



**ERCIM**

European Research Consortium  
for Informatics and Mathematics

# European Research Consortium for Informatics and Mathematics

January 2024



# ERCIM

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for Informatics and Mathematics

## Objectives (1)

Contributing to a leading role of Europe in ICT:

- by building a European-wide, open network of centres of excellence in ICT.
- by excelling in research and by acting as a bridge to applications.
- by being internationally recognized as a major representative organisation in its field; the portal which gives access to all relevant ICT research groups in Europe.



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## Objectives (2)

- by acting as an interface for the non-EU member institutions within the European Community and other international organisations.
- by cooperating with other international organisations in its field.
- by promoting cooperation in research, technology transfer, innovation and training.

**Thus creating added value for its members,  
for their countries and for Europe.**

The **ERCIM community** is supported by a **Consortium of two bodies:**

**ERCIM AISBL**, an international non-profit association under Belgian law, carrying on the activities of ERCIM concerning collaborative research, networking, and support.

**ERCIM EEIG**, the European Economic Interest Grouping, the European Economic Interest Grouping, responsible for managing the ERCIM Office and hosting the W3C European Host.



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European Research Consortium  
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ERCIM is a consortium of leading European research institutions committed to information technology and applied mathematics.



UNIVERSIDAD DE MÁLAGA



## Members



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## Members

Member	Country	Size*	Member since
CNR	Italy	250	1991
CWI	The Netherlands	200	1989 (founding member)
Fraunhofer (ICT)	Germany	1750	1989 (founding member, formerly GMD)
FNR	Luxembourg	150	2002
★ FORTH (ICS)	Greece	200	2000
★ Inria	France	1800	1989 (founding member)
INESC TEC	Portugal	800	2012
ISI	Greece	50	2008
ITIS-UMA	Spain	150	2023
NTNU	Norway	800	2002
RISE	Sweden	110	1992
SBA	Austria	50	2013
SZTAKI	Hungary	350	1994
UCY	Cyprus	100	2011
UWAW	Poland	250	2007
VTT (IT)	Finland	400	1993

\* estimated staff (FTE) in areas relevant to ERCIM

★ Members  
of ERCIM EEIG

## ERCIM AISBL President

Björn Levin

RISE-SICS, Sweden

## ERCIM EEIG President

Bruno Sportisse

President of Inria, France

## ERCIM Office

Manager: Dominique Hazaël-Massieux

**ERCIM considers it a high priority to develop cooperation with scientists all over the world. ERCIM:**

- hosts the European branch of the World Wide Web Consortium
- participates in EU activities
- has established contacts/cooperation with
  - Informatics Europe
  - European Mathematical Society
  - ETSI, the European Telecommunications Standards Institute
  - European Science Foundation
  - EFICST



**With a pool of IT experts from many European institutes, ERCIM has carried out:**

- Evaluations for the World Bank's INFODEV Programme
- Promotion activity for the EU IST Programme in Latin America
- Organization of strategic workshops (Beyond-The-Horizon, EU-Mediterranean co-operations, EU-US National Science Foundation strategic workshops, EU-India)
- Studies for the EC such as: Cooperation in Grid research between EU and South East Asian countries; Internet in the Mediterranean Region, Tunisian Research in IT, HPCN in the southern Mediterranean Region
- Consultancy in research project management.



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## **ERCIM, the European Partner of W3C**

ERCIM EEIG hosted the European headquarters of W3C in January 2003

Two of the European Chapters are currently based at ERCIM institutes, namely at FORTH (Greece) and SZTAKI (Hungary).

Originally, W3C Offices were located at the ERCIM institutes CWI, Fraunhofer-Gesellschaft, FORTH, SZTAKI, CNR, RISE/SICS and STFC).



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## **Present Links with W3C**

- ERCIM members involved in Internet/Web research
- Participation in W3C working groups
- Three ERCIM members host W3C Chapters
- Joint participation in EU projects.

