

# The Open Access Model of Meteorologische Zeitschrift and other meteorological journals

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**Why Open Access?**

**Open Access models**

**Optional Open Access Model of Meteorologische Zeitschrift**

**Comparison to other meteorological journals**

**First estimates on the impact of Open Access**

**Problems in financing Open Access**

**Consequences**

**Outlook**

- **The internet is main research engine for scientific publications today**
- **Increase of visibility**
- **Ease of scientific cooperation**
- **Pressure by some funding agencies**

- **Green way**

**Secondary publication in an institutional repository**

**(often conflicting with copyrights ...)**

- **Golden way**

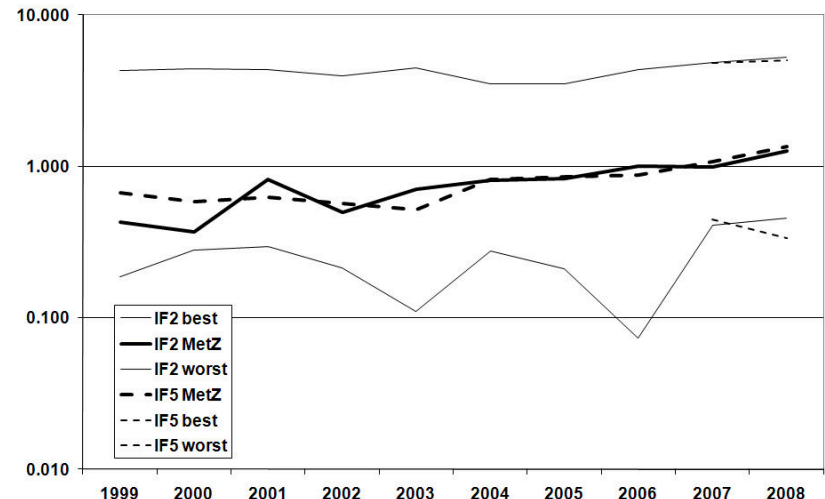
**Publication in an Open Access Journal**

**(usually requires financial resources,  
shifts publication costs from readers to authors)**

- **printed journals with Open Access option**

- **new electronic journals**

- founded in 1866 (Austria) /1884 (Germany), merged 1886, discontinued 1944, re-founded 1992 (Austria / Switzerland / Germany)
- Austrian Society for Meteorology / Swiss Society for Meteorology / German Meteorological Society
- Publisher: Gebrüder Borntraeger Berlin Stuttgart
- all papers in English / 6 issues a year / roughly 900 pp. a year
- on-line submission and review
- steadily increasing impact factor (doubling in the last five years)
- Optional Open Access



**The author (or its institution) can choose between:**

**classical publication**

**first six printed pages free, €150 for each additional page, colour image fees, 20 free reprints or pdf for personal use (forward on request only)**

