

Eurekas Consortium

Eurekas is a Consortium of universities, faculties, research and studies centers, companies and other institutions, which principal objectives are contributing to Knowledge Society Building and Sustainable Development.

It promotes research, postgraduate formation, innovation and business projects with emphasis on holistic and trans-disciplinary mathematical and computational analysis and modelling, as its principal strategy for achieving their fundamental objectives.

The formation of Eurekas Consortium is the result of the evolution of three networks, the research groups network Eureka Iberoamerica: The Iberian American Network of Knowledge Discovery, the Erasmus Mundus partnership of the European Commission Eureka SD: Enhancement of University Research and Education in areas useful for Sustainable Development and the research groups network Eureka International: The International Network of Transdisciplinary Science.

Members of the consortium have at least a research group, or an innovation group whose members dedicate part of his time to Eurekas projects searching, promoting and making.

The Eurekas research and innovation groups of each consortium member develop research and innovation in the areas of Computational Intelligence, Operations Research, Business Informatics, Management Sciences, Economics, Engineering, Social Sciences, Environmental sciences and other related fields.

A 'Coordination Group' of scientists and a Coordination Board of scientific leaders coordinate the Consortium. They coordinate the functioning of the consortium based on their consensus in communication with all the groups. A yearly Workshop will be developed (one year pure on-line workshop and the next one face to face and on-line). All proceedings will be indexed and published on-line in open access to facilitate the dissemination of the network results.

Partners should afford the participation of a representative of one of their groups to the annual workshops of the consortium (every two years face to face). A meeting of the representatives agrees on the principal strategies and documents that should be used by the Coordination Group and Coordination Board should be elected by the representatives each year.

The Eureka workshops are developed by a local committee of one of the partners in a specific geographical place with physical local participation and they have a very wide participation of all the groups and institutions virtually.

The principal authorities of each institution should sign a letter of commitment asking to the Coordination Board of Eurekas his institution participation into the Consortium.

History

Eureka Iberoamerica, the Iberian American network of Knowledge Discovery, was created in the framework of the Iberian American Program of Science and Technology for Development (CYTED) as an Interdisciplinary network looking for Transdisciplinary Science and Technology useful for Business Intelligence in the Iberian American region.

Eureka International emerged anchoring Eureka Iberoamerica, with scientific and innovation groups of Europe and North America.

An especial role is played in its formation the Erasmus Mundus partnership project Eureka SD that is coordinated by University of Oldenburg, Germany, an extra-regional partner with prominent work into Eureka Iberoamerica network. The partners and associates of Eureka SD participate with groups of its 20 partner universities and its more than 60 associates into Eureka International Network. The partnership organizes a system of 315 mobilities of students and scientists among institutions of Latin American and European Union institutions, covering Mathematical and Computational Analysis and Modeling in all the Sustainable Development dimensions. This project has as its principal strategy of Sustainability, the constant improvement of the network Eureka International by the creation of trans disciplinary knowledge and scientific and innovation social tissue for it.

Eureka networks has joined efforts of many research groups in joint interdisciplinary research and it has organized events and publications with that transdisciplinary vocation from 2008. The next table shows the events in chronological order:

Year	Name of event	Place
2008	European Workshop of Eureka Iberoamerica Network.	Granada, Spain
2008	First International Workshop of Knowledge Discovery, Knowledge Management and Decision Making, during CLAIO 2008.	Cartagena de Indias, Colombia.
2009	Second International Workshop of Knowledge Discovery, Knowledge Management and Decision Making.	Panama city, Panama.
2010	Cluster of session of Knowledge Discovery organized by Eureka and the Data Mining section of INFORMS, during the ALIO INFORMS Congress CLAIO 2010.	Buenos Aires, Argentina.
2011	Third International Workshop of Knowledge Discovery, Knowledge Management and Decision Making.	Santander, Spain.
2012	Special Session of Soft computing and Hybrid systems for Knowledge Discovery, Knowledge Management and Decision Making, during ALIