

Easy reporting for diamond open access journals:

OA Switchboard API in the Beilstein Journals editorial workflow

Wendy Patterson & Christian Lange
Beilstein-Institut, Frankfurt am Main



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OASPA / OA Switchboard Webinar

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oaswitchboard

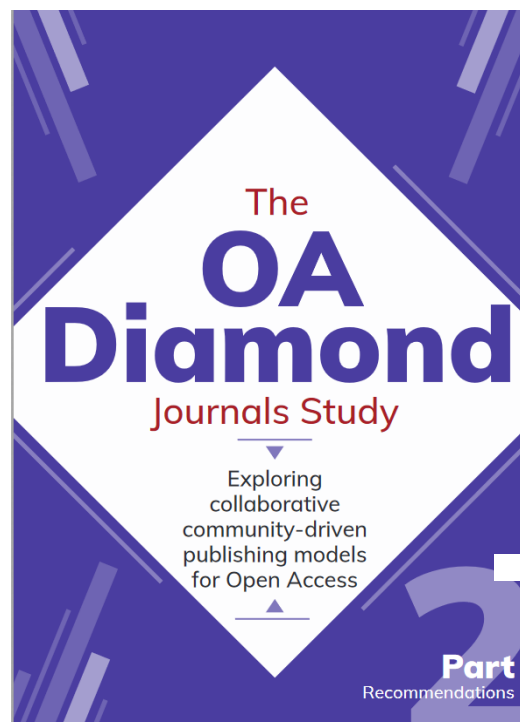
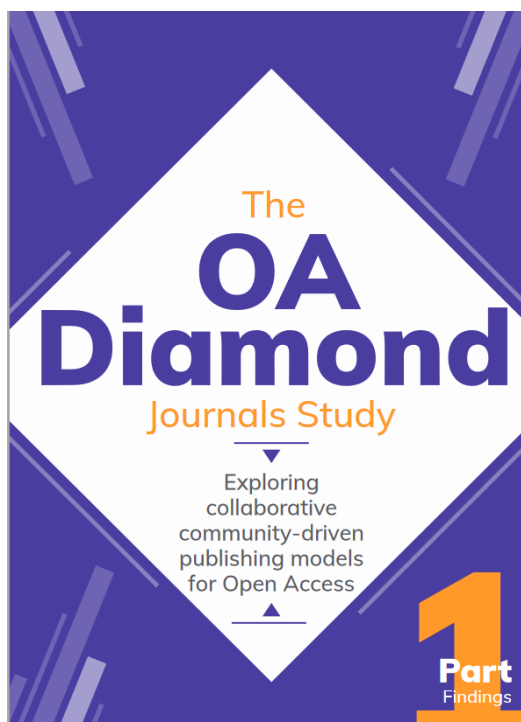


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- **Aim of our participation in OAS**
- Practical considerations
- Integration into our workflow
- Integration with the OAS API

Diamond unearthed: shining light on community-driven Open Access publishing



- Approximately **29,000 DOA journals** that publish approx. **44% of all OA publications**
- 70% of the OA journals in DOAJ are diamond OA
- Many struggle with technical and financial aspects; most all struggle with **visibility**
- Most are **very small**
- Are often published independent of a publisher
- Most appear to be scholar-led
- Sustainability: many in existence for decades with **very low running costs**

Findings Report – DOI: [10.5281/zenodo.4558704](https://doi.org/10.5281/zenodo.4558704)

Recommendations Report – DOI: [10.5281/zenodo.4562790](https://doi.org/10.5281/zenodo.4562790)

Why we participate in the OA Switchboard

- **Visibility:** communication of diamond OA status (i.e. 0 APCs) to libraries, funders and institutions via “P1 messages”
- **Inclusivity:** to be included in important discussions and infrastructure
- **Low barrier to entry/use:**
 - For us: only P1 messages are relevant for diamond OA journals; ROR was already in planning; easy one-time setup
 - For authors: doesn’t further burden authors
- **Contribute:** to be a part of and contribute to the scholarly publishing ecosystem
 - linking ROR identifiers for the community
 - Further assistance of diamond OA journals via development of further messages



