

# A COLLABORATIVE WAY TOWARDS OA: SUBSCRIBE TO OPEN (S2O)



Uta Grothkopf

Library and Information Centre, European Southern Observatory (ESO)

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## SETTING THE SCENE

### European Southern Observatory (ESO)

- Inter-governmental organization
- Design, construct, operate state-of-the-art ground-based telescopes to enable front-line research in astronomy
- Headquarters near Munich, Germany, telescopes in Chile

### Work culture in astronomy

- Observatories typically in remote places
- Historically often "solo librarians"
- Community (researchers and librarians) closely connected
- Tradition of sharing and exchange (papers, data, code...)

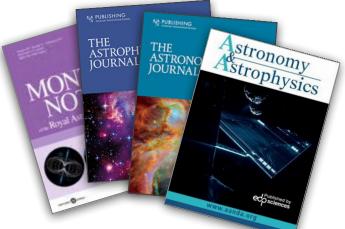




## PUBLISHING IN ASTRONOMY

### Core Journals

- Four journals > 35% of refereed literature
- Governed by Learned Societies, published by commercial publishers
  - American Astronomical Society (AAS) / IOP Publishing
  - Royal Astronomical Society (RAS) / Oxford Univ. Press
  - European Southern Observatory (ESO) / EDP Sciences



Community of researchers strongly influences publishing developments

### Read Access



Wide-spread use of Green OA (arXiv/astro-ph)

Core journals digitised and freely available back to vol. 1



Publishers provide temporary access to selected recent articles



Access to core journal content often one year after publication

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- Open Access is here to stay; "free to read" is not OA
- Implement FAIR principles:
  Findable / Accessible / Interoperable / Reusable
- Funders increasingly demand research from their grants to be OA
- OA is good science practice and brings many societal benefits; astronomy is not (should not be) outside of "industry standards"



**F/IR** 







## WHY FURTHER OA REGULATIONS?



## THE PATH TOWARDS OA

Some thoughts from key players



#### **Publishers:**

flip to OA must be long-lasting (sustainable) with reliable partners



#### **Readers:**

prefer access to as many articles as possible (multi-disciplinary research)



#### Authors:

want the move to OA to be seamless and non-disruptive ("Diamond OA")

#### Libraries:

cannot afford rising subscription (or APC) costs; support collaborative OA

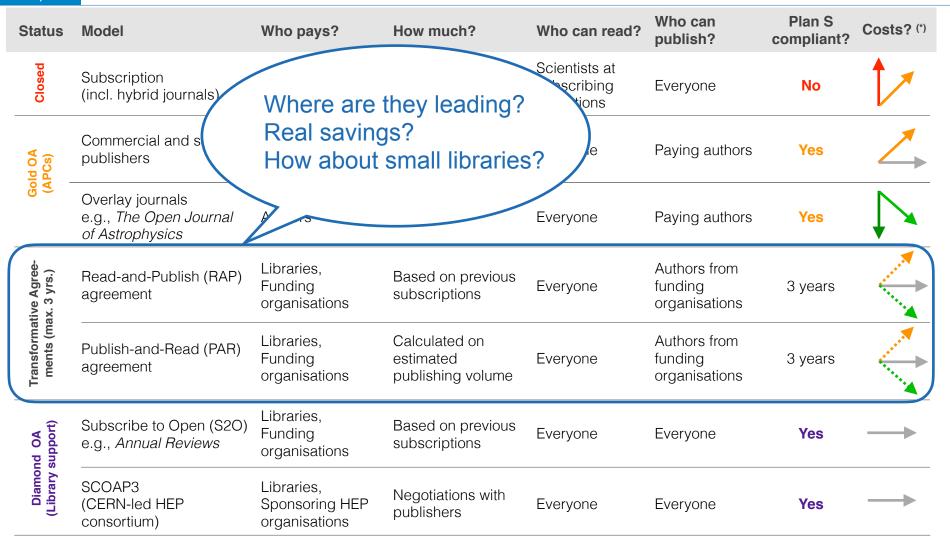




Status	Model	Who pays?	How much?	Who can read?	Who can publish?	Plan S compliant?	Costs? (*)
Closed	Subscription (incl. hybrid journals)	Libraries	Too much	Scientists at subscribing institutions	Everyone	No	
Gold OA (APCs)	Commercial and society publishers	Authors	Depends on publisher	Everyone	Paying authors	Yes	$\checkmark$
	Overlay journals e.g., <i>The Open Journal</i> of Astrophysics	Authors	Very little	Everyone	Paying authors	Yes	
Transformative Agree- ments (max. 3 yrs.)	Read-and-Publish (RAP) agreement	Libraries, Funding organisations	Based on previous subscriptions	Everyone	Authors from funding organisations	3 years	*******
	Publish-and-Read (PAR) agreement	Libraries, Funding organisations	Calculated on estimated publishing volume	Everyone	Authors from funding organisations	3 years	
Diamond OA (Library support)	Subscribe to Open (S2O) e.g., <i>Annual Reviews</i>	Libraries, Funding organisations	Based on previous subscriptions	Everyone	Everyone	Yes	$\rightarrow$
	SCOAP3 (CERN-led HEP consortium)	Libraries, Sponsoring HEP organisations	Negotiations with publishers	Everyone	Everyone	Yes	

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\* The estimated cost evolution reflects the personal opinion of the author.



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	PUDIISII-AUO-ReaO	Currently based on grants and volunteer effort. Is it sustainable?		ryone	Authors from funding organisations	3 years	
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## WHY SUBSCRIBE TO OPEN (S2O)?

### Disclaimer

• Member of the S2O Community of Practice (<u>subscribetoopencommunity.org</u>)

### Advantages

Model

- Collaborative, predictable, transparent model
  - Can be implemented fast, is **long-lasting (sustainable)**
- Library Uses existing infrastructure (budget handling, licensing, communication scientists and publishers, advice on recent developments, metrics)
  - Reflects independence of small libraries, corresponds to information needs of specialised research community

Researchers **High acceptance** expected among astronomers (Diamond OA)

