

euroCRIS 2022

Luxembourg and the National Infrastructure

Lessons learned from a National Collaboration in Luxembourg to facilitate Open Access Management & drive Open Science



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ChronosHub

WE ARE CHRONOSHUB

A leading Open Access Management platform
transforming research publishing

2017



ChronosHub founded in
Copenhagen, Denmark

180,000+



Authors using ChronosHub

100,000+



Articles processed for
Compliance, Open Access
Agreement Monitoring, Article
Processing Charges and Article
Repository deposits per year

+€5 million



Managed per year in Article
Processing Charges

WE COLLABORATE WITH ALL STAKEHOLDER GROUPS IN THE RESEARCH ECOSYSTEM



Luxembourg National Research Fund (FNR)

Who we are and what we do



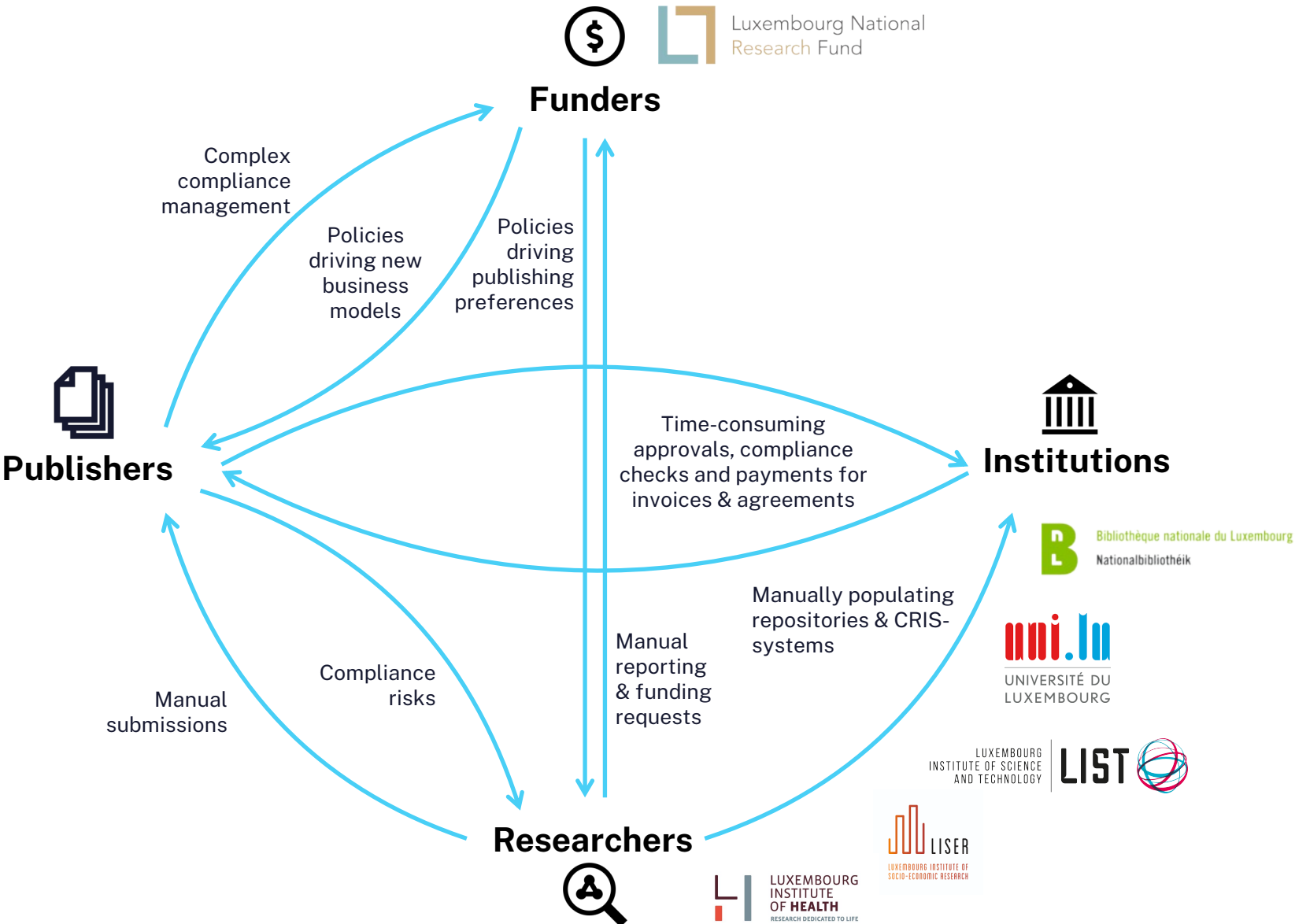
- Main funder of research activities in Luxembourg
- Advise the Luxembourg government on national research policy and strategy
- Plan S funder, supporting Open Access & Open Science, mandating ORCID IDs

