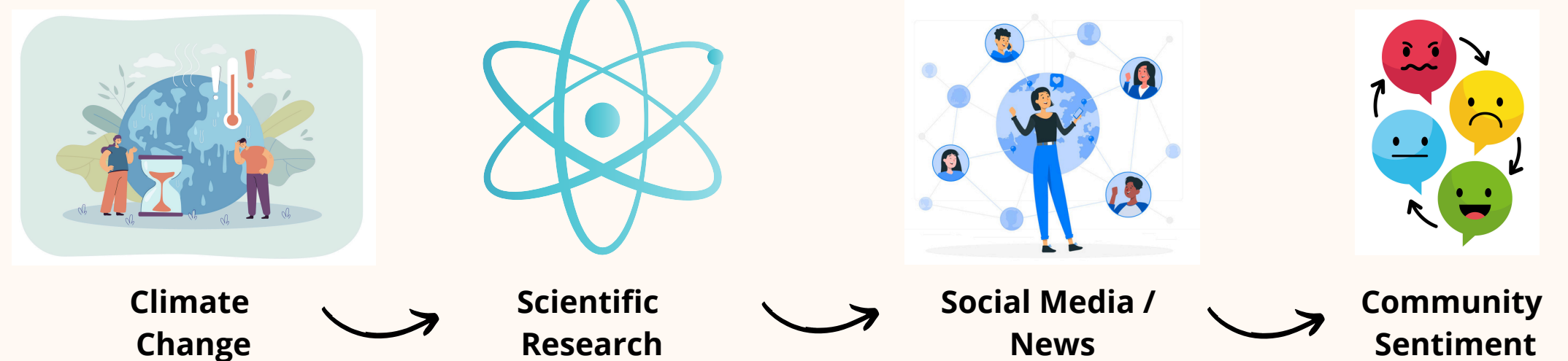


INTRODUCTION

The world is shifting towards the adoption of sustainable practices.¹ Meanwhile, sustainable materials communication remains a challenge.² Some studies highlight the role of media and its influence on public perception, but little emphasis has been placed on scientific articles in this sense.³ The way articles are written, might simultaneously impact social media and public perception.⁴

EVENT COMMUNICATION



OBJECTIVES

🔍 **Explore** sentiment levels through **scientific articles** and **Reddit comments** related to **bioplastics**.

🔍 **Understand** if there is any related **pattern** between **articles** and **Reddit sentiment** over the **years**.

PRELIMINARY RESULTS

Fig. 1 - Average Sentiment Scores for Reddit and PubMed (Positive and Negative).

