

OpenAIREplus project  
info@openaire.eu

# OpenAIRE infrastructure and services for compliance and monitoring

EC Project Officers, June 25, 26, 27 - 2014





# Outline

## 1. OpenAIRE overview

## 2. OpenAIRE in practice

### Deposit

Locate a Repository

Zenodo

Claim publication

### Project view

Project report

Project dissemination

Project statistics

## 3. Monitoring OA policy

## 4. Demo





# OpenAIRE overview

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OpenAIRE for EC Project Officers @ 2014





# OpenAIRE

**OPEN ACCESS** INFRASTRUCTURE  
FOR RESEARCH IN EUROPE



# Major development steps

## OpenAIRE project

- Supporting identification, deposition, access and monitoring of FP7 and ERC funded articles



## OpenAIREPlus Project

- Any OA article
- Any EU and National Funding Scheme
- Publications in context (datasets, projects, funding schemes, people, etc.)

# PARTICIPATORY APPROACH

capitalizing on  
previous  
investment



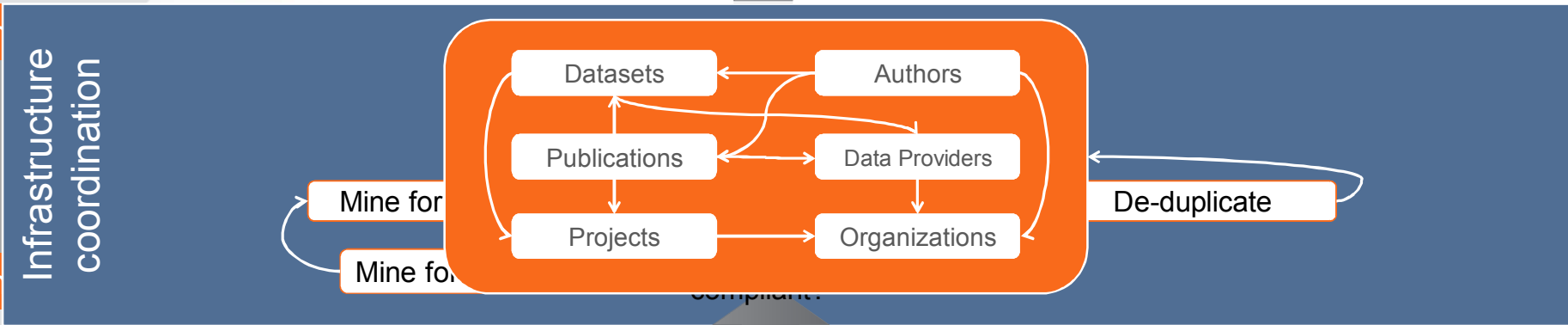
Human Network



e-Infrastructure

Deposit Publications      Visualize - Manage Enhanced Publications      Curate & collaborate      Research impact statistics

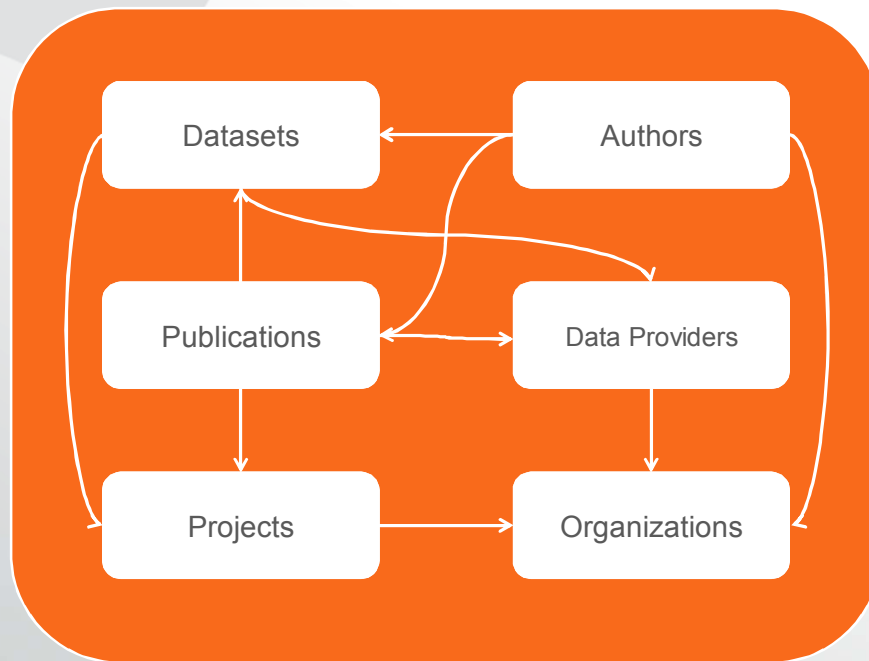
## Services for Project Coordinators, Project Funders, Funders



## Infrastructure: data sources



## Added Value: Integrated Scientific Information System



8.1 mi publications  
460+ data providers  
80K publications linked to  
projects 2 funders  
700 datasets linked to  
publications  
33K organizations





