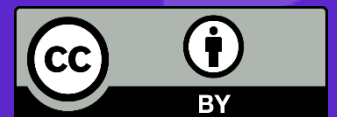


# Welcome from the Software and Source Code College

**Roberto Di Cosmo**, co-chair Software and Source Code College  
Director, Software Heritage, Inria and Université Paris Cité

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roberto@dicosmo.org





# The software college today

## Chairs



**Roberto  
Di Cosmo**

Computer Science  
Professor, Director of  
Software Heritage,  
Inria and Université  
Paris Cité



**François  
Pellegrini**

Computer Science  
Professor, VP french  
data protection agency  
(CNIL), Université de  
Bordeaux

## Members

- Florent **CHUFFART** (Université Grenoble Alpe)
- Mélanie **CLÉMENT-FONTAINE** (Université Paris-Saclay - Versailles Saint-Quentin)
- Ludovic **COURTÈS** (Inria)
- Sébastien **GÉRARD** (Université Paris-Saclay, CEA, List)
- Mathieu **GIRAUD** (CNRS, Université de Lille)
- Timothée **GIRAUD** (CNRS)
- Jean-Yves **JEANNAS** (Université de Lille, AFUL)
- Nicolas **JULLIEN** (IMT Atlantique)
- Daniel **LE BERRE** (Université d'Artois, CNRS)
- Violaine **LOUVET** (CNRS / Laboratoire Jean Kuntzmann - Université Grenoble Alpes)
- Chiara **MARMO** (Université Paris Saclay)
- Camille **MAUMET** (Inria, Univ Rennes, CNRS, Inserm)
- Clémentine **MAURICE** (CNRS)
- Grégory **MIURA** (Université Bordeaux Montaigne)
- Raphaël **MONAT** (Inria Université de Lille)
- Sophie **RENAUDIN** (AP-HP)
- Jeanne **ROBINEAU** (IRD)
- Nicolas **ROUGIER** (Inria, Université de Bordeaux, CNRS)
- François **SABOT** (IRD - Mission Science Ouverte)
- Sylvie **TONDA-GOLDSTEIN** (Inria)
- Samuel **THIBAUT** (Université de Bordeaux)

# Five working groups for five challenges

WG 1: **Identification and promotion of software production**  
(co-chairs : *Violaine Louvet, Gregory Miura*)

WG 2: **Tools and best technical and social practices**  
(co-chairs : *Daniel Le Berre, Jean-Yves Giannas*)

WG 3: **Valorization and sustainability** (chair : *Sylvie Tonda-Goldstein*)

WG 4: **Skills network / International alignment** (chair : *Nicolas Rougier*)

WG 5: **Recognition and careers** (co-chairs : *Mathieu Giraud, Sophie Renaudin*)



# Selected productions

## Opportunity note on research software



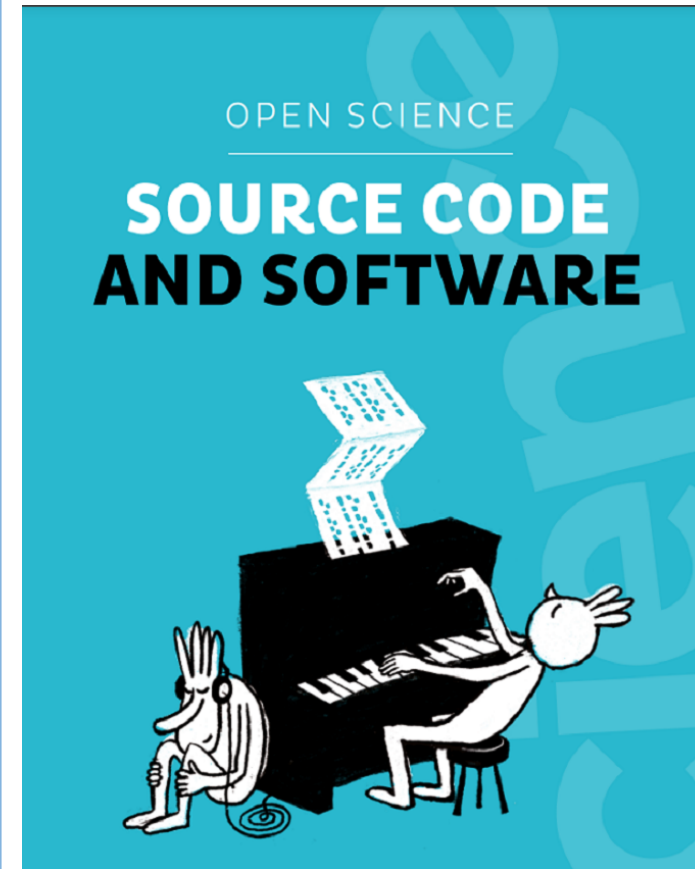
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## Guide for PhD students



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# Selected productions

## Blueprints for a research software award

OPEN LETTER 

### Establishing a national research software award [version 1; peer review: 2 approved]

Isabelle Blanc Catala , Roberto Di Cosmo , Mathieu Giraud , Daniel Le Berre ,

Violaine Louvet , Sophie Renaudin,

College of experts for source code and software Committee for Open Science

This article is included in [Software gateway](#)



Article

Authors

Metrics

### Abstract

Software development has become an integral part of the scholarly ecosystem, spanning all fields and disciplines. To support the sharing and creation of knowledge in line with open science principles, and particularly to enable the reproducibility of research results, it is crucial to make the source code of research software available, allowing for modification, reuse, and distribution.

