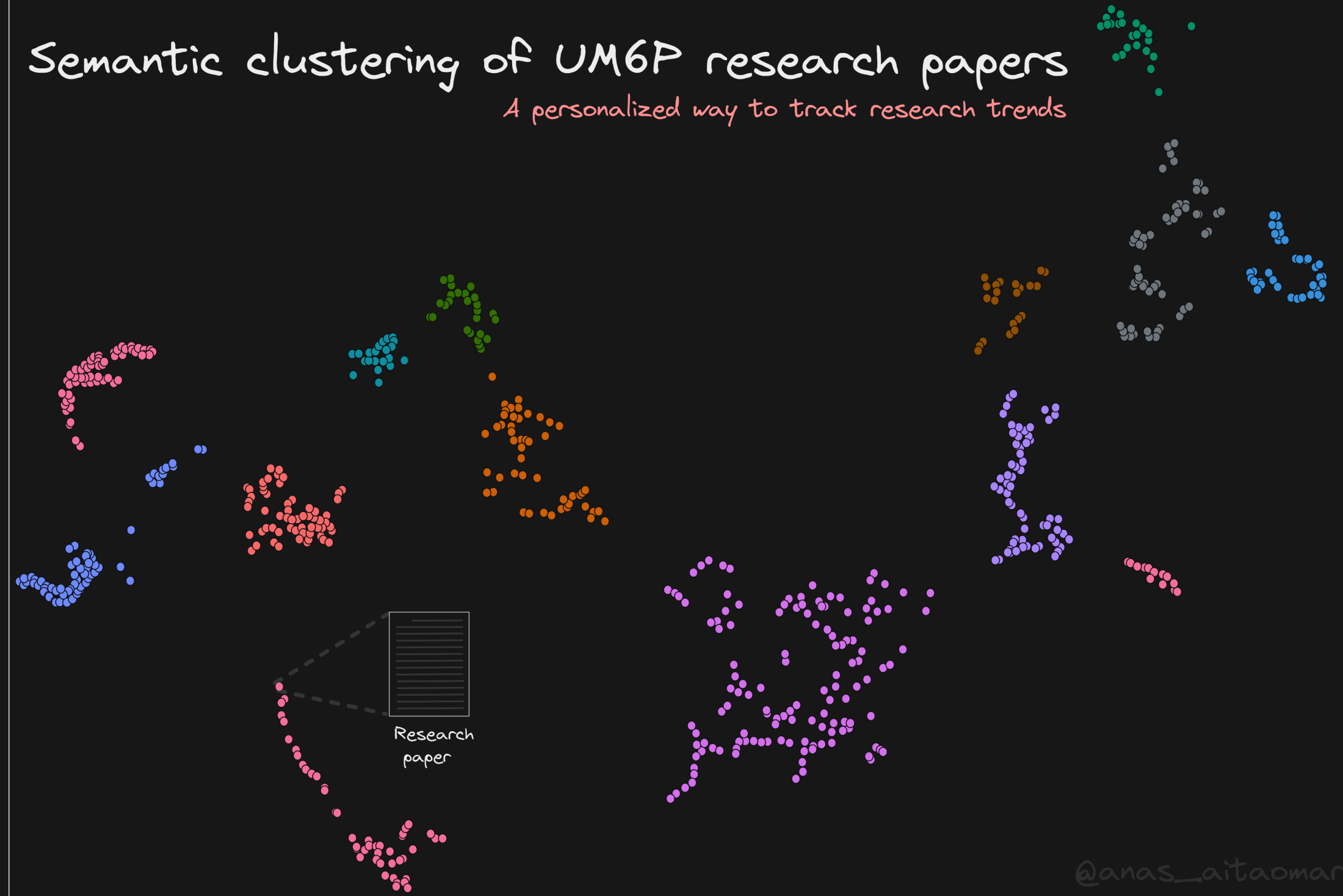
Semantic clustering of UM6P research papers

A personalized way to track research trends



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Each cluster group papers sharing the same research focus

This personalized research topics
relate to the research agenda of UM6P

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How does semantic clustering help?

A more interpretable and focused growth analysis

Traditional research taxonomy

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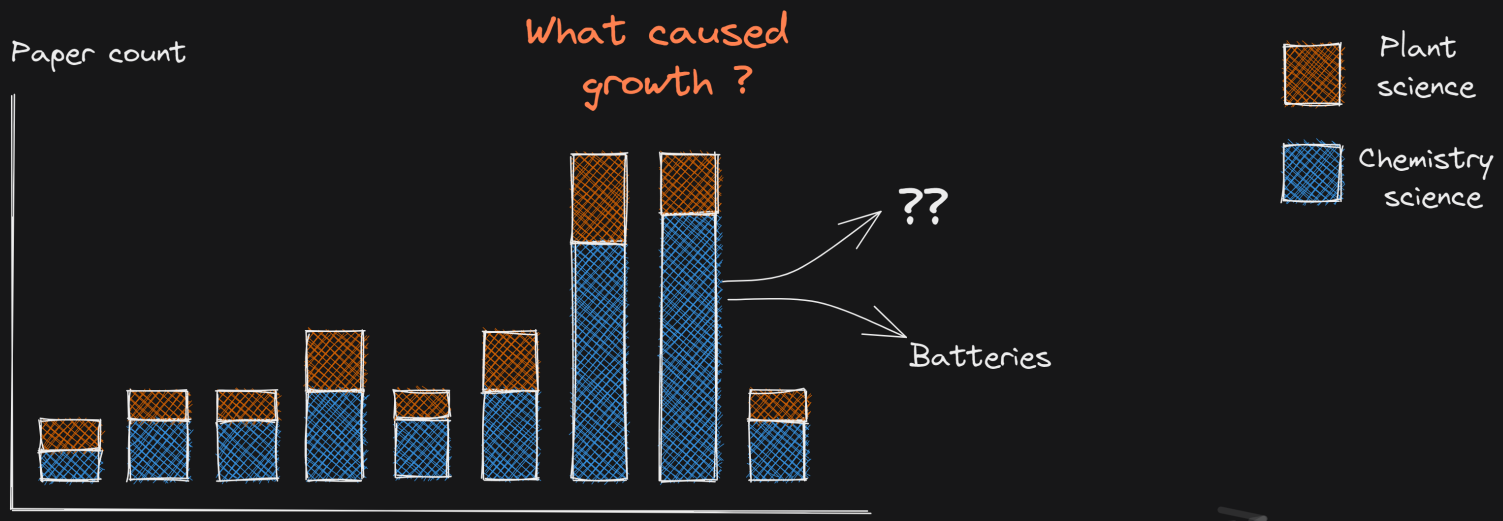
An aggregated view