# OpenAIRE in practice

## Deposit

Locate a Repository >> Zenodo >> Claim publication >> Project Identification

## Project view

Project report >> Project dissemination >> Project statistics

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**Deposit the final manuscript or publisher's PDF in a repository, either institutional or disciplinary.**

**NB: It is not enough to list publications via a project website. They will go unnoticed!**



# Depositing

## Publications and Data

- **We want researchers to deposit into their institutional repository**
- **Through OpenAIRE they can be directed to**
  - Publication repositories (OpenDOAR)
  - Research Data repositories (RE3DATA)
- **If they don't find one of their choice**
  - Zenodo at CERN (sponsored by OpenAIRE)





# Depositing

## Locate repository

- Deposit once
  - Find where to deposit – **publications & data**
  - Local or thematic repository?

### Locate repository via your institution

### Or locate repository in map

## Repositories for institution: University of Oxford

*Please use the information/contacts shown below to deposit your publications*

### Oxford University Research Archive - ORA

(147518 items - 19/11/2013)

Organizations: University of Oxford

Website URL: <http://ora.ox.ac.uk/>

OAI-PMH URL: <http://ora.ox.ac.uk:8080/fedora/oai>



### First World War Poetry Digital Archive

(7000 items - 19/11/2013)

Organizations: University of Oxford

Website URL: <http://www.oucs.ox.ac.uk/ww1lit/>









# Zenodo

“Catch-all” repository: OpenAIRE-CERN joint effort

- **Multiple data types**
  - Publications
  - Long tail of research data
- **Citable data (DOI)**
- **Links to funding, pubs, data, software**

 Publication	 Poster	 Presentation	 Dataset	 Image	 Video/Audio
 Software					

[www.zenodo.org](http://www.zenodo.org)

-  **API**  
INTEGRATE YOUR APP VIA PROGRAMMABLE API.
-  **COMMUNITIES**  
YOUR DIGITAL REPOSITORY ON ZENODO.
-  **FUNDING**  
INTEGRATE INTO REPORTING FOR RESEARCH FUNDED BY EUROPEAN COMMISSION.
-  **FLEXIBLE LICENSING**  
NOT EVERYTHING IS UNDER CREATIVE COMMONS.

H2020: Option to gather, preserve and share project's scientific output



# Linking research results

Publications and data to projects

1 Identify project

2 Select Publications

3 Set access rights

- 3 easy steps
  - Identify projects (EC +)
  - Find publications/data
  - Set access rights



# Pub Claim

1 Identify project

2 Select Publications

3 Set access rights

Select Project(s)

Select funding agency:  FP7  
 WT

Type the project title or the acronym or

2 Publications / 2 Projects

Open Access Publications methods to import publications/data  
Publication DOI  
 ORCID (resolved via ORCID)

< Prev

Proceed

Select from publications...

9 documents, page 1 of 1

A Survey of Context-Aware Cross-Digital Libr  
Manola, Natalia (2012)

A survey of context-aware cross-digital libr  
Manola, Natalia (2011)

A Functionality Perspective on Digital Library  
Manola, Natalia (2010)

Selected Projects

[ECODRIVER](#)  
 [ELISA](#)

Selected Publications

[A Survey of Context-Aware Cross-Digital Library Personalization](#)  
 [A functionality perspective on digital library interoperability](#)

Set access rights

mm/dd/yyyy

Set access rights  
 Open Access  
 Closed Access  
 Embargoed Access  
 Restricted Access

< Prev

Finish







# View aggregated project scientific output

You can get to a project landing page through the use of our search/browse facilities and search for your project either by the name, acronym or project identifier.

**YOU MAY USE THE  
OPENAIRE SERVICES  
TO GET THE  
AGGREGATED PROJECT  
OUTPUT IN A FORMAT  
THAT YOU CAN USE FOR  
YOUR REPORTING OR  
MONITORING.**

### App Box

-  Publication details
-  Dynamically incorporate publications in your site (HTML)
-  View EC progress report (HTML)
-  Download EC progress report (CSV)

[Link Research Results](#)

[Deposit Publications](#)



# A project view

Project: ELISA

TITLE

European Light Sources Activities - Synchrotrons and Free EL

Publications Data Statistics

[view all 581](#)

8-1

## XAFS IN THE TRACKING OF REACTIONS IN AQUEOUS SOLUTION: A CASE OF REDOX REACTION BETWEEN [AuCl<sub>4</sub>]<sup>(-)</sup> COMPLEX IONS AND ETHANOL

Paclawski, K.; Sikora, M. (2012)  
Projects: ELISA (226716)

In this work the potential application of synchrotron radiation in the studies of reaction kinetics in aqueous phase were presented. After short introduction describing principles of technique and potential application of XAFS for the structural studies of reacting species, the experimental results of

ORGANIZATIONS

INFN, DESY, HZDR, KIT, Helmholtz-Zentrum Be, DESY, Helmholtz-Zentrum Geesthacht, EMBL, Synchrotron SOLEIL, KIT, FOM, CNRS, Synchrotron STIAS, HZDR, CNRS, CELLS, EMBL, INFN

MORE INFORMATION

[Detailed project information \(CORDIS\)](#)



## European light sources activities - synchrotrons and free electron lasers

From 2009-03-01 to 2011-08-31 | [ELISA website](#)

Europe has the largest and most advanced system of synchrotrons and free electron lasers (FELs): 17 operating facilities, several under construction, some 300 beamlines, 25,000-30,000 users per year from many disciplines (materials, chemistry, biology, medicine, physics, technology and others); this is also the world's largest experimental network. The system is an open resource for all scientists ...

