



# Solving the complexity crisis with one-size-fits-one communication

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# Three Questions Authors Struggle to Answer



- Can I publish in this (OA) journal?
- How much will I need to pay?
- If I'm not paying, then who is?



# Contents



- OA at T&F
- Origins of complexity in author decision making
- The complexity crisis
- Solutions to the complexity crisis and how microservices can help
- Our experience at T&F





# About Me

- Open Access Operations & Research Manager
- Day-to-operations
- Technology projects

“We will make it as easy as possible for researchers, societies, institutions, funders and governments to achieve their open scholarship aims”



# Open Access at T&F



2014	Today
7k OA articles online	64k OA articles online
34 full OA journals	159 full OA journals
1.8k hybrid journals	2.4k hybrid journals
2 people	14 people



# Origins of Complexity - Internal



Causes of complexity at journal level:

- Variety of models
- Legacy agreements
- Society requirements
- License choices
- Article types



# Origins of Complexity - External



Causes of complexity at author level:

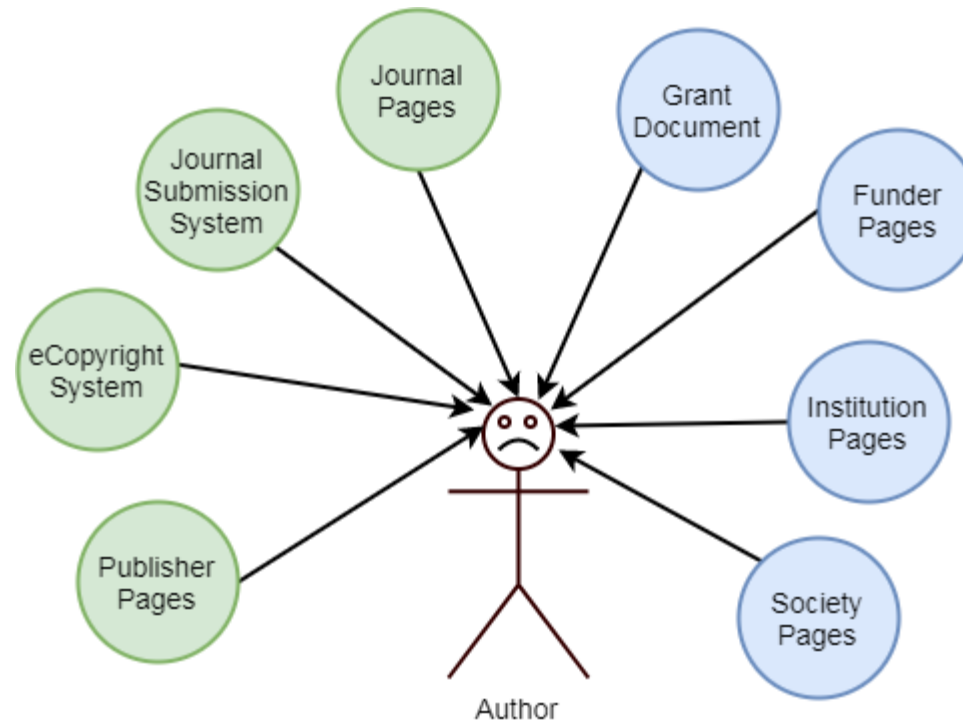
- Funder requirements
- Institutional requirements
- Prepayment agreements
- OA sales agreements
- Society membership





# The Complexity Crisis

- Can I publish in this journal?
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# The Complexity Crisis