FNR Open Access Policies

Yesterday, today and tomorrow

	1	2	3
Acceptance year	... 2016	2017 2018 2019 2020	2021 
When was the <u>grant</u> accepted?	Accepted before 2017	Accepted between 2017 and 2020	Accepted in 2021 and later
Which Open Access policy applies?	None	FNR Open Access Policy	Plan S FNR Open Access Policy
Most important eligibility criteria	None	• CC-BY licence • FNR-funding acknowledged • Repository & embargo period of max. 6 months • Caps: Hybrid = 1500€, Gold = 2500€	• CC-BY licence • FNR-funding acknowledged • Repository & no embargo • Hybrid: transformative journals only • Caps: Hybrid tran. = 1500€, Gold = 2500€
How to pay for publishing fees <u>in/after 2021</u> ?	Fees covered via grant budget	Reimbursement through Open Access Fund Call	If published in/after 2021: ⇒ Direct payment through <u>ChronosHub</u>

●
**THE
CHALLENGES**



Lessons learned for Funders & Institutions



Best Practise

- Develop OA Strategy
- Focus on unburdening the researchers
- Centralize OA funds



Collaboration

- Across internal & external organizational boundaries
- With third parties like submission systems, OA Switchboard, IRs, CRIS, JCT, etc.



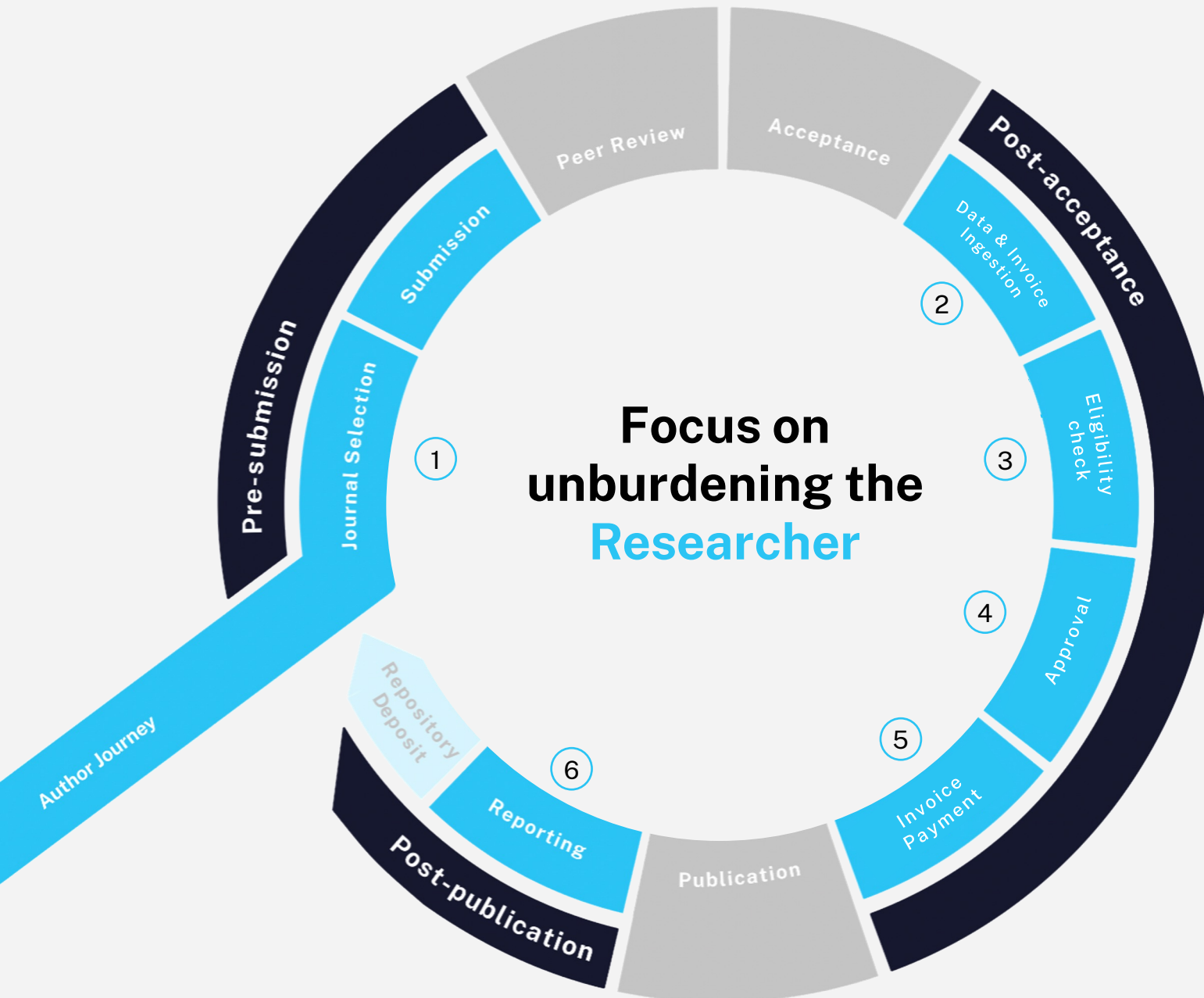
Standardization

- Data standards and formats
- Processes and definitions of terminology (OA vocabulary)
- Flexibility as not one model fits all



Automation

- Use of Persistent Identifiers (PIDs)
- Ensure FAIR data upon inception



THE SOLUTION

- ① **Journal Selection & Submission**