### Project details

**Project reference:** 226716  
**Status:** Completed

**Total cost:** EUR 11 527 104  
**EU contribution:** EUR 10 000 000

**Programme acronym:** FP7-INFRASTRUCTURES  
**Subprogramme area:** INFRA-2008-1.1.1  
**Contract type:** Combination of CP and CSA

### Results

- Periodic Report Summary - ELISA (European light sources activities - synchrotrons and free electron lasers)

### Documents

- Periodic Report - ELISA (European light sources activities - synchrotrons and free electron lasers)

### Publications (436)

- Improved scintillation proportionality and energy resolution of LaBr<sub>3</sub>:Ce at 80 K  
Ivan V. Khodyuk - Mikhail S. Alekhin - Johan T. M. de Haas - Pieter Dorenbos
- Structure of the Dimeric Autoinhibited Conformation of DAPK2, a Pro-Apoptotic Protein Kinase  
Ashok K. Patel - Ravi P. Yadav - Viivi Majava - Inari Kursula - Petri Kursula
- Examination of the Coordination Sphere of Al(III) in Trifluoromethyl-Heteroarylalkenolato Complex Ions by Gas-Phase IRMPD Spectroscopy and Computational Modelling  
Lisa Brueckmann - Wieland Tyrra - Sanjay Mathur - Giel Berden - Jos Oomens - Anthony J. H. M. Meijer - Mathias Schaefer

# A project report

All project publications in HTML or CSV

## Publications of Project ELISA

445 publications

Title	Author	Publisher	Publication Date	Permanent Identifier	Access Mode	Embargo End Date
Low-temperature fabrication of layered self organized ge clusters by RF-sputtering	Pinto, S. R. C.	Springer Verlag	2011-04-14	<a href="http://hdl.handle.net/1822/15689">http://hdl.handle.net/1822/15689</a>	OPEN	
The high-resolution structure of the extracellular domain of human CD69 using a novel polymer	Kolenko, Petr	WILEY-BLACKWELL PUBLISHING, INC	2009-01-01	<a href="http://dx.doi.org/10.1107/S1744309109043152">http://dx.doi.org/10.1107/S1744309109043152</a>	CLOSED	
Structural and magnetic study of the annealing of Fe-Co nanoparticles	Desvaux, Celine	ROYAL SOC CHEMISTRY	2010-01-01	<a href="http://dx.doi.org/10.1039/b916294a">http://dx.doi.org/10.1039/b916294a</a>	CLOSED	
Neuroprotective action of FK-506 (tacrolimus) after seizures induced with pilocarpine: quantitative and topographic elemental analysis of brain tissue	Chwiej, Joanna	SPRINGER	2010-01-01	<a href="http://dx.doi.org/10.1007/s00775-009-0597-2">http://dx.doi.org/10.1007/s00775-009-0597-2</a>	CLOSED	
Energy band structure and optical response function of hexagonal B(12)As(2): A spectroscopic ellipsometry and first	Belcheva, S.	AMER PHYSICAL SOC	2010-01-01	<a href="http://dx.doi.org/10.1103/PhysRevB.81.075114">http://dx.doi.org/10.1103/PhysRevB.81.075114</a>	CLOSED	

Still missing: **One click away to EC project reporting systems**





# Monitoring OA policy

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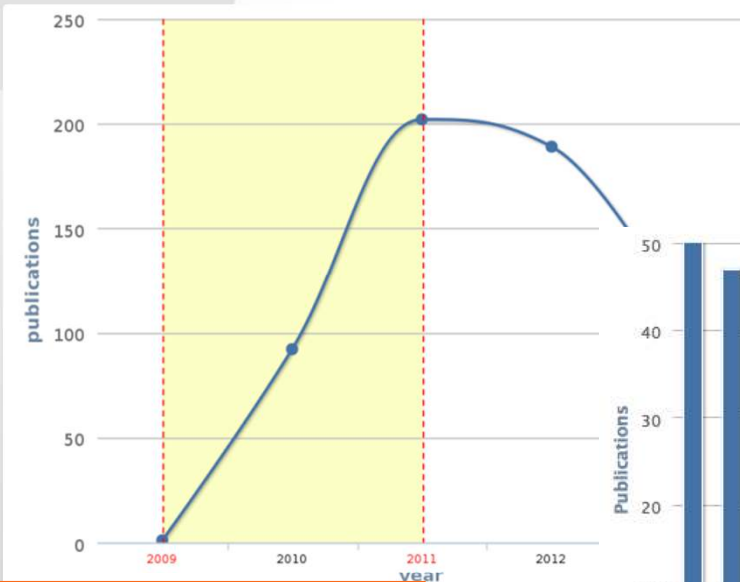