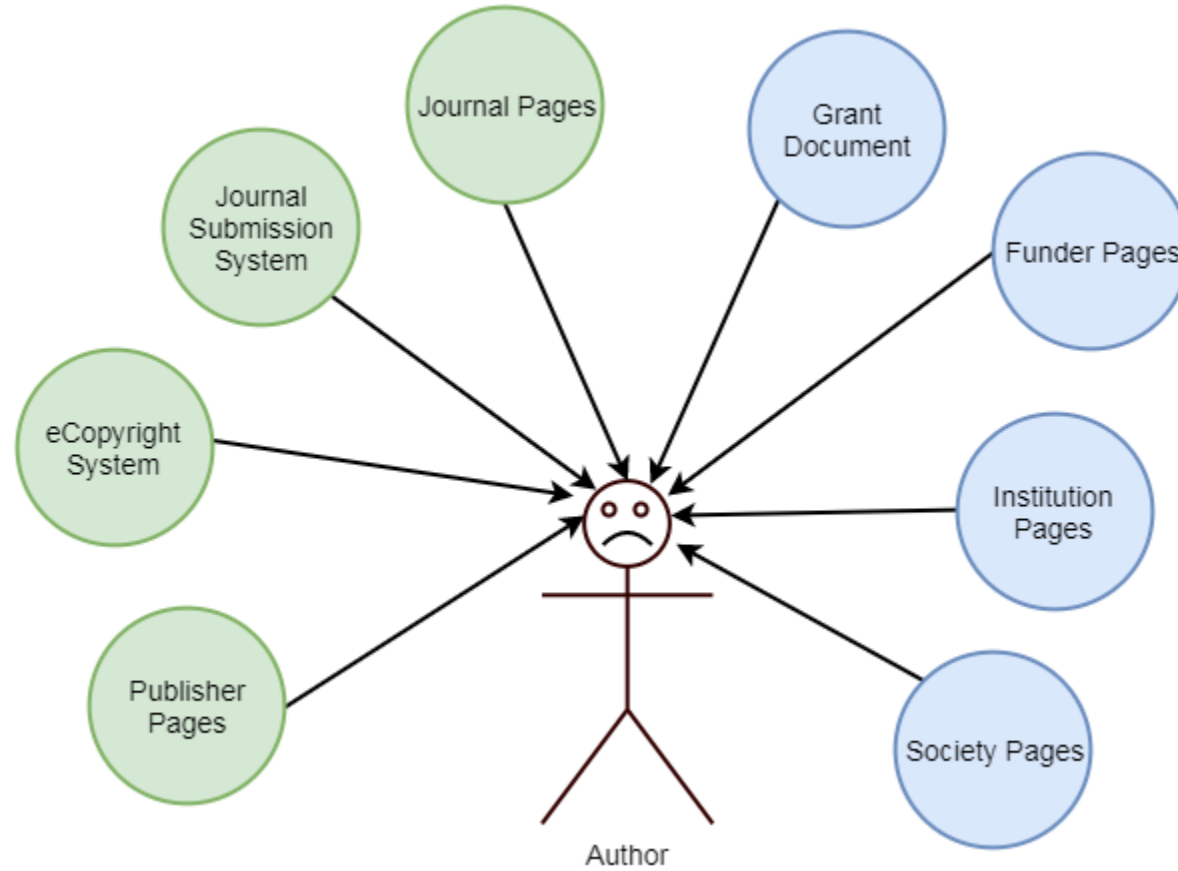


- It's our job as a publisher to solve this
- “Education” doesn't work





# Naïve Solutions



# Naïve Solutions



## Publication Charge

\* All articles published by [redacted] are fully open access: immediately freely available to read, download and share. To cover the cost of publishing, [redacted] charges a publication fee.

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# One-Size-Fits-One Communication