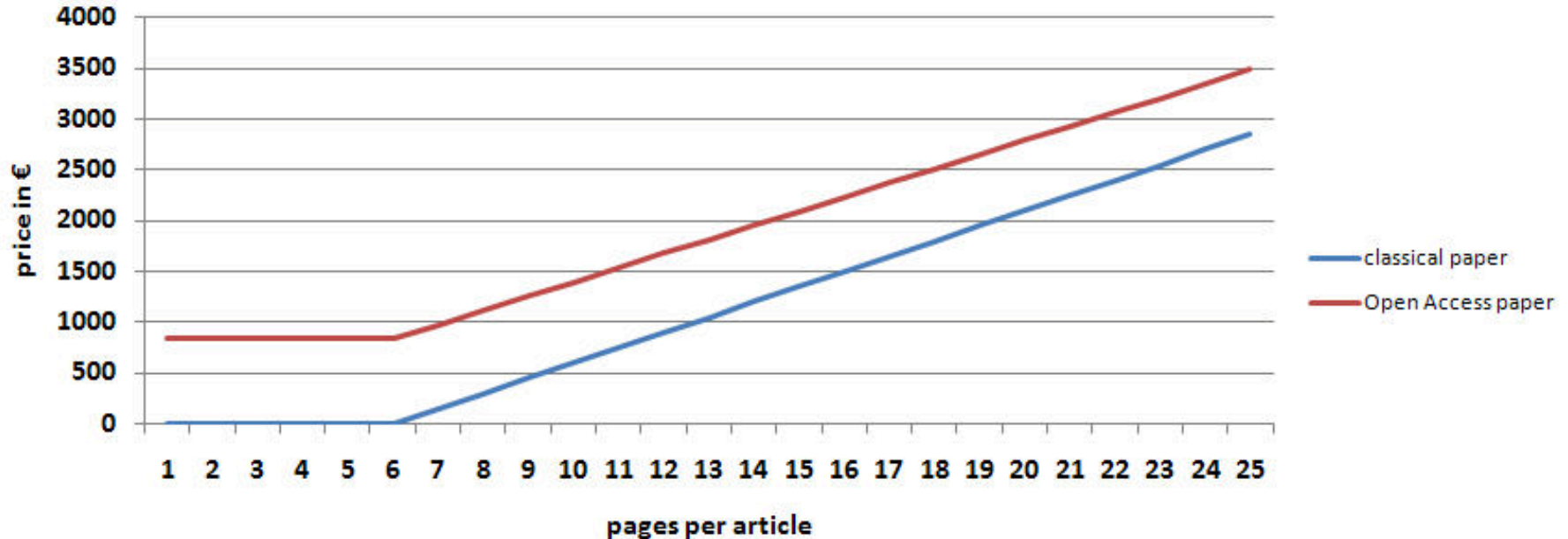
**Open Access publication**

**€139.5 for each page (minimum fee €836), colour image fees, free pdf, no free reprints**

**(reduced prices for paid special issues)**

**(VAT to be added if applicable)**

### publication cost models of MetZet for normal issues (excl. VAT)



**Meteorologische Zeitschrift is offering special issues on special occasions**

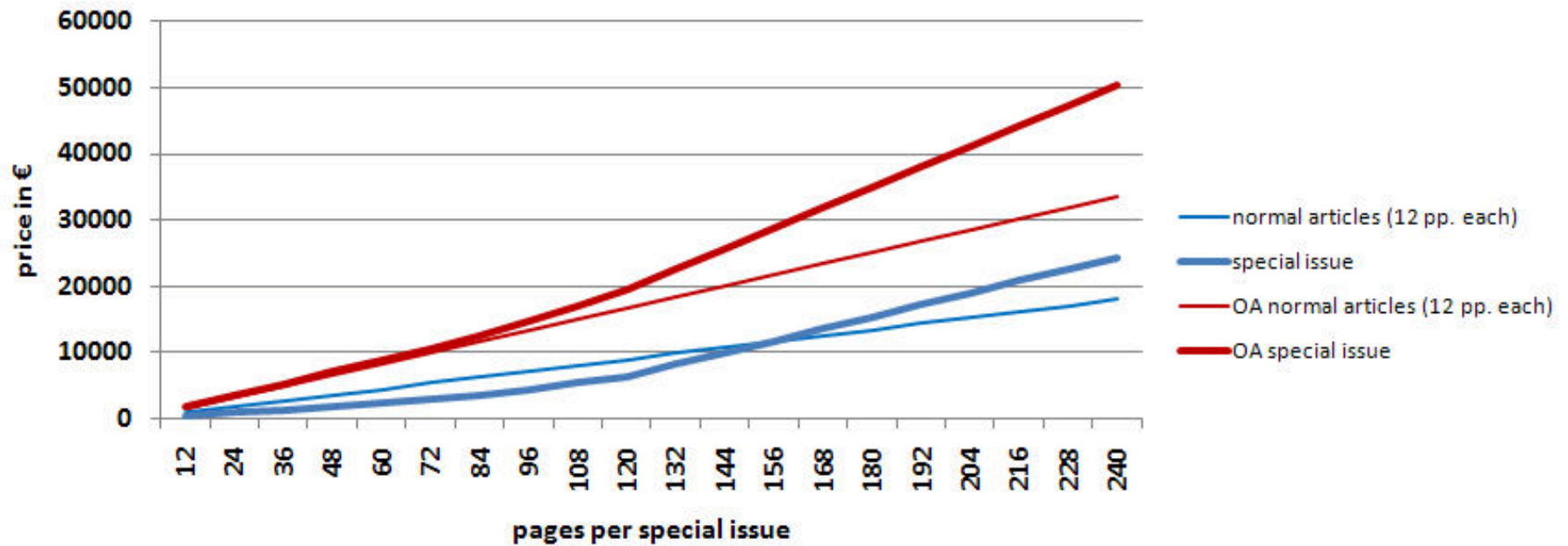
**fees paid by organizer of special issue (e.g., from conference fees)**

**Open Access in special issues is available for an  
additional fee of €108.40 per page paid by organizer  
or author (or its institution)**

**(VAT to be added if applicable)**



publication cost models of MetZet for special issues (excl. VAT)



**Meteorologische Zeitschrift is in competition with other scientific journals which publish articles in meteorology and atmospheric sciences**