# Statistics

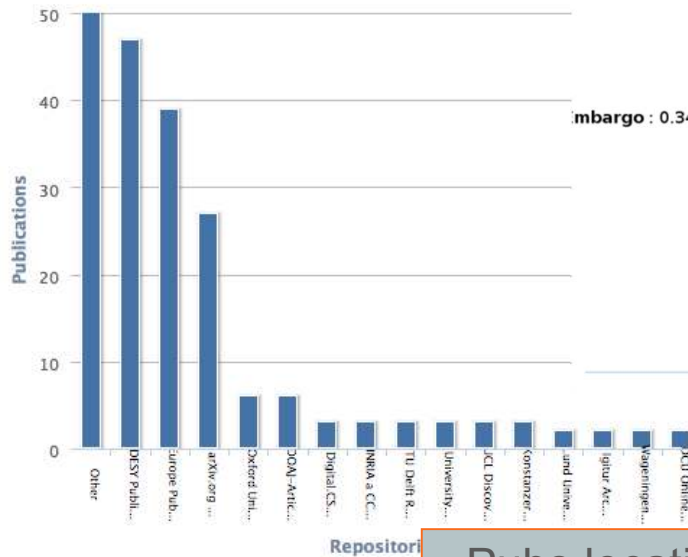
- **Individual statistics**
  - Project, publication/data (usage), author
- **Aggregated statistics over**
  - Funding agency, programme, scientific area, country, institution
  - OA evaluation
- **Advanced statistics based on content classification and clustering**

