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A funded project-based approach to Open Access implementation

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Another year

Related Sessions

Pablo de Castro works as Open Acces Project Officer in LIBER’s (Association of European Research Libraries) office based in the National Library of the Netherlands in Hague. Until very recently, Pablo worked on research information workflows and management systems at GrandIR Ltd in Edinburgh, building on the previous work carried out for the UK RepositoryNet+ Project at EDINA National Data Centre (2012-13). He holds a MSC in Physics from Universidad Complutense de Madrid (UCM), has a background as Institutional Repository manager for the Spanish National Research Council (CSIC, 2007-2009) and as an Open Access advocate for Carlos III University in Madrid (UC3M, 2009-2011). Besides being an ORCID Ambassador and having until very recently served as ORCID Technical Steering Group member, Pablo is also a member of the euroCRIS Board.
TF Open Science (TFOS)

Aims:

The work of this Task Force is done in the context of the Unilateral Statement that CESAER and partners have signed with the European Commission to contribute in developing the European Research Area. The Task Force intends a.o. to provide advice for our member institutions’ policies and action plans, and how we should join forces to get a development in the field which is to our interest.

CESAER considers Open Access (OA) to scientific publications to be one of the most important ongoing movements in the scientific community today. It has the potential to fulfill the most important ethos of science: to make scientific knowledge available free of charge to all users through business models that are considered fair and reasonable.
Funder-driven OA Policy landscape in the UK

- Both Green and Gold OA policies
- HEFCE Green OA mandate coupled to research assessment (REF)
- Support for APCs from the Research Councils UK and COAF
An institutional perspective

- OpenAIRE a best practice model for a funder-based approach to OA implementation: pubs arising from FP7 and H2020 projects and their aggregation
Why link pubs to projects?

- Reporting
- Research impact
- Business intelligence
- Accountability…

Both IRs and CRIS systems allow to code funding info – the key is system interoperability
System interoperability – the OpenAIRE way

OpenAIRE Guidelines for Literature Repositories

Versions

- 3.0, April 2013
- 3.0, beta December 2012
  - The OpenAIRE OAIset has been renamed from ec_fundedresources to openaire.
  - New relation elements for indicating external identifiers, references and connections to datasets.
  - Compatibility for aggregators; extended Namespace for Project Identification
- 1.1, November 2010 doi:10.5281/zenodo.59206
  - Correction of names and references; addition of license and version statement
- 1.0, July 2010 doi:10.5281/zenodo.59204
  - Initial document

OpenAIRE Guidelines for CRIS Managers based on CERIF-XML

The OpenAIRE Guidelines for CRIS Managers version 1.0, together with the accompanying material, is available at http://doi.org/10.5281/zenodo.17065.
System interoperability – with OA-friendly publishers

September 12, 2017

Ned-19 inhibition of parasite growth and multiplication suggests a role for NAADP mediated signalling in the asexual development of Plasmodium falciparum

Suárez-Cortés, Pablo; Gambra, Guido; Favia, Annarita; Palombi, Fiorella; Alano, Pietro; Filippini, Antonio

Background: Although malaria is a preventable and curable human disease, millions of people risk to be infected by the Plasmodium parasites and to develop this illness. Therefore, there is an urgent need to identify new anti-malarial drugs. Ca^{2+} signalling regulates different processes in the life cycle of Plasmodium falciparum, representing a suitable target for the development of new drugs.

Results: This study investigated for the first time the effect of a highly specific inhibitor of nicotinic acid adenine dinucleotide phosphate (NAADP)-induced Ca^{2+} release (Ned-19) on P. falciparum, revealing the inhibitory effect of this compound on the blood stage development of this parasite. Ned-19 inhibits both the transition of the parasite from the early to the late trophozoite stage and the ability of the late trophozoite to develop to the multinucleated schizont stage. In addition, Ned-19 affects spontaneous intracellular Ca^{2+} oscillations in ring and trophozoite stage parasites, suggesting that the observed inhibitory effects may be associated to regulation of intracellular Ca^{2+} levels.

Conclusions: This study highlights the inhibitory effect of Ned-19 on progression of the asexual life cycle of P. falciparum. The observation that Ned-19 inhibits spontaneous Ca^{2+} oscillations suggests a potential role of NAADP in regulating Ca^{2+} signalling of P. falciparum.
System interoperability – with OA-friendly publishers

Conclusions: This study highlights the inhibitory effect of Ned-19 on progression of the asexual life cycle of P. falciparum. The observation that Ned-19 inhibits spontaneous Ca²⁺-oscillations suggests a potential role of NAADP in regulating Ca²⁺-signalling of P. falciparum.

For a text-mining-based approach to capturing funding info to properly work, the acknowledgements must be correct, including both the project acronym and grant number.
System interoperability – the OpenAIRE way

On-the-fly reporting on publications arising from a given FP7/H2020 project on the project webpage on CORDIS – via the OpenAIRE aggregation and API

WHAT ABOUT NATIONAL-LEVEL FUNDING?
System interop at Strathclyde

PURE - A Research Management System

- HRIS (HR Information)
- External Organisations
- Registry (Neptune/Spider) (Supervisor/Student relationship)
- Research Grant (RKES)
- Award Management
- Research Spend (Finance)
- pFACT (costing)
- Asset Management (Equipment)
- Scopus
- Strathprints
- KnowledgeBase
- Staff Webpages
- Annual Review
- REF Submission
- Management Info
- Specific Funder Requirements
- CV's
Advantages of deposit upon manuscript acceptance

Deposit on acceptance grants access to the acknowledgements section of the manuscript – and its funding information.