- ② **Data & Invoice Ingestion**
- ③ **Funding Eligibility Check**
- ④ **Approval**
- ⑤ **Invoice Payment**
- ⑥ **Reporting & data reuse**
(APC expenditure, agreement monitoring, OA policy compliance, populating CRIS/IRs, OpenAPC, etc.)

Luxembourg National OA Management Infrastructure

Today: New solutions to enable Open Access, FAIR data, and Open Science

Open Access managed through ChronosHub:

Journal Finder

- Directly checks if a journal is compliant with the FNR policy (2017-2020, 2021-)
- Confirms possible FNR funding amount
- Makes national publisher agreements transparent

Manuscript & invoice submission

- Manuscript submission to publisher via ChronosHub (less work, automation upon acceptance)
- Automated ingestion of invoices (directly from publishers, or via email from authors & admins)

Immediate funding eligibility check

- ChronosHub directly and automatically checks funding eligibility of submitted invoices
- No more manual work for compiling reports, or getting funding rejected after publishing

Direct funding

- If eligible, FNR/ChronosHub directly pay the full invoice
- If funding cap is exceeded, FNR receives reimbursement from institution

JOURNAL SELECTION & COMPLIANCE CHECKER

SEARCHING & FILTERING

You can search and filter more than 45,000 journals on various attributes like subject area, APC-range, OA type and if it's indexed in journal lists like Scopus, Web of Science and DOAJ. The filters can be customized.