# Project statistics

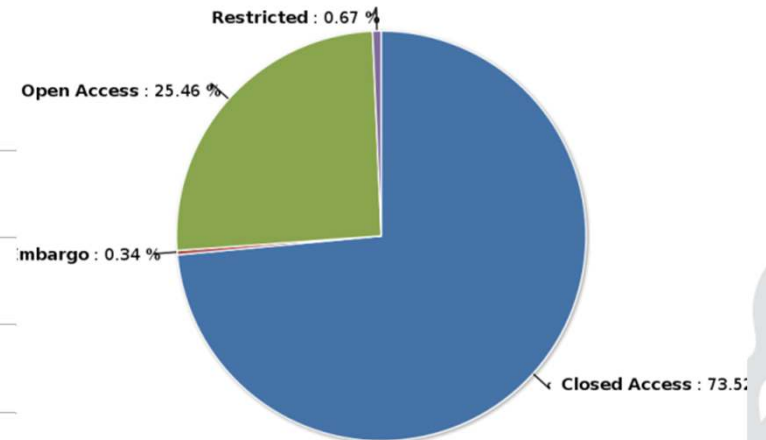


Project productivity over time

Post project monitoring

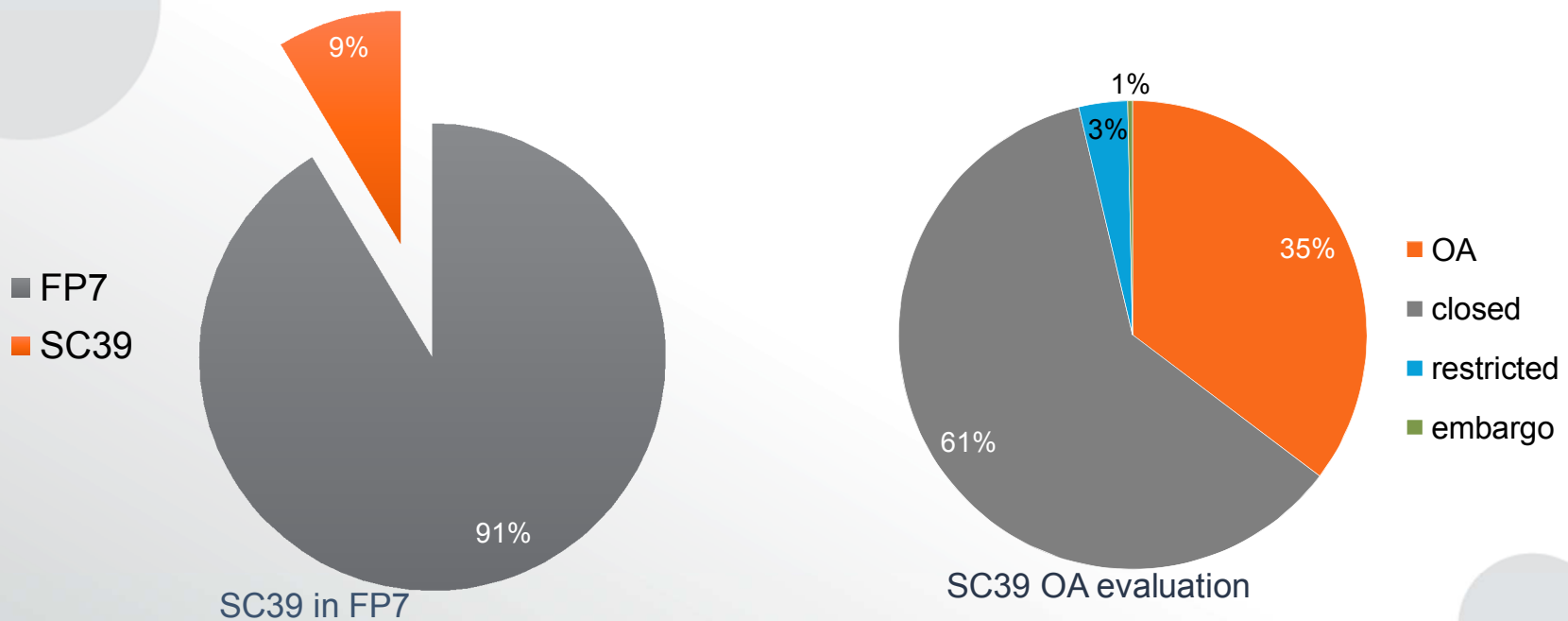


Pubs location



OA mandate conformance

# Monitoring OA policies



## FP7 OA pilot evaluation



# Funders

Evidence based policy making

- Overall policy monitoring
- Scientific outcome reporting
- First step in impact assessment
  - Links to advanced indicators
  - Return on Investment







# DEMO

## Project publications

4/4





# DEMO

**Project publications**

**Project view and statistics**





## Two use case scenarios

FROM AN INSTITUTIONAL  
REPOSITORY  
>> TO OPENAIRE

FROM ZENODO  
>> TO OPENAIRE AND THEN  
>> TO PROJECT WEBSITE



**EURO-BASIN**  
BASIN SCALE ANALYSIS, SYNTHESIS AND INTEGRATION





## Deposit on RepositóriUM

Universidade do Minho | Documentação Científica | Search Portal | Bibliográfico Catalogue

Universidade do Minho e Instituto de Investigação em Ciências da Vida e da Saúde (I3CVS) | Artigos em Revistas Internacionais com Referência

Please use this identifier to cite or link to this item: <http://hdl.handle.net/1822/21091>

View statistics of this item  
Citations in Scopus (View records in Scopus)

**Title:** Disconnection and reconnection: the morphological basis of (mal)adaptation to stress

**Authors:** Sousa, Nuno Almeida, O. F. X.

**Keywords:** Stress; Cognition; Emotion; Plasticity; Glucocorticoids

**Issue date:** 30-Nov-2012

**Publisher:** Elsevier

**Abstract:** Maladaptive responses to stress and the associated hypersecretion of glucocorticoids cause psychopathologies ranging from hyperemotional state mood dysfunction to cognitive impairments. Research in both humans and animal models has begun to identify morphological correlates of these functional changes. These include dendritic and synaptic reorganization, glial remodeling, and altered cell fate in cortical and subcortical structures emerging view is that stress induces a 'disconnection syndrome' whereby the transmission and integration of information that are critical for orchestrating appropriate physiological and behavioral responses are perturbed. High-resolution spatiotemporal mapping of the complete neural circuitry and identification of the cellular processes impacted by stress will help to advance discovery of strategies to reduce or reverse the burden of stress-related neuropsychiatric disorders.

**Type:** article

**Description:** We would like to thank Antonio Pinheiro, Hugo Almeida, and José Miguel Soares for help with the illustrations. We also thank all past and present members of our laboratories for stimulating discussions.

**URI:** <http://hdl.handle.net/1822/21091>

**DOI:** [10.1016/j.tins.2012.08.006](https://doi.org/10.1016/j.tins.2012.08.006)

**ISSN:** 0166-2236

**Publisher version:** <http://www.sciencedirect.com/science/article/pii/S0166223612001543>

**Peer-Reviewed:** yes

**Appears in Collections:** ICVS - Artigos em Revistas Internacionais com Referência

File	Description	Size	Format	View/Open
Sousa_N_Trends Neurosci 2012.pdf	Versão PostPrint	1,42 MD	Adobe PDF	View/Open

<http://repositorium.sdum.uminho.pt/handle/1822/21091>



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# 1st use case scenario



Switchbox

## Visible and aggregated on OpenAIRE portal

OpenAIRE

Home | Search | Find

PARTICIPATE DEPOSIT JOIN | SEARCH PUBLICATIONS, DATA, PROJECTS | STATISTICS DA, PROJECTS, TOPICS | SUPPORT FAQ, HELPDESK, GUIDES | OPEN ACCESS IN EUROPE

Disconnection and reconnection: the morphological basis of (mal)adaptation to stress

Sousa, Nuno; Almeida, O. F. X. (2012)  
ELSEVIER SCIENCE LONDON

English

Article

Neurosciences & Neurology, Stress, Emotion, Plasticity, Glucocorticoids, Cognition

Identifiers: [doi:10.1016/j.tins.2012.08.006](https://doi.org/10.1016/j.tins.2012.08.006)

Maladaptive responses to stress and the associated hypersecretion of glucocorticoids cause psychopathologies ranging from hyperemotional states and mood dysfunction to cognitive impairments. Research in both humans and animal models has begun to identify morphological correlates of these functional changes. These include dendritic and synaptic reorganization, glial remodeling, and altered cell fate in cortical and subcortical structures. The emerging view is that stress induces a 'disconnection syndrome' whereby the transmission and integration of information that are critical for orchestrating appropriate physiological and behavioral responses are perturbed. High-resolution spatiotemporal mapping of the complete neural circuitry and identification of the cellular processes impacted by stress will help to advance discovery of strategies to reduce or reverse the burden of stress-related neuropsychiatric disorders.