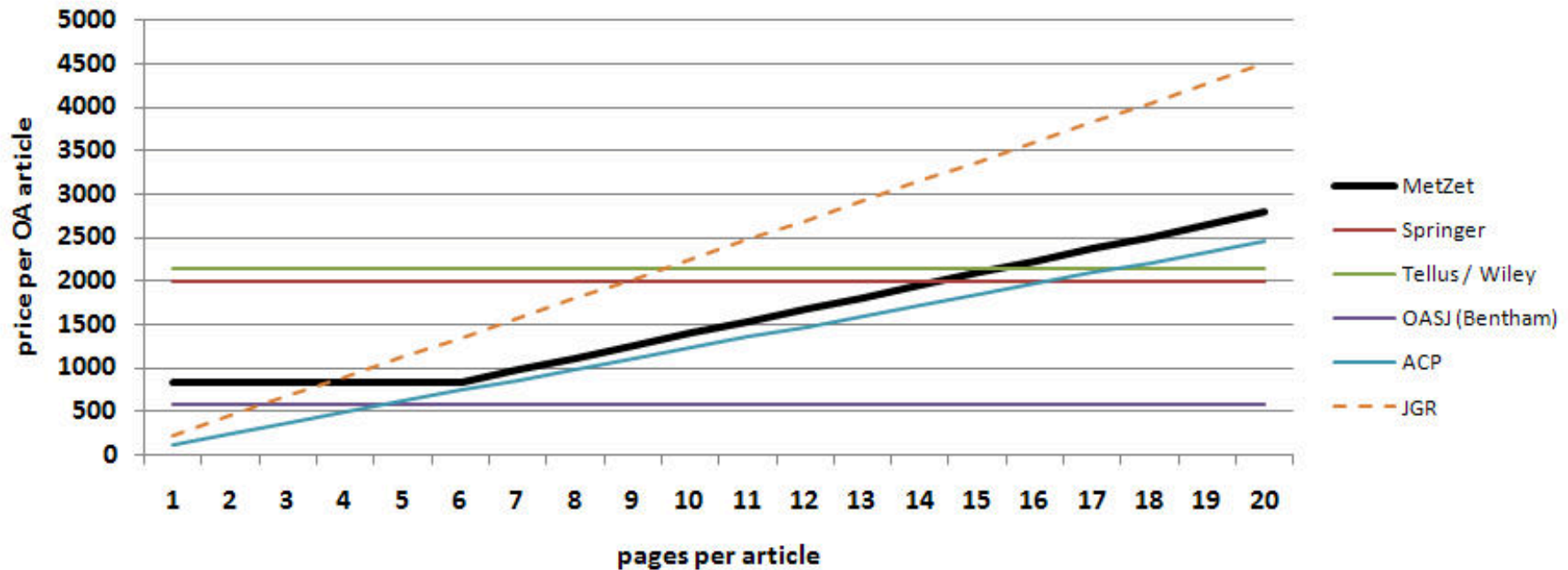
- **classical printed journals**
- **classical printed journals with Open Access options**
- **online journals with Open Access**

**Important factors in this competition:**

**scientific quality  
scientific reputation  
visibility (citations)  
quality of review  
duration of publication process  
language**

**subscription rate  
publication fees  
Open Access**

costs for OA article in different journals (excl. VAT)



publication year	number of papers + editorials	OA papers (without editorials)	total number of citations (as for June 2009)	citations per paper	number of citations to OA paper	citations per OA paper
2008	76 + 5	33 (43,4%)	99	<b>1.3</b>	59 (59,6%)	<b>1.8</b>
2007	70 + 5	3 (4,3%)	130	<b>1.9</b>	2 (1,5%)	<b>0.7</b>
2006	67 + 5	1 (1,5%)	230	<b>3.4</b>	35 (15,2%)	<b>35.0</b>
2005	83 + 4	3 (3,6%)	401	<b>4.8</b>	59 (14,7%)	<b>19.7</b>

- For an author:**
- **Open Access is more expensive**
  - **how is he supported (institution, funds)?**

**author has to change strategy in fund applications**

- For institutions:**
- **Open Access is (presently) more expensive**
  - **they pay for both: subscription and author fees**

**at least for those journals which offer both publication models in parallel presently**

**later: shift money from libraries to authors**

- For funding agencies:**
- **eligibility of applying for publication costs**

**additional cost category (comparable to travel expenses)  
(e.g.: DFG: €750 per year of project duration)**

- Consequences:**
- **research grants should include author fees in future**
  - **subscription rates of journals have to decrease**
  - **institutions have to switch from subscription to author support**
  - **classical journals with no Open Access will disappear**
  - **journal publishers will survive, if they offer Open Access**

**Outlook:**

**finally: the classical journal shelves in libraries will disappear and will be substituted by terminals with internet access**

**→ major cultural shift ...**

**→ serendipity will happen differently ...**

**Welcome to the new world ...**



**Thank you for your attention**