Recognizing the significance of open-source software contributions in academia, the second French Plan for Open Science, announced by the Minister of Higher Education and Research in 2021, introduced a National Award to promote open-source research software. This award serves multiple objectives: firstly, to highlight the software projects and teams that have devoted time and effort to develop outstanding research software, sometimes for decades, and often with little recognition; secondly, to draw attention to the importance of software as a valuable research output and to inspire new generations of researchers to follow and learn from these examples.

We present here an in-depth analysis of the design and implementation of this unique initiative. As a national award established explicitly to foster Open Science practices by the French Minister of



## Report on Software Forges in Academia



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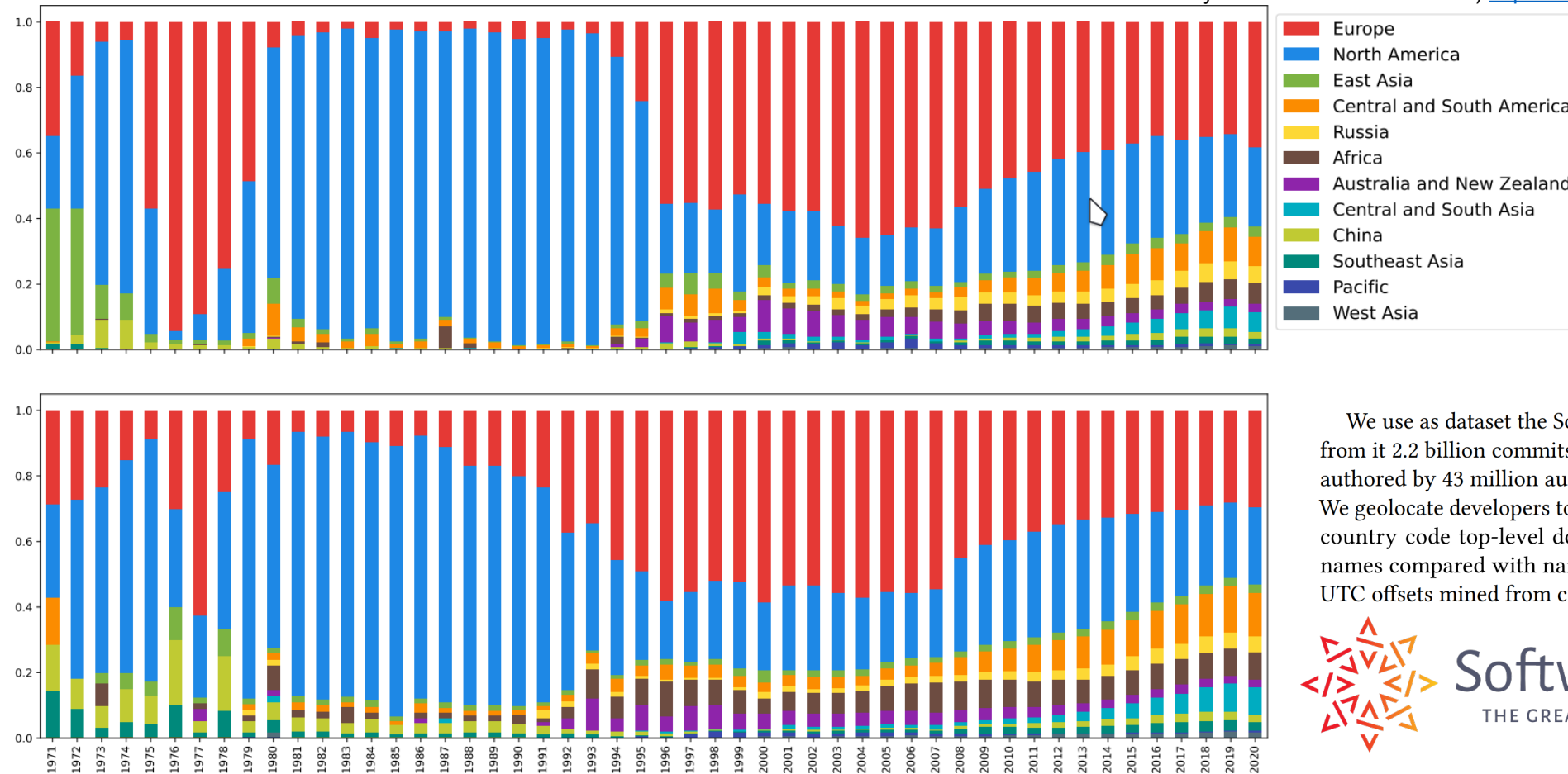


# Software is naturally international

MSR '22, May 23–24, 2022, Pittsburgh, PA, USA

Davide Rossi and Stefano Zacchiroli

Geographic Diversity in Public Code Contributions: An Exploratory Large-Scale Study Over 50 Years. MSR 2022) <https://doi.org/10.1145/3524842.3528471>



We use as dataset the Software Heritage archive [3] and analyze from it 2.2 billion commits archived from 160 million projects and authored by 43 million authors during the 1971–2021 time period. We geolocate developers to 12 world regions, using as signals email country code top-level domains (ccTLDs) and author (first/last) names compared with name distributions around the world, and UTC offsets mined from commit metadata.



**Figure 3: Ratio of commits (above) and active authors (below) by world zone over the 1971–2020 period.**

# Let's work together to build the Software Pillar of Open Science (SPOS)

The program is here