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Published in

TRENDS IN NEUROSCIENCES

Funded by projects

European Commission: NINA (238665)

European Commission: SWITCHBOX (259772)

<https://www.openaire.eu>

### SWITCHBOX

TITLE	Switchbox: Maintaining health in old age through homeostasis
FUNDER	FP7
FUNDING STREAM	SP1
SCIENTIFIC AREA	HEALTH
CALL	FP7-HEALTH-2010-two-stage
CONTRACT (GA) NUMBER	259772
START DATE	01/02/2011
END DATE	31/01/2015
SPECIAL CLAUSE 39	yes
ORGANIZATIONS	UMINHO, IEM HAS, MPG, CNRS, LUMC, LMU MUENCHEN
MORE INFORMATION	<a href="#">Detailed project information (CORDIS)</a>

Publications | Data | Statistics

[view all 34](#)

#### Modulation of iron metabolism in aging and in Alzheimer's disease: relevance of the choroid plexus

Mesquita, Sandro; Ferreira, A. C.; Sousa, João Carlos; Santos, Nadine Correia; Neves, M. Correia; Sousa, Nuno; Palha, Joana Almeida; Marques, Fernanda (2012)  
Projects: SWITCHBOX (259772)

**Refine by** 34 documents, page 1 of 4

Document Type

- Article (31)
- Review (3)
- Unknown (1)
- Conference object (1)

Document Language

- English (32)

Funder

- European Commission (34)

Funding Stream

- Cooperation (34)
- People (1)

Scientific Area

- Family Longevity Is Marked by Genetic and Environmental Factors: The Leiden Longevity Study

**Publication Year**

- 2012 (18)
- 2013 (14)
- 2011 (1)

**Access Mode**

- Open Access (16)
- Closed Access (15)
- Restricted (3)

**Datasource**

- Unknown Repository (24)
- ZENODO (13)
- Europe PubMed Central (12)
- Universidade do Minho... (10)
- Repositório Aberto d... (2)
- [View more](#)

# 2nd use case scenario

## Publications deposited on Zenodo

EURO-BASIN, North Atlantic Marine Ecosystem Research

Recent Uploads

**06 June 2014** **Journal article** **Open access**

**Fishing out collective memory of migratory schools**  
De Luca, Giancarlo ; Mariani, Patrizio ; MacKenzie, Brian R. ; Marsili, Matteo

Animals form groups for many reasons, but there are costs and benefits associated with group formation. One of the benefits is collective memory. In groups on the move, social interactions play a crucial role in the cohesion and the ability to make ...

Uploaded by vthorne on 12 June 2014.

**30** [View](#)

**01 January 2014** **Journal article** **Open access**

**The mystery of Microsetella: combination of sac- and broadcast-spawning in an Arctic fjord**  
Koski, Marja ; Swailethorp, Rasmus ; Kjellerup, Sanne ; Nielsen, Torkel Gissel

Different life-history stages of the pelagic harpacticoid *Microsetella norvegica* were sampled in a Greenland fjord, to investigate how this slowly growing species can achieve high abundances at low temperatures. We expected low but continuous ...

Uploaded by vthorne on 27 May 2014.

**1** [View](#)

**20 February 2014** **Journal article** **Open access**

**The role of mixotrophic protists in the biological carbon pump**  
Mitra, A. ; Flynn, K. J. ; Burkholder, J. M. ; Berge, T. *et al*

The traditional view of the planktonic food web describes consumption of inorganic nutrients by photoautotrophic phytoplankton, which in turn supports zooplankton and ultimately higher trophic levels. Pathways centred on bacteria provide mechanisms for ...

Uploaded by vthorne on 16 May 2014.

**1** [View](#)

Community collection

**EURO-BASIN, North Atlantic Marine Ecosystem Research**

*EC FP7 EURO-BASIN* is designed to advance our understanding on the variability, potential impacts, and feedbacks of global change and anthropogenic forcing on the structure, function and dynamics of the North Atlantic and associated shelf sea ecosystems as well as the key species influencing carbon sequestering and ecosystem functioning.