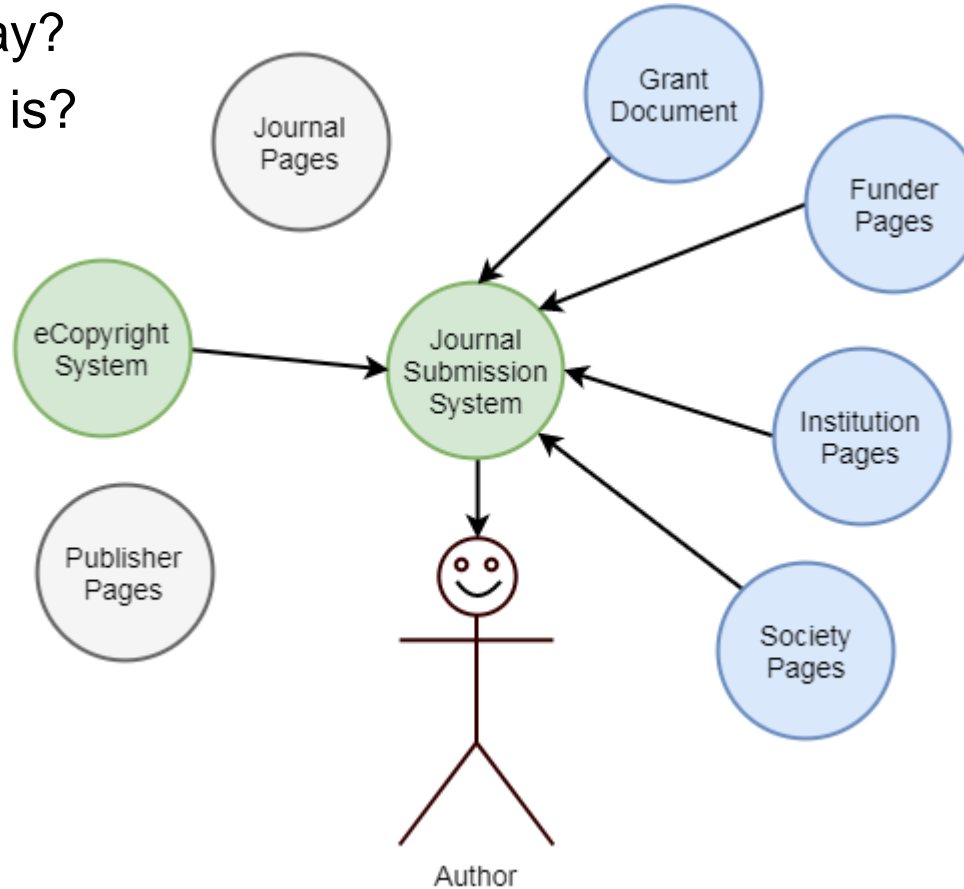
- Minimize the number of decisions authors need to make
- Share the minimum amount of information they need to make those decisions – at the right time