FUNDER COMPLIANCE

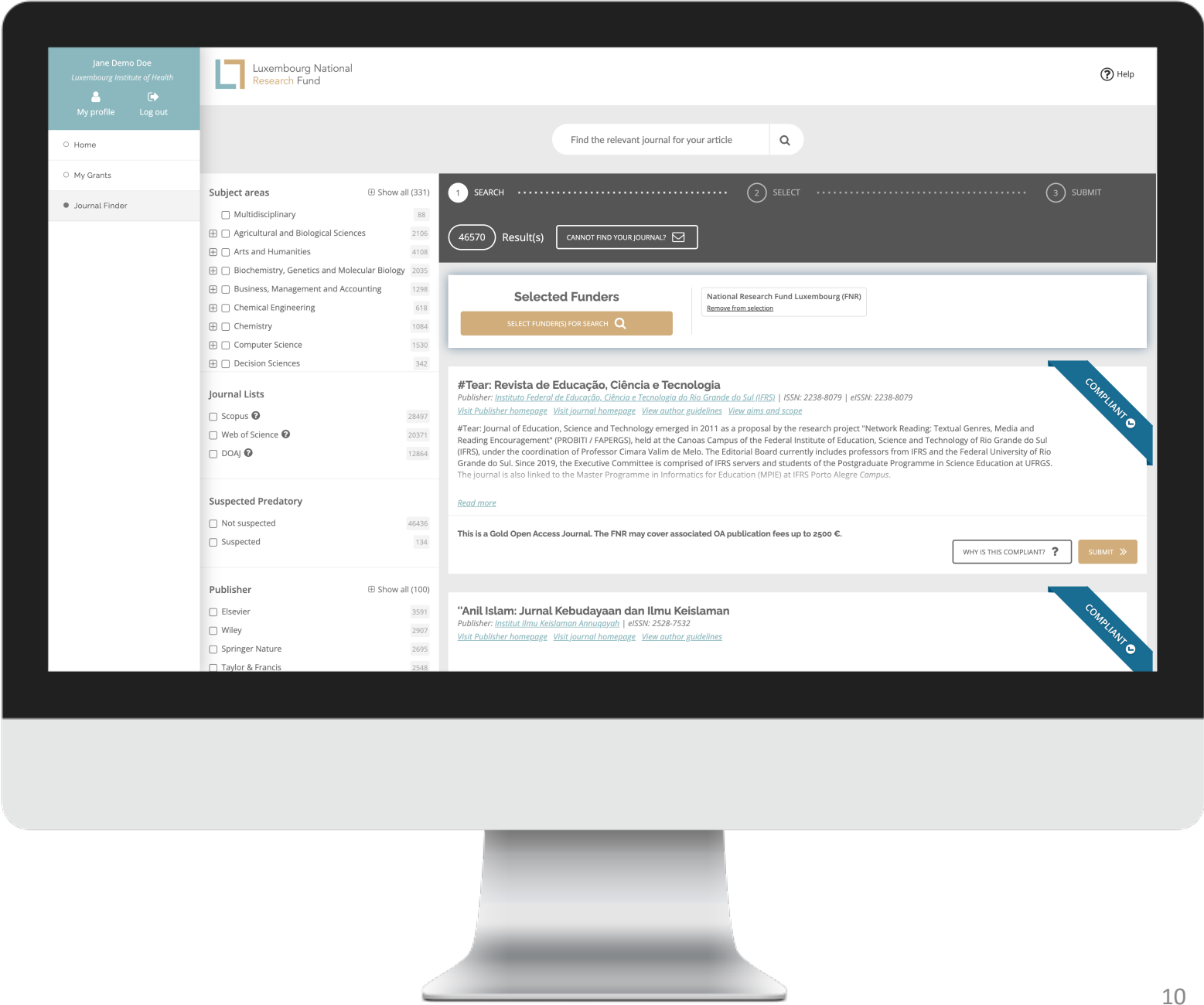
Each journal is flagged as compliant or non-compliant with FNR's policy. ChronosHub currently includes 60 further research funders.

