This section gives the extensive proofs to preceding propositions.

Proof to Proposition 1. Go hard! ■