## **Potential for the Future**

- ERCIM: research in Web technologies
- W3C: technology transfer and Web standards adoption by EU industry
- Broader base in Europe for W3C
- Increased European participation in Web standardisation
- W3C – ERCIM joint Horizon Europe projects.

### **ERCIM participates in research projects as coordinator or partner**

**Scientific activities:** carried out by ERCIM members

**Administrative tasks:** carried out by the ERCIM office.

Through ERCIM, our member  
institutes have participated in more  
than 100 EU-funded projects

### **Current/recent projects include:**

- TERMINET - Next generation smart interconnected IoT
- CIRPASS - Collaborative Initiative for a Standards-based Digital Product Passport for Stakeholders-Specific Sharing of Product Data for a Circular Economy
- NEPHELE - Future European platforms for the Edge -A lightweight software stack and synergetic meta-orchestration framework for the next generation compute continuum
- SMARTEDGE - Semantic Low-code Programming Tools for Edge Intelligence

See <https://www.ercim.eu/activity/projects>

- Computational and Methodological Statistics
- Dependable Software-Intensive Embedded Systems
- Ethics – Beyond Compliance
- Formal Methods for Industrial Critical Systems
- Image and Video Understanding (MUSCLE)
- Security and Trust Management

- Organise workshops
- Prepare common projects
- Receive fellows from ERCIM's fellowship programme
- Are entitled to financial support

- Open to PhDs, world-wide
- Over 750 fellowships awarded since 1990
- **12 months duration at an ERCIM institute (with possible extension)**
- **Includes exchange programme for a short visit in a second ERCIM institute (Research Exchange Programme)**
- **Competitive salary**

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ERCIM has helped me not only in shaping my career with a global level exposure but also opened new avenues for a world class research and network opportunity. ERCIM is a masterpiece program in its own way and enables researchers to expand their arms for a bright and fun filled research experience.



**Nishu GUPTA**  
Former ERCIM Fellow



### Cor Baayen Young Researcher Award

- awarded every year to a promising young researcher in computer science and applied mathematics.
- created in 1995 to honour the first ERCIM President.
- consists of a cheque for 5000 Euro together with an award certificate.

#### Latest Winners:

- 2023: Rianne de Heide
- 2022: Fabio Carrara
- 2021: Tomasz Kociumaka
- 2020: Stefano Cresci

See: <https://www.ercim.eu/human-capital/cor-baayen-award>



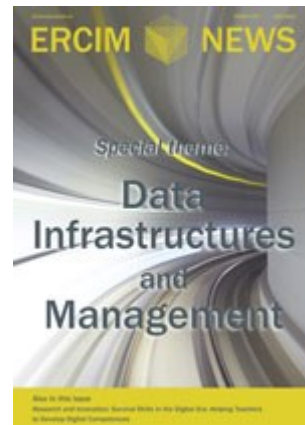
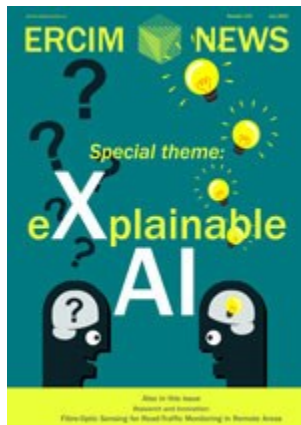
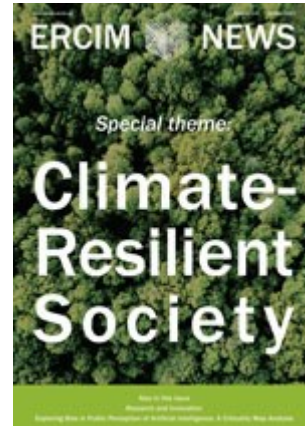


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## Outreach

### ERCIM News



- Quarterly magazine
- Free subscription
- Published in print and online
- Referenced by dblp
- Each issue features a special theme
- About 120 articles published per year

See: <https://ercim-news.ercim.eu>



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## Further information

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