FUNDING ELIGIBILITY

For each journal a message is displayed indicating if it meets FNR's funding eligibility criteria.

PUBLISHER AGREEMENTS

Each journal displays a customizable message indicating if it is included in any of the national open access agreements, if that covers free publishing, and if there is a quota or a discount.



DATA INGESTION :
EMAIL FLOW for INVOICE SUMBMISSION

From: Fill out the form to complete invoice

C

Chronos Hub

<support@chronoshub.io>

To:

K. Rosenberger

Today at 08.05

Mrs. K. Rosenberger

Thank you for forwarding your invoice.

We need to know a bit more before we can process your request. Therefore, we kindly ask you to follow the link below and fill out the missing information.

Fill out form

You can also contact the ChronosHub Support for any further assistance at support@chronoshub.io.

Best regards,
ChronosHub Support

ChronosHub

f

t

in

See What's New

Live form displayed –
no need to login

Invoice form 742124

Fill in the blank fields

Titel

Performance of goats in a detour and a problem-solving test following long-term cognitive test exposure.

Journal

Royal Society Open Science

Funding acknowledgment

Swiss National Science Foundation (SNSF)

Publisher

The Royal Society

Eligibility 5/7

☒ Grants

☒ Policy

☒ Funding Scheme

☐ Grant Authors

☒ Acknowledgement

☒ OA status

☐ License

Price ⓘ

APC

1200 GBP

VAT

240 GBP

Total

1440 GBP

Grant ⓘ

Grant: Performance of goats in a detour and...

Article type ⓘ

Submit

After pressing submit your invoice will be sent automatically

Only
complete
missing
information

Success!

You have successfully completed your funding request and you will receive an e-mail confirmation once ChronosHub has processed it.

Close

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FUNDING ELIGIBILITY CHECKS

Funding eligibility checks are done automatically upon upload/ingestion of the invoice.

Different criteria can be set up for the different policies (i.e. FNR policy vs FNR’s Plan S Policy).

After ingestion of the invoice via either route, the funding eligibility is displayed on the platform via a traffic light system

For the email submission flow, funding eligibility is already displayed within the live form

Publisher	Title	Author(s)	Requirements	Date Received	Date Accepted	Due Amount	Invoice Number
▼ American Chemical So...	Mapping out the aqueous surface ch...	Jonathan De Roo, Hala Helmy	4 of 5	17.02.2022	15.02.2022	US\$5,000.00	APC600287889 ⓘ
Publisher, Title, Author(s)			Requirements	History Log		Due Amount Specifications	Choose action...
Mapping out the aqueous surface chemistry of metal oxide... American Chemical Societ... JACS Au Date received: 17.02.2022			Grants 182895 Grant Authors Hala Helmy, Jonat... Acknowledg... OA Status GOLD OA License CC-BY 4.0	Date Action Person 17.02.2022 Pending approval Laura Davidson		Fees APC US\$5,000.00 Sub Total US\$5,000.00 VAT US\$0.00 TOTAL US\$5,000.00	Notes... Confirm
> Royal Society of Chemi...	Nanosegregation in Arene-Perfluoro...		3 of 5	17.02.2022	12.02.2022	CHF 0.00	Rejection: Hybrid journal ⓘ
> MDPI	Evaluation of an Active LF Tracking Sy...	Michael J. Toscano, Michael Gantner, ...	4 of 5	18.01.2022	13.01.2022	CHF 1,895.52	1441836 ⓘ

Invoice form 742124

Fill in the blank fields

Titel
Performance of goats in a detour and a problem-solving test following long-term cognitive test exposure.