**Title:** EURO-BASIN, North Atlantic Marine Ecosystem Research  
**Curated by:** ivognigorov  
**Curation policy:** Open Access Gold, Open Access Green (postprints after with stated embargo period)  
**Created:** 2013-09-11  
**Harvesting API:** OAI-PMH Interface

[Read more](#)

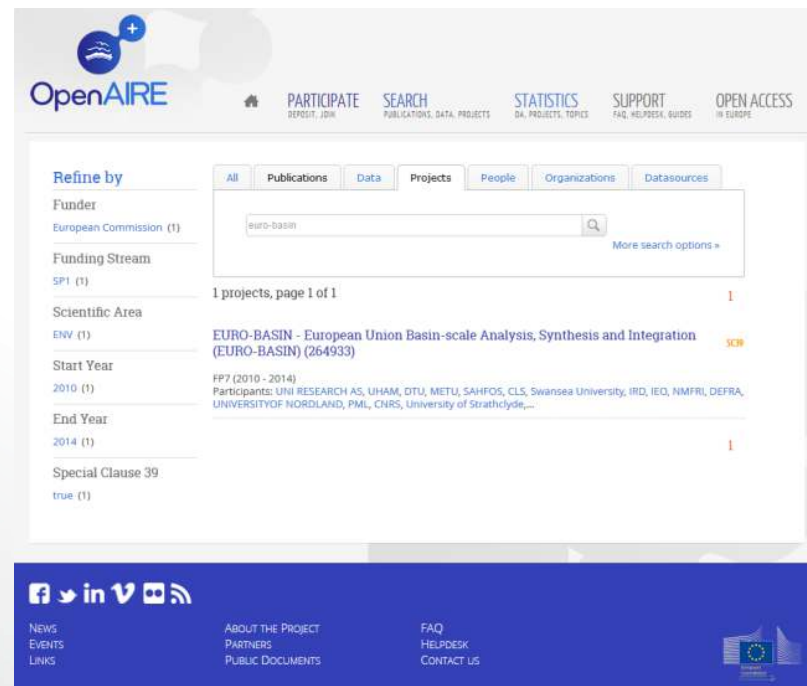
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[Upload](#)

• Click the button to upload straight to this community.

<https://zenodo.org/communities>

## Projecto info on OpenAIRE portal



OpenAIRE

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Refine by: All, Publications, Data, Projects, People, Organizations, Datasources

Funder: European Commission (1)

Funding Stream: SP1 (1)

Scientific Area: ENV (1)

Start Year: 2010 (1)

End Year: 2014 (1)

Special Clause 39: true (1)

1 projects, page 1 of 1

**EURO-BASIN - European Union Basin-scale Analysis, Synthesis and Integration (EURO-BASIN) (264933)**

FP7 (2010 - 2014)  
Participants: UNI RESEARCH AS, UHAM, OTU, METU, SAHFOS, CLS, Swansea University, IIR, IEO, NMFRI, DEFRA, UNIVERSITYOF NORDLAND, PML, CNRS, University of Strathclyde,...

ABOUT THE PROJECT | PARTNERS | PUBLIC DOCUMENTS | NEWS | EVENTS | LINKS | FAQ | HELPDESK | CONTACT US

<http://tinyurl.com/ol6tdky>



## EURO-BASIN

TITLE	European Union Basin-scale Analysis, Synthesis and Integration (EURO-BASIN)
FUNDER	FP7
FUNDING STREAM	SP1
SCIENTIFIC AREA	ENV
CALL	FP7-ENV-2010
CONTRACT (GA) NUMBER	264933
START DATE	31/12/2010
END DATE	30/12/2014
SPECIAL CLAUSE 39	yes
ORGANIZATIONS	UNI RESEARCH AS, UHAM, DTU, METU, SAHFOS, CLS, Swansea University, IRD, IEO, NMFRI, DEFRA, UNIVERSITY OF NORDLAND, PML, CNRS, University of Strathclyde, UEA, AU, HAVFORSKNINGSINSTITUTTET, UPMC, NERC, INSTITUT FRANCAIS DE RECHERCHE POUR L'EXPLOITATION DE LA MER, UNIVERSITAET BREMEN, AZTI-Tecnalia, HAFRANNSOKNASTOFNUNN
MORE INFORMATION	<a href="#">Detailed project information (CORDIS)</a>

**App Box**

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[View EC progress report \(HTML\)](#)

[Download EC progress report \(CSV\)](#)

[Link Research Results](#)  
[Deposit Publications](#)

**Publication Year**

2012 (23)  
 2013 (19)  
 2010 (17)  
 2014 (15)  
 2011 (5)

---

**Access Mode**

Open Access (77)  
 Closed Access (2)

The screenshot shows the 'Publications List' section of the EURO-BASIN website. It includes a search bar, a list of publications with titles and authors, and a sidebar with navigation options and a 'How to acknowledge EURO-BASIN' section.

The screenshot shows the CORDIS 'EU Research Projects' page for the EURO-BASIN project. It displays project details such as the reference number (264933), start and end dates, and a list of publications. A 'view all 79' link is visible at the bottom of the list.