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oaswitchboard



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- Aim of our participation in OAS
- **Practical considerations**
- **Integration into our workflow**
- **Integration with the OAS API**

Practical considerations

- Most important issue: obtaining ROR IDs
 - = recipient addresses in OAS
- No involvement of the authors in obtaining ROR IDs
 - = no hassle for the authors with third-party APIs in the submission process
 - = no need for authors to worry about the concept of ROR IDs
- ROR IDs are obtained during layout
 - = with data from the upcoming VoR
 - = no uncertainties regarding author affiliations
- One P1 message for each obtained ROR ID is sent to the OAS REST API
 - = no auto-CC by OAS

Integration into our workflow

- Beilstein Journals workflow completely based on XML
- All affiliations of a manuscript are kept in a separate list

```
<affiliation id="a1">Beilstein-Institut, Frankfurt am Main, Germany</affiliation>
```

= Affiliations are linked to the authors via attributes

```
<author first-name="Christian" last-name="Lange" affiliations="a1 a3"/>
```

- Each affiliation from the list is queried separately to the ROR REST API
- Retrieved ROR ID, institution name, and country are stored as child element `<institution>` of the `<affiliation>` element

```
<affiliation id="a1"> Beilstein-Institut, Frankfurt am Main, Germany
```

```
  <institution name="Beilstein-Institut" country="Germany" ror=https://ror.org/05jdrw50>
```

```
</affiliation>
```

Integration into our workflow

- Affiliations are queried to the ROR REST API using the “affiliation” search
 - = <https://api.ror.org/organizations?affiliation=Beilstein-Institut>
 - = Response: a list of ROR IDs with a “matching score” from 0 to 1 and a “chosen” flag (yes/no)
- A list of all results with a score greater than 0.8, but at most five results, is given for selection during layout
- Optional: “set no institution” (when no ROR ID is found)

Integration into our workflow

Affiliations overview before query

= content from <affiliation> elements in the article XML

= data as provided in the manuscript

Edit the table below to link author affiliations with the corresponding ROR and ISNI IDs.

Layout ROR IDs

Affiliation	Institution	Country	ROR ID	ISNI	Required	Actions
Maastricht University, Department of Data Science and Knowledge Engineering, Engineering Faculty, Paul-Henri Spaaklaan 1, 6229 EN, Maastricht, Netherlands					Yes	<button>Clear</button> <button>Edit</button>
Department of Electronics and Automation, Vocational High School, Bilecik Şeyh Edebali University, 11230, Bilecik, Turkey					Yes	<button>Clear</button> <button>Edit</button>
Beilstein-Institut, Trakehner Strasse 7–9, 60487 Frankfurt am Main, Germany					Yes	<button>Clear</button> <button>Edit</button>
Pizzeria "Da Cimino", Frankfurt am Main, Germany					Yes	<button>Clear</button> <button>Edit</button>
Université Paris Cité, Department of Chemistry, 15 Rue Jean Antoine de Baïf, 75013 Paris, France					Yes	<button>Clear</button> <button>Edit</button>
University of Kurdistan Hewlêr, Department of Computer Science, 30 Meter Avenue, Erbil, Kurdistan Region, Iraq					Yes	<button>Clear</button> <button>Edit</button>

Integration into our workflow

ROR query

Edit ROR IDs
Use "Affiliation Search" or "Free Text Search" below to obtain ROR and ISNI IDs.

Affiliation Search

Université Paris Cité, Department of Chemistry, 15 Rue Jean Antoine de Baïf, 75013 Paris, France

Query

Free Text Search *

Query

ROR Query Results
No query performed yet.

Set no institution

Cancel

Edit ROR IDs
Use "Affiliation Search" or "Free Text Search" below to obtain ROR and ISNI IDs.