Journal
Royal Society Open Science

Funding acknowledgment
Swiss National Science Foundation (SNSF)

Publisher
The Royal Society

Eligibility 5/7 ⓘ

- ✓ Grants
- ✓ Policy
- ✓ Funding Scheme
- ✗ Grant Authors
- ✓ Acknowledgement
- ✓ OA status
- ✗ License

Price ⓘ

APC	1200 GBP
VAT	240 GBP
Total	1440 GBP

Grant ⓘ

Grant: Performance of goats in a detour and...

Article type ⓘ

Submit

After pressing submit your invoice will be sent automatically

INVOICE APPROVAL

The admin team approves, conditionally approves, or rejects invoices, based on the funding eligibility criteria.

The admins and corresponding authors are informed about any updates or actions required via email notifications.

An overview of approved, rejected, and conditionally approved invoices are available on the platform and can be downloaded in Excel format.

Overview of all articles per approval status

Publisher	Title	Author(s)	Requirements	Date Received	Date Accepted	Due Amount	Invoice Number	Decision Date	Decision By
> Frontiers Media	The interplay between brain ...	Annika Keller	4 of 5	11.02.2022	08.02.2022	US\$3,177.15	2022-0539642-7 ⓘ	16.02.2022	SNF Admin
> Nature Publishing...	Untargeted sequencing of cir...	Henner Hanssen	4 of 5	15.02.2022	15.02.2022	€1,927.83	2676299690 ⓘ	16.02.2022	SNF Admin
> Nature Publishing...	Thermal imaging reveals aud...	Klaus Zuberbühler	4 of 5	16.02.2022	09.02.2022	€1,927.83	2676299647 ⓘ	16.02.2022	SNF Admin
> Frontiers Media	A Man and His Minnows: The...	Dan Tamir	4 of 5	07.02.2022	06.01.2022	US\$1,238.55	2021-0362970-8 ⓘ	16.02.2022	SNF Admin
> Nature Publishing...	miR-802 regulates Paneth cel...	Markus Stoffel, Algern Goga, ...	4 of 5	10.02.2022	20.04.2021	€4,878.81	Reimbursement 2676242949 ⓘ	16.02.2022	SNF Admin
> MDPI	Anticancer and Antibiotic Rhe...	Kevin Schindler, Fabio Zobi	4 of 5	14.01.2022	12.01.2022	CHF 1,238.55	1516991 ⓘ	16.02.2022	SNF Admin
> Oxford University ...	Mapping personal geographi...	Ola Söderström, Alessandra ...	4 of 5	22.11.2021	18.11.2021	€1,836.00	E15026096 ⓘ	16.02.2022	SNF Admin
> MDPI	Mouse Microglial Calcitonin R...	Thomas Lutz, Christelle Le Fo...	4 of 5	12.01.2022	06.01.2022	CHF 1,550.88	Reimbursement 1519990 ⓘ	16.02.2022	SNF Admin

Choose action...