Data driven taxonomy

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Enable more focus on specific research communities

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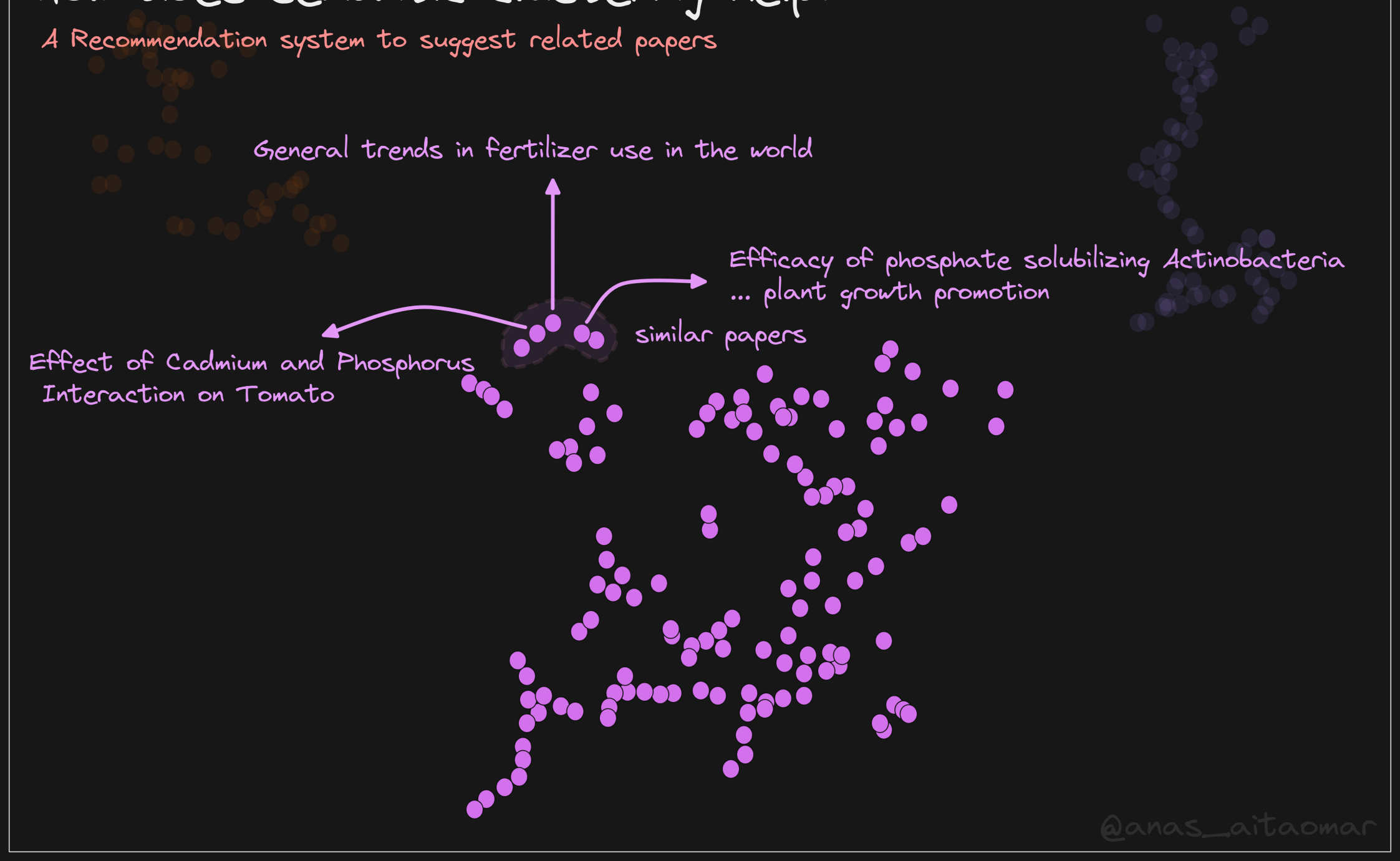
How does semantic clustering help?

A Recommendation system to suggest related papers



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How it works ?

Doc Embedding

Using a pre-trained transformer

@allenai-specter

Research paper

Vector representation

Dimension reduction

Using Umap

768 dimensions

2D vector

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