8. Funding

Funding is gratefully acknowledged from the European Research Council (grant number 278389), Fraunhofer UK Research Ltd., and the Royal Academy of Engineering. All data created during this research are openly available from the University of Strathclyde Pure/ KnowledgeBase at http://dx.doi.org/10.15129/9ee6178b-4ce9-4907-8d18-2c40085da6b0

The funding info will determine the Open Access workflow to follow: EU-funded outputs have their own OA requirements, RCUK- or Wellcome-funded publications will be eligible for APC funding.
Unfunded Papers?

Springer Compact: over 1,600 journal titles in all disciplines

Springer Nature Journals List 2017
Complete catalogue including Open Access Journals

This list shows all Springer Hybrid (Open Choice) journals as of January 2017
Further collaboration with OA-friendly publishers
A couple of comments

• There are plenty of other institutional units/services but the library is the place for the link between pubs & projects to be established.

• Access to the funding information allows libraries to get a valuable snapshot of the institutional research funding streams – there should be an interest on this.

• Open Science implementation is (at least partially) about building trust with researchers, research groups and departments from the library: this requires an awareness of funded projects – it’s not just OA, it’s also RDM and practically any other area in OS.
The funders’ perspective

FCT - Fundação para a Ciência e a Tecnologia

Updated on 08 May 2017

29,670 publications in 12,796 projects (total of 37,277 projects)
27,718 are OA, 878 are restricted and 76 are still in embargo

- The link btw pubs & projects allows reporting on research impact and critically accountability for the way public funding is spent --> open government on research funding and results
- OpenAIRE currently extending the EU-level links to FP7/H2020 projects into national-level funded project info
- Successful pilot case studies for this are Wellcome & FCT, but many others in the pipeline
- Public national-level funders need to be aware of the importance of making available publicly funded research project info -- it didn’t use to be this way in the past but times are changing and transparency and accountability are now important values
Multi-Scale Numerical Modelling of Magnetised Plasma Turbulence

EPSRC award to University of Strathclyde and Bengt Erik Eliasson
Publicly-funded project info: GtR

Lead Research Organisation: University of Strathclyde
Department Name: Physics

Overview
Organisations People Publications Outcomes

Abstract
The majority of the visible matter in our universe is plasma. Since plasma contains free electric charges (ions and electrons), it is sensitive to electromagnetic fields and waves, and electric currents can flow in the plasma. Laboratory plasmas are being increasingly exploited in contemporary high-value, high-technology industries. Plasma in the sun, magnetosphere and ionosphere have impacts on many human activities, from space weather to GPS satellite and land-based communications. For the longer term future the harnessing of fusion energy to provide the world’s energy needs in an environmentally safe, carbon-free way may be based on magnetically or inertially confined plasmas. Electromagnetic waves are used to heat plasma in fusion reactors, but they are also used for basic plasma experiments in the laboratory and in the Earth’s ionosphere, and for satellite communication and GPS.

This project aims to build a comprehensive multi-dimensional, full-scale numerical model to study the propagation and the complicated interactions between high-frequency electromagnetic waves and magnetised plasmas on different length- and timescales. The results of the project will develop our understanding of the complex interactions between electromagnetic waves, such as microwaves, and plasmas, and how electromagnetic waves can be used to inject energy into the plasma. The project is timely in view of the ongoing construction of the fusion test reactor ITER in Southern France, and the results will also provide a pre-study for planned laboratory plasma experiments at the University of Strathclyde. The project also has relevance to active experiments using the Earth’s ionosphere as a natural plasma laboratory, and to satellite communication where the effects of the ionospheric plasma layer need to be compensated for.

Planned Impact
The impact of plasma physics is large and growing. The majority of the visible matter in our universe is plasma. Laboratory plasmas are being increasingly exploited in contemporary high-value, high-technology industries. Plasma in the sun, magnetosphere and ionosphere have impacts on many human activities, from space weather to GPS satellite and land-based communications. The development of fusion energy...
Publicly-funded proj info: OpenAIRE

FOR FUNDING AGENCIES

Find out how to align to European policies and use the OpenAIRE services.

1 - Where to find guidelines for Open Access policy development for Funding Organizations?

2 - What do we need from funders?