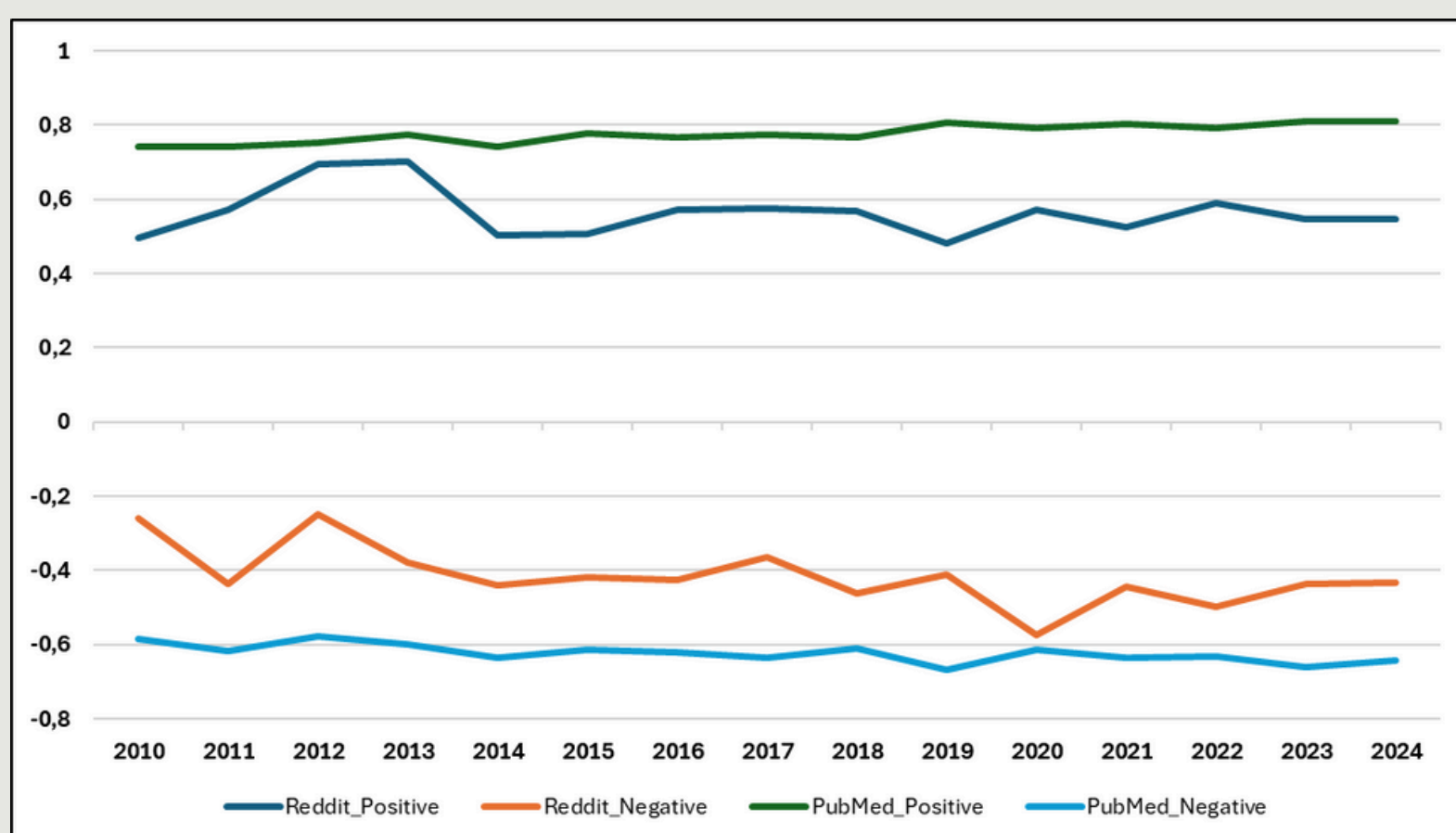
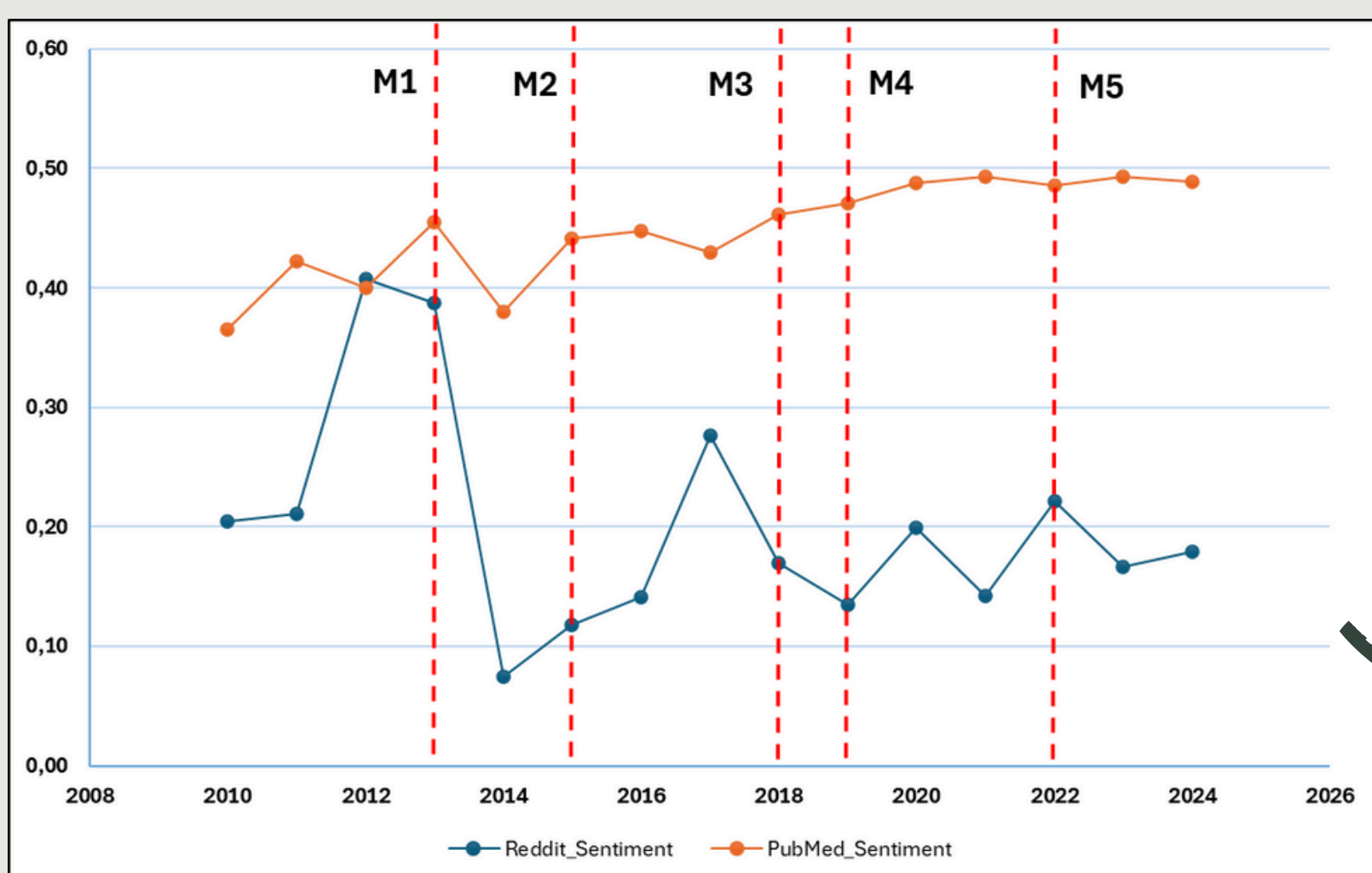
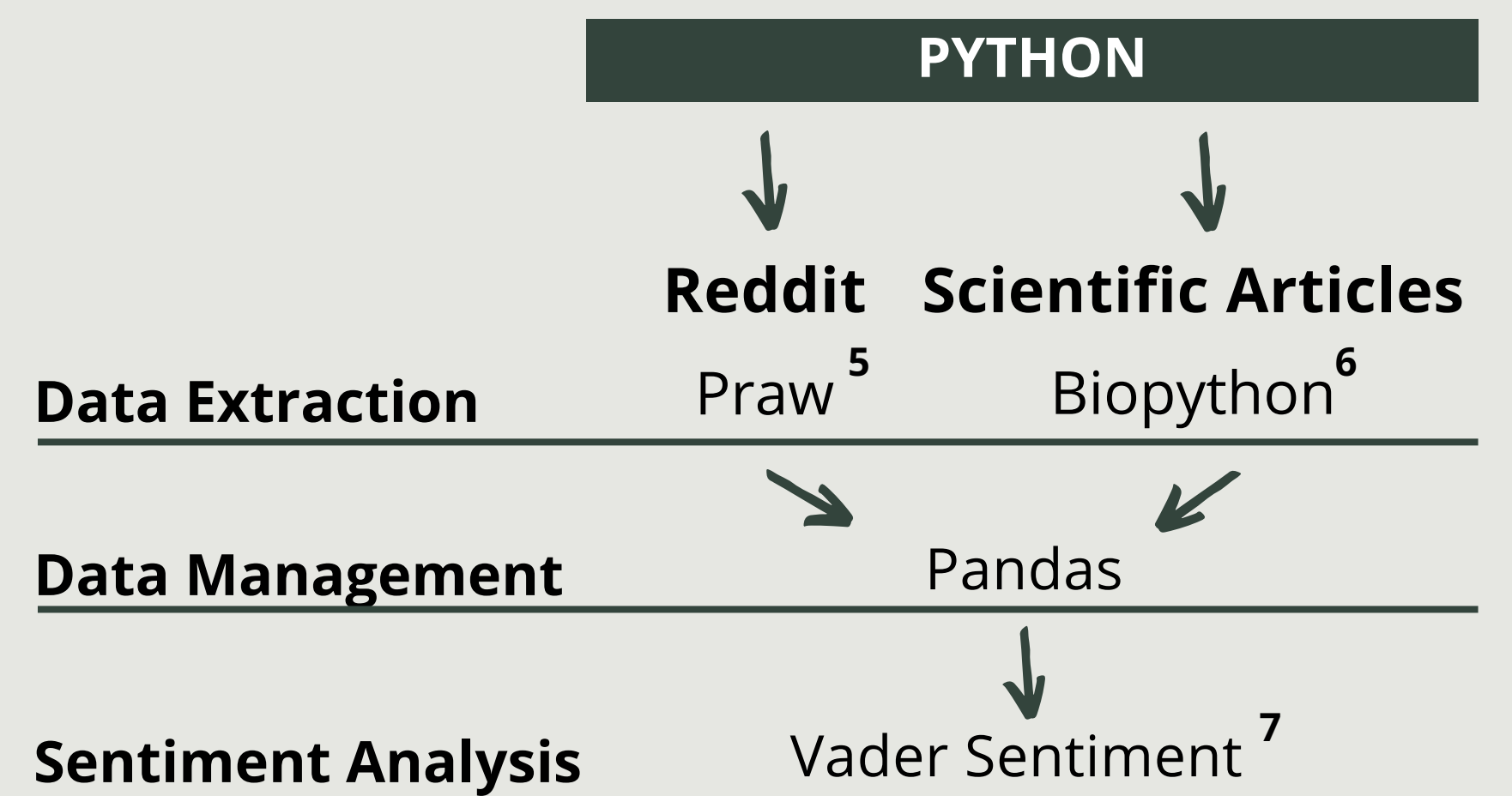


Fig. 2 - Sentiment Comparison: Reddit vs. PubMed (2010-2024).



- M1** - United Nations Conference on Sustainable Development (Rio+20).
- M2** - Establishment of the Paris agreement, creation of the 2030 Sustainable Development Goals Agenda and adoption of circular economy action plan.
- M3** - European Union plastics strategy.
- M4** - Presentation of the European Green Deal.
- M5** - Policy framework for biobased, biodegradable and compostable plastics.

METHODS



DISCUSSION

Overall results suggest that scientific articles might have an important contribute in explaining public perceptions variances.

FINDINGS

- Time-related bioplastics events can be related to fluctuations in articles and Reddit users sentiment.
- Overlap between articles sentiment and Reddit users sentiment over the years.
- Articles showed higher levels of sentiment (positive and negative) compared with Reddit users.
- Negative sentiment articles can predict variances in positive and overall sentiment among Reddit users.

FUTURE RESEARCH

- ➔ Compare users sentiment in other social network platforms.
- ➔ Explore social media role together with articles in predicting public sentiment.

REFERENCES/OTHER INFORMATION

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