79 documents, page 1 of 8

**Ecological modelling in a sea of variable stoichiometry: Dysfunctionality and the legacy of Redfield and Monod**

Flynn, Kevin J. (2010)  
 Projects: EURO-BASIN (264933)

Traditionally models of oceanic pelagic ecology, which also lay at the heart of general circulation models used for climate change simulations and of models describing coastal ecosystem dynamics have employed descriptions of plankton that assume fixed Redfield elemental compositions as inputs for rectangular-hyperbolic Monod-type, Holling type II descriptions of resource-limited growth and predation kinetics. The performances of Redfield-Monod and variable stoichiometric models are compared.

**Top-down, bottom-up or middle-out? Avoiding extraneous detail and over-generality in marine ecosystem models**

Allen, J.; Fulton, E. (2010)  
 Projects: EURO-BASIN (264933)

The paper by Hainaut et al. (this volume) invokes foodwebs theory and the ideas of complexity theory to guide the construction of models of intermediate complexity, which sacrifice explicit process detail to increase the number of interacting components of the system and simulate the web of feedback loops. This approach has its merits, if best practice modelling guidelines are followed and the method is used well. However, if this is not the case then the fundamental weaknesses of the intermediate...

**Stepwise building of plankton functional type (PFT) models: A feasible route to complex models?**

Frede, Thengstad; Espen, Strant, Aud, Larsen (2010)  
 Projects: EURO-BASIN (264933)

We discuss the strategy of building models of the lower part of the planktonic food web in a stepwise manner: starting with low plankton functional types (PFTs) and adding resolution and complexity while carrying along the insight and results gained from simpler models. A central requirement for PFT models is that they allow sustained coexistence of the PFTs. Here we discuss how this identifies a need to consider predation, parasitism and defence mechanisms together with nutrient acquisition...

<http://tinyurl.com/l2garx6>



# PROJECT PUBLICATIONS



**Refine by** 79 documents, page 1 of 8

**Document Type**  
 Article (78)  
 Review (4)  
 Unknown (2)  
 Book (1)  
 Doctoral thesis (1)

**Document Language**  
 English (66)  
 Undetermined (13)

**Funder**  
 European Commission (79)

**Funding Stream**  
 Cooperation (79)  
 People (1)

**Scientific Area**  
 ENV (79)  
 KBSE (3)  
 PEOPLE (1)

**Publication Year**  
 2012 (23)  
 2013 (19)  
 2010 (17)  
 2014 (15)  
 2011 (5)

**Access Mode**  
 Open Access (77)  
 Closed Access (2)

**Datasource**

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**Navigation mechanisms of herring during feeding migration: the role of ecological gradients on an oceanic scale**  
 Brøn, Cecilie Helge; Wehler, Horst; Johs, K. (2013)

**App Box**

- Publication details
- Dynamically incorporate publications in your site (HTML)
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Publications listed in FP7 e-Infrastructure OpenAIRE: (incl. 19 publications from a Special Issue in Progress in Oceanography 84, 2010 based on which the project proposal was constructed).

### Publications of Project European Union Basin-scale Analysis, Synthesis and Integration (EURO-BASIN) (EURO-BASIN - FP7-ENV-2010)

- Ecological modelling in a sea of variable stoichiometry: Dysfunctionality and the legacy of Redfield and Monod  
Flynn, Kevin J.  
2010
- Top-down, bottom-up or middle-out? Avoiding extraneous detail and over-generality in marine ecosystem models  
Allen, J.; Fulton, E.  
2010
- Stepwise building of plankton functional type (PFT) models: A feasible route to complex models?  
Frede, Thingstad; Espen, Strand; Aud, Larsen  
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- Patchy zooplankton grazing and high energy conversion efficiency: ecological implications of sardine behavior and strategy  
Dauvin, Mikael; Christensen, Asbjørn; Rindorf, Anne  
2013
- Spatial Segregation within the Spawning Migration of North Eastern Atlantic Mackerel (Scomber scombrus) as Indicated by Juvenile Growth Patterns  
Jensen, Thomas; Campbell, Andrew; Dornel, Thomas; Worsøe Clausen, Lette  
2013
- The Nordic Seas carbon budget: Sources, sinks, and uncertainties  
Jensen, Erik; Olsen, Arne; Eldred, Jon; Skjelvan, Ingvald; Oms, Abdelhakem M.; Loefer, Siv K.; Ribben, Jan-Evart; Sallust, Richard G. J.; Johannessen, Tor; Falck, Eva  
2014
- Pelagic community production and carbon-nutrient stoichiometry under variable ocean acidification in an Arctic fjord  
Silyakova, A.; Sallust, R. G. J.; Schaub, K. G.; Cramy, J.; Tanaka, T.; Nordal, G.; Elvén, U.; Engel, A.; Lørring, T.; Ludvig, A.  
2015
- Long-term trends in carbon, nutrients and stoichiometry in Norwegian coastal waters: Evidence of a regime shift  
Frigstad, Helene; Anderson, Tor; Heisson, Dag O.; Jonsson, Erik; Skogen, Morten; Nauvaas, Lene; Håkonsen, Martin R.; Johannessen, Tor; Sallust, Richard G. J.  
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- Variation in the seston C:N ratio of the Arctic Ocean and pan-Arctic shelves  
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