OpenAIRE would like to use a ‘very limited’ set of metadata fields from funders, no personal or private details are needed, e.g. no people’s names, budget details:

- PROJECT IDENTIFIER (MANDATORY)
- PROJECT TITLE or ACRONYM (MANDATORY)
- FUNDER NAME (MANDATORY), e.g. Wellcome Trust, EC
- START DATE (MANDATORY), END DATE (MANDATORY)
- FUNDING STREAM(S) (OPTIONAL) – funding categories for more detailed statistics
- ORGANIZATION(S) INVOLVED (OPTIONAL)

3 - Why does OpenAIRE want national funding information?

https://www.openaire.eu/support/faq/funders-faq
Persistent project IDs the next step

Slide: Martin Fenner & Tom Demeranville, THOR project

Project ID as Linking Identifier

http://orcid.org/0000-0002-4695-7874
Contributor

http://doi.org/10.5438/6423
https://doi.org/10.5438/6423

Grant

http://doi.org/10.13039/501100000780
Funder

http://doi.org/10.5281/ZENODO.30799
Article

http://doi.org/10.5281/ZENODO.30800
Dataset

https://figshare.com/articles/Project_ Identifiers/4216323
Croatian public funders already there

Slide: Pedro Principe, Universidade do Minho/OpenAIRE

## Funders Integration status (Sept. 2017):

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<td>Portuguese Foundation for Science and Technology (FCT)</td>
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<td>Wellcome trust (WT)</td>
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<td>National Health and Medical Research Council (NHMRC)</td>
<td>Australia</td>
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<tr>
<td>National Institute of Health (NIH)</td>
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Conclusions

• The library lies at the crossroads of the research information workflows and it's ideally placed to deal with this funded project-based approach, also building a trust relation with authors along the way.

• A very advanced OA policy landscape like the UK's is of great help for putting together this strategy but IT'S NOT A PREREQUISITE: the EC OA policy is more than enough to start with and this applies to every EU country and beyond.

• Same applies for APC funding availability -- it's a plus if it's there from national-level funders, but again it's not a must: the FP7 Post-Grant OA Pilot is an all-European funding opportunity.

• This is not a call for the implementation of expensive commercial CRIS platforms, but for libraries to use whatever RIM system they may have available.
CROSBI: Croatian Scientific Bibliography

Croatian Scientific Bibliography

Surname, Name

Search

Advanced search

NEW PUBLICATION

171228 Journal articles

84152 Dissertations and thesis

83880 Conference proceedings papers

PUBLICATION CORRECTION

BROWSE

Browse by author
Browse by institution
Browse by project
Browse by science area
Browse by group

LATEST ADDITIONS

Side effects of antipsychotics-role in therapy avoidance in mentally ill patients
Sabić, V.; Foštegović-Šmitić, V.; Moro, Ljiliana; Rubeša, Gordana

Biological Evaluation of the Effect of Galvanic Coupling Intrabody Communication on Human Skin Fibroblast Cells
Lin, Shi; Gao, Yueriing; Cai, Juan; Lučev Vasić, Željka

Hranidbena vrijednost sjiena
Papac, Mateo

STATISTICS

Trend of total number of CROSBI records per paper categories

Details

http://beta.bib.irb.hr/
AIS-DC

Project ID: 277144
Funded under: FP7-PEOPLE

Application Information Services for Distributed Computing Environments

From 2011-06-01 to 2015-05-31, closed project

Project details

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<td>FP7-PEOPLE-2009-RG - Marie Curie Action: &quot;Reintegration Grants&quot;</td>
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<tr>
<td>EU contribution:</td>
<td>Call for proposal:</td>
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<tr>
<td>EUR 100 000</td>
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<td>Coordinated in:</td>
<td>Funding scheme:</td>
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<td>Croatia</td>
<td>MC-IRG - International Re-integration Grants (IRG)</td>
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Objective

Cloud computing is emerging as a major computational platform for business as well as scientific computing. Cloud computing is abstracting traditional reliance on locally available hardware and its configuration into the infrastructure-as-a-service (IaaS) and software-as-a-service (SaaS) paradigms. In order to realize widespread adoption of cloud computing, consistent (ideally, well-defined) Quality of Service (QoS) needs to be delivered to the end users. Mandated by the cl...

Coordinator

RUDER BOSKOVIC INSTITUTE
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10000 ZAGREB
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Activity type: Research Organisations
# Delivering Bioinformatics MapReduce Applications in the Cloud

**Lukas Forer**, **Tomislav Lipeć**, **Sebastian Schönherr**, **Hans Florian Weißensteiner**, **Davor Davidović**, **Florian Kronenberg**, **Enis Afgan**

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**Croatia**

**EU contribution**: EUR 100 000

**ACKNOWLEDGMENT**

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Delivering Bioinformatics MapReduce Applications in the Cloud

Forer, Lukas; Lipić, Tomislav; Schönherr, Sebastian; Weissensteiner, Hansi; Davidović, Davor; Kronenberg, Florian; Afgan, Enis
Delivering Bioinformatics MapReduce Applications in the Cloud // MIPRO 2014 37th International Convention Proceedings
Opatija, Hrvatska, 2014. pp. 388-392 (lecture, international peer review; scholarly)

Title
Delivering Bioinformatics MapReduce Applications in the Cloud

Authors
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Type, subtype and category of paper
Conference proceedings papers, full paper, scholarly

Project / theme
Scientific Visualisation Methods (098-0982562-2567)

Source language
English

Scientific area
Biology, Computer science

http://beta.bib.irb.hr/739867
Thanks!

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