- Have everything in one place





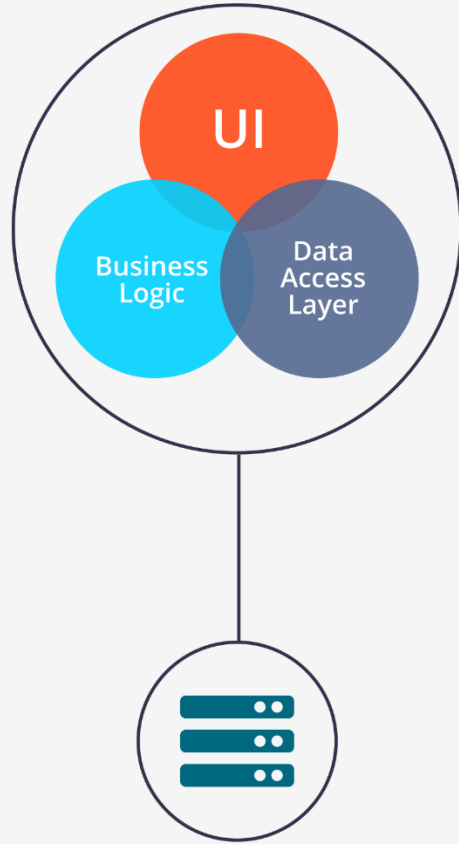
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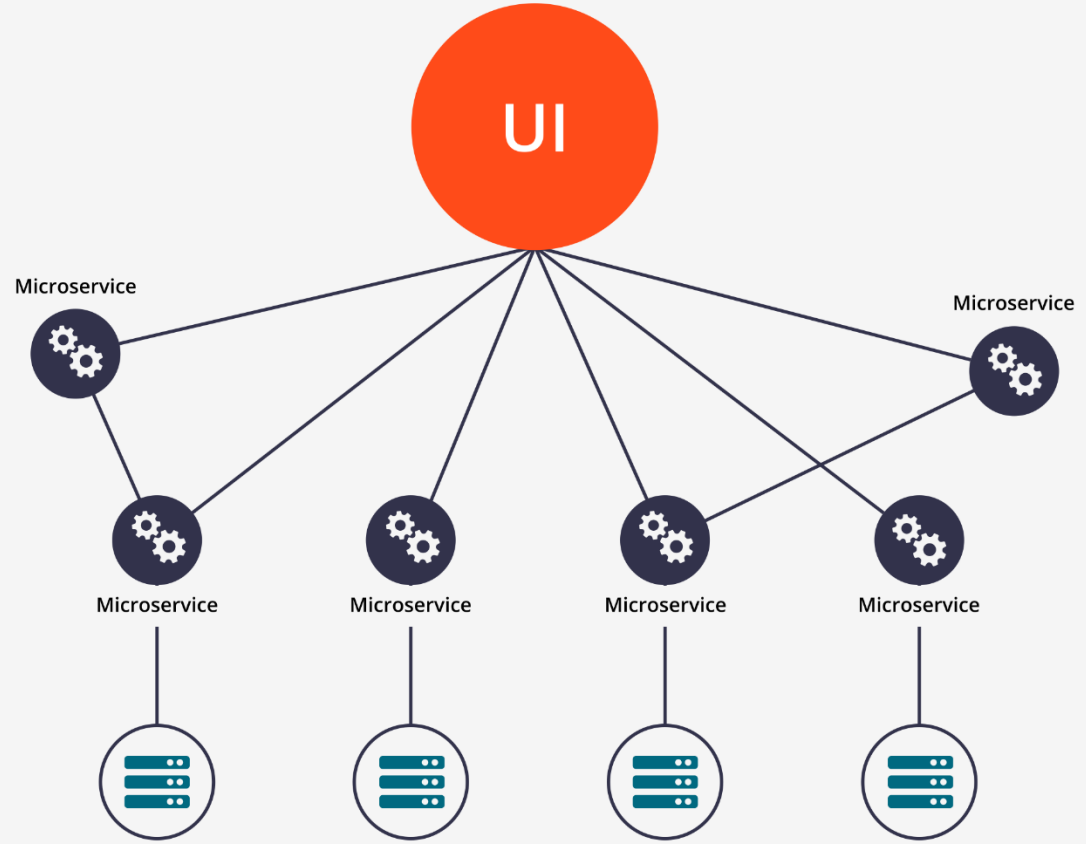