Affiliation Search

Université Paris Cité, Department of Chemistry, 15 Rue Jean Antoine de Baïf, 75013 Paris, France

Query

Free Text Search *

Query

ROR Query Results

Institution	Country	ROR ID	Score	Chosen	Actions
University of Paris	France	https://ror.org/05f82e368	0.9	true	Select
Paris 13 University	France	https://ror.org/0199hds37	0.85	false	Select
Université Paris Lumières	France	https://ror.org/03b4d6f26	0.83	false	Select
Paris Dauphine University	France	https://ror.org/052bz7812	0.83	false	Select
Sorbonne Paris Cité	France	https://ror.org/001z21q04	0.82	false	Select

Set no institution

Cancel

ROR ID suggested
by ROR API

Matching score

Integration into our workflow

Overview of all found ROR IDs

Hyperlinks to ROR and ISNI IDs

Layout ROR IDs

Affiliation	Institution	Country	ROR ID	ISNI	Required	Actions
Maastricht University, Department of Data Science and Knowledge Engineering, Engineering Faculty, Paul-Henri Spaaklaan 1, 6229 EN, Maastricht, Netherlands	Maastricht University	Netherlands	ROR ID	ISNI	Yes	<button>Clear</button> <button>Edit</button>
Department of Electronics and Automation, Vocational High School, Bilecik Şeyh Edebali University, 11230, Bilecik, Turkey	Bilecik University	Turkey	ROR ID	ISNI	Yes	<button>Clear</button> <button>Edit</button>
Beilstein-Institut, Trakehner Strasse 7–9, 60487 Frankfurt am Main, Germany	Beilstein-Institut	Germany	ROR ID	ISNI	Yes	<button>Clear</button> <button>Edit</button>
Pizzeria "Da Cimino", Frankfurt am Main, Germany					No	<button>Clear</button> <button>Edit</button>
Université Paris Cité, Department of Chemistry, 15 Rue Jean Antoine de Baïf, 75013 Paris, France	University of Paris	France	ROR ID	ISNI	Yes	<button>Clear</button> <button>Edit</button>
University of Kurdistan Hewlêr, Department of Computer Science, 30 Meter Avenue, Erbil, Kurdistan Region, Iraq	University of Kurdistan Hewler	Iraq	ROR ID	ISNI	Yes	<button>Clear</button> <button>Edit</button>

No ROR ID found for this affiliation
(= "set no institution")

"ROR ID Required" flag for
validation that the query
was carried out
(default = yes)

Integration into our workflow

P1 JSON message sent to the OAS API

One P1 message is sent to each found ROR ID

```
{  
  "header" : {  
    "type" : "p1",  
    "to" : {  
      "address" : "https://ror.org/02jz4aj89"  
    }  
  }  
}
```

Diamond OA-relevant data are communicated

```
    "charges" : {  
      "prioragreement" : false,  
      "currency" : "EUR",  
      "fees" : {  
        "apc" : {  
          "name" : "firm",  
          "type" : "per article APC list price",  
          "amount" : 0  
        },  
        "total" : {  
          "name" : "firm",  
          "amount" : 0  
        }  
      }  
    }
```

“APC = 0 EUR” →

“Total article charges = 0 EUR” →

Integration with the OAS API (test system)

Successful POST of P1 messages

Body

Cookies

Headers (9)

Test Results

Status: 200 OK Time: 307 ms Size: 401 B

Pretty

Raw

Preview

Visualize

JSON

1 Your p1 message has been successfully submitted

Messages are accordingly displayed in the OAS dashboard

oaswitchboard

Dashboard Logout Beilstein-Institut

Messages

DLQ Messages

Compose Message

Export

Search

1

2

next

Show Status

ID	MESSAGE TYPE	DATE	STATUS	SENDER TYPE	SENDER	RECEIVER TYPE	RECEIVER	DETAILS
8004	p1	2022/04/07	Response not required	publisher	Beilstein-Institut	consortia	University of Maastricht Test	Beilstein Journal of Nanotechnology https://doi.org/10.3762/bjnano.13.3 A Au/CuNiCoS4/p-Si photodiode: electrical and morphological ...
8002	p1	2022/04/07	Response not required	publisher	Beilstein-Institut	institution	University of Maastricht Test	Beilstein Journal of Nanotechnology https://doi.org/10.3762/bjnano.13.3 A Au/CuNiCoS4/p-Si photodiode: electrical and morphological ...

Thank you.

Contact:

Wendy Patterson



wpatterson@beilstein-institut.de



@wendympatterson



<https://www.linkedin.com/in/pattersonwendy/>