Conditionally approved

Approved

Rejected

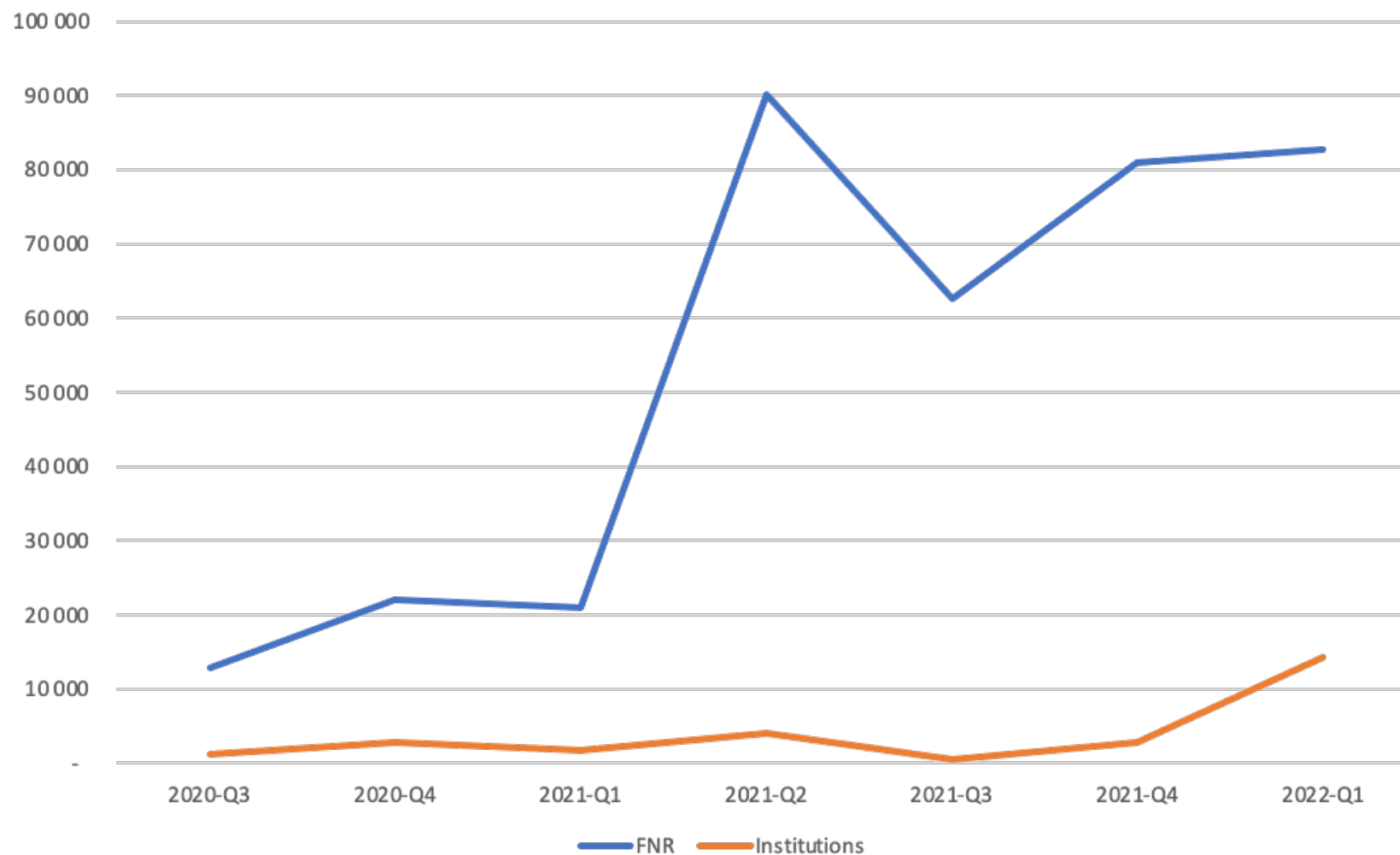
Confirm



Download to Excel and reuse over API

Development over time

Increase after pilot phase: about 200 APC-invoices and 340 k€ per year



Extending the national platform across institutions and support research data:

Journal Finder

- Making the Journal Finder public & make clearer policy compliance vs funding eligibility

Manuscript & invoice submission

- Work with institutions to cover all articles (not only FNR funded) and optimize internal processes (e.g. PO numbers issued in different ways at different org units)

Direct funding

- Deposit accounts for each institution to avoid reimbursement

Automated repository deposits

- Collection of AAMs and VoRs and deposit in Zenodo and CRIS/Institutional Repositories (Pure, DSpace).

Support for research data

- Extend support to research datasets, and issue DOIs for grants and DMPs.

QUESTIONS?
GET IN TOUCH



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Stay up to date on Open Access & ChronosHub



<https://chronoshub.io/news>

