



**ERCIM**

European Research Consortium  
for Informatics and Mathematics

# European Research Consortium for Informatics and Mathematics

January 2016

*Cooperating for Excellence in Research*



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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- 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.**



# ERCIM

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## Organisational Structure

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

**ERCIM AISBL** an international non for 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.



# ERCIM

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

## Members



*Cooperating for Excellence in Research*



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## Members

Member	Country	Size*	Member since
★ CNR (IT)	Italy	250	1991
★ CWI	The Netherlands	200	1989 (founding member)
★ Fraunhofer (ICT)	Germany	1750	1989 (founding member, formerly GMD)
FNR	Luxembourg	150	2002
FNRS/FWO	Belgium	1000	2004
★ FORTH (IT)	Greece	200	2000
★ Inria	France	1800	1989 (founding member)
ISI	Greece	50	2012
NTNU	Norway	800	2002
INESC	Portugal	800	2008
SBA	Austria	50	2013
SICS	Sweden	110	1992
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



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## ERCIM AISBL President

Domenico Laforenza

Director of IIT-CNR, Italy

## ERCIM EEIG President

Antoine Petit

President of Inria, France

## ERCIM Office

Manager: Philipp Hoschka



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## International Cooperation

**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





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**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: Cooperations 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 Host of W3C**

- ERCIM EEIG became the European host of W3C in January 2003

### **W3C Europe, Middle East and Africa**

- About 150 members
- Five of the European W3C Offices are based at ERCIM institutes, namely at CWI
- (Benelux); FORTH (Greece); SZTAKI (Hungary); CNR (Italy) and SICS (Sweden).



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## **Present Links with W3C**

- ERCIM members involved in Internet/Web research
- Participation in W3C working groups
- Five ERCIM members host national W3C Offices
- 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 H2020 projects.



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## Science coordination

### Research 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 80 EU-funded projects



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## Science coordination

### Research Projects

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

BigDataEurope, d-cent, BlueBRIDGE, COMPOSE, PaaSage, SmartOpenData, WAI-DEV

#### **Past projects:**

ABCDE, AXES, eAccess+, CROSSOVER, i-Marine, SERENOA,, VOICES, WAI-ACT, WEBINOS, and many others.



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## Science coordination

### Working Groups

- Computational and Methodological Statistics
- Dependable Software-Intensive Embedded Systems
- Formal Methods for Industrial Critical Systems
- Image and Video Understanding (MUSCLE)
- Many-Valued Logics
- Media Technology and Edutainment
- Security and Trust Management
- Software Evolution
- Software Engineering for Resilient Systems

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



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## Science coordination

### Expert Groups

- Big Data
- Security and Privacy
- Open Access

- Are established on the initiative of the ERCIM Board to investigate current topics
- Limited period
- Produce strategic papers to coordinate relevant activities of common interest
- Receive financial support



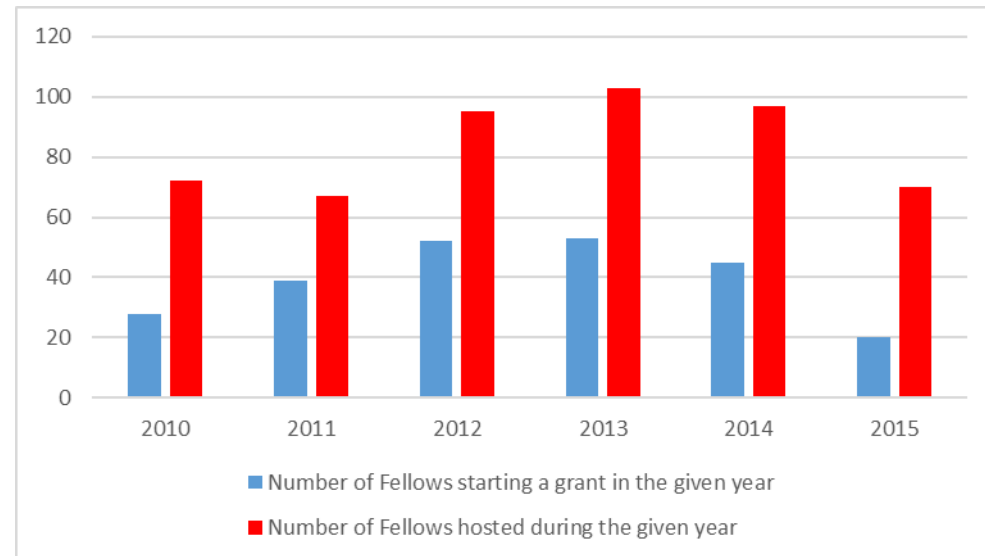
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## Human Capital

### Postdoctoral Fellowship Programme

- Open to PhDs, world-wide
- Over 350 fellowships awarded since 1990
- 12 months duration at an ERCIM institute
- Co-funded by the EC Marie-Curie Co-fund program from 2012-2015
- Includes exchange programme for a short visit in a second ERCIM institute (Research Exchange Programme)
- Competitive salary







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## Human Capital

### Cor Baayen Award

### Cor Baayen 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:

2016: Michał Pilipczuk

2015: Zuzana Kukelova

2014: Juan Reutter

2013: Julien Marial

2012: Paweł Parys

2011: Stratos Idreos and Luca Mottola



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## Outreach

### ERCIM News



- Quarterly magazine
- Free subscription
- Published in print (circulation 5000 copies) and online (+7500 subscribers)
- Referenced by dblp
- Each issue features a special theme
- About 120 articles published per year



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## Further information

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