# Microservices



Monolithic Architecture



Microservice Architecture

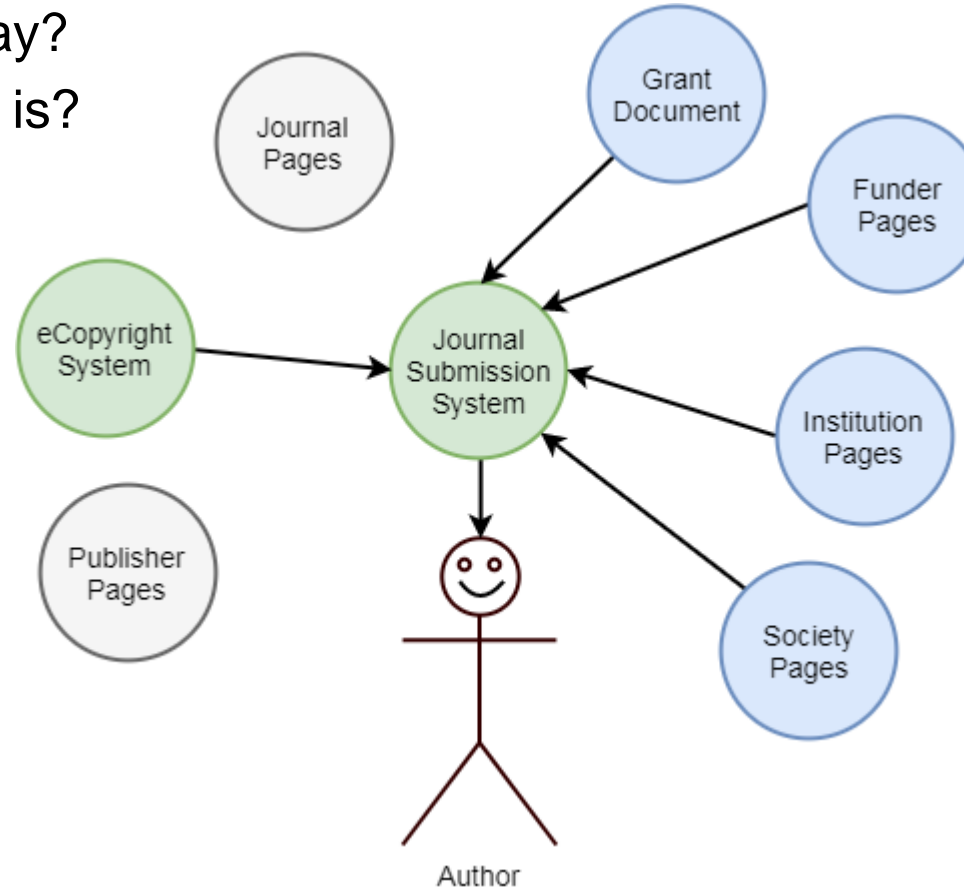




# One-Size-Fits-One Communication



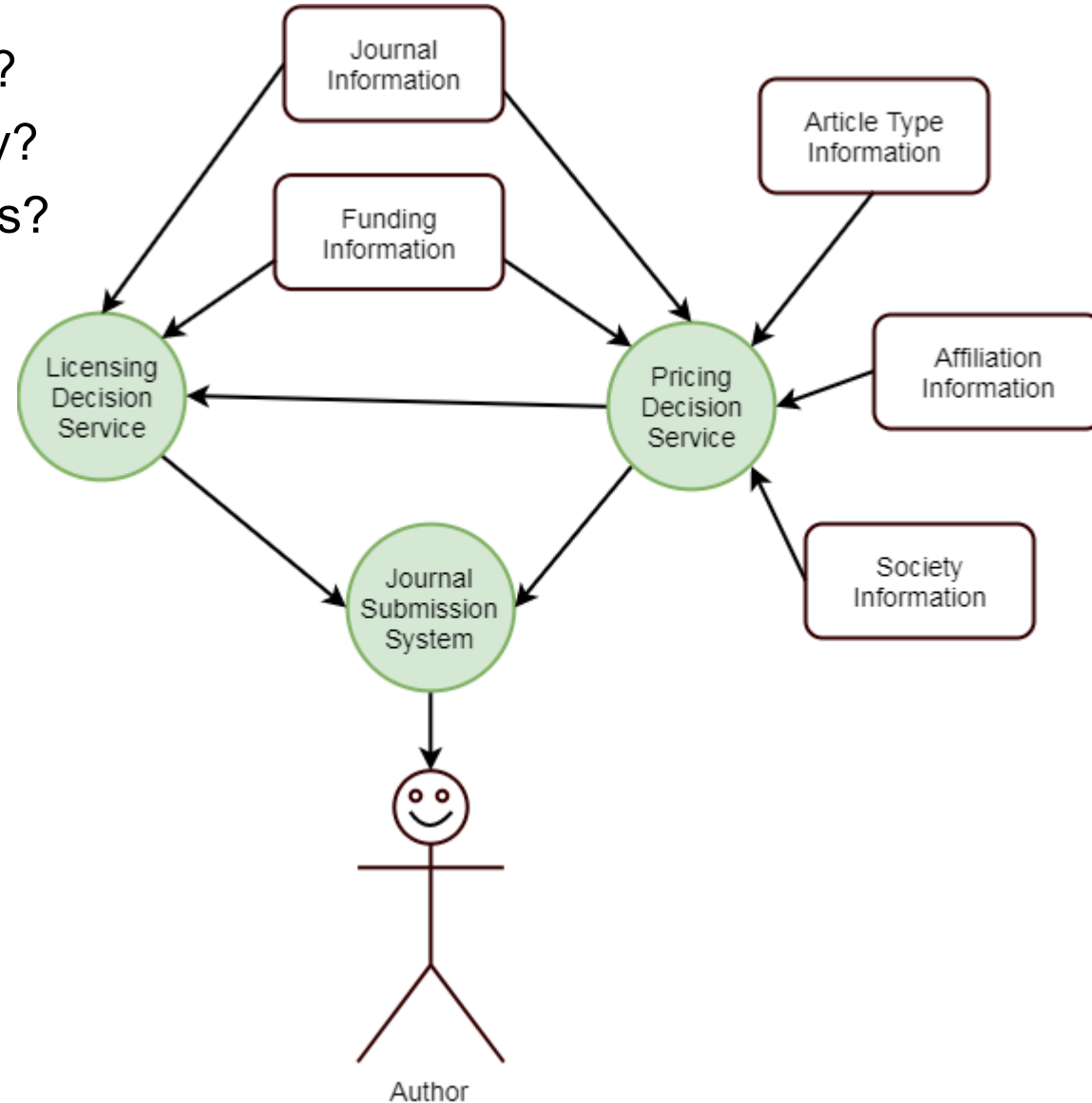
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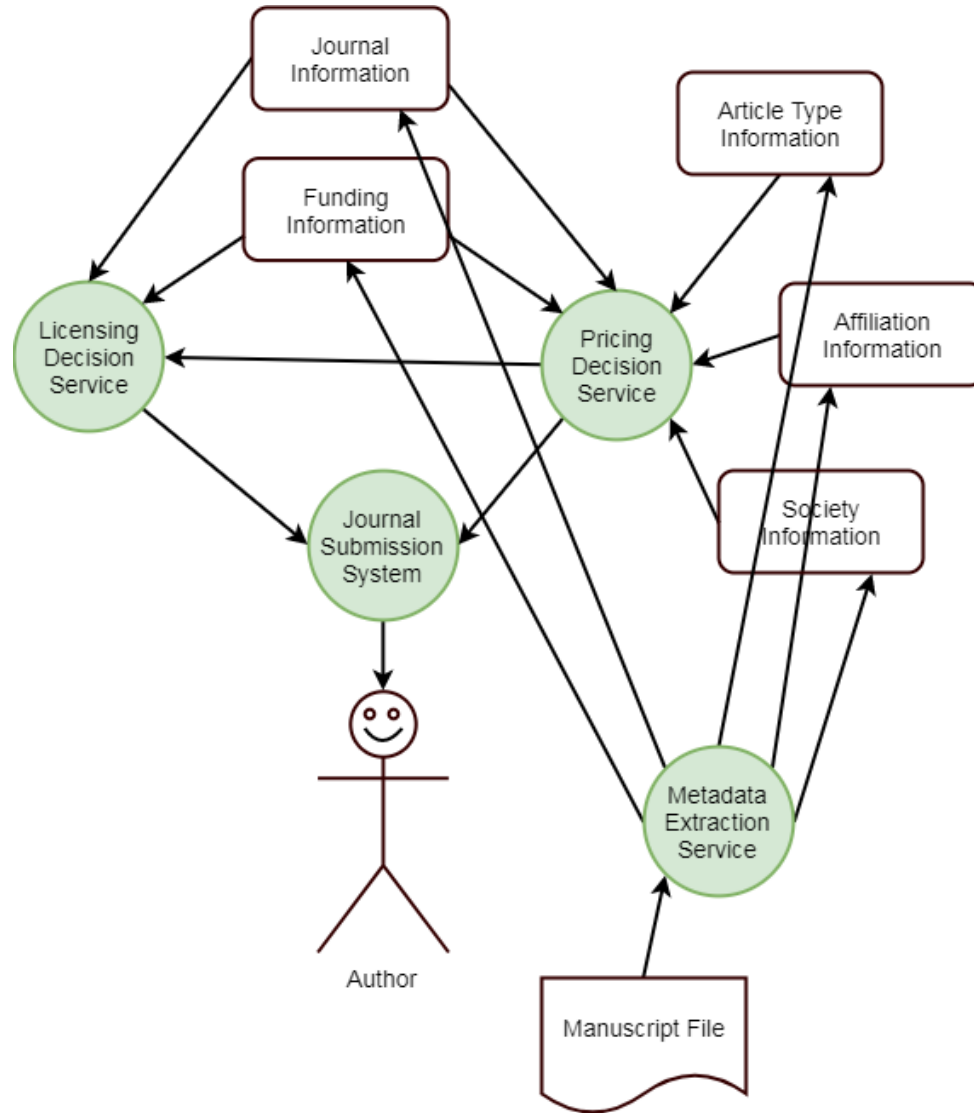
# Microservices

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# Microservices



# Challenges and Lessons



## Practical:

- Determining affiliation
- Getting the right funding information
- Prepayment accounts
- Article types

## Delivery:

- Finding the right vendors/building in-house expertise
- Aligning delivery across agile teams
- Developing integrations with live systems



# Where We Are



- Still relatively early days
- Submission front-end: microservice hub live and rolling out
- Pricing decision service: MVP launching soon
- Licensing decision service: exists, but built pre-microservice architecture





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an informa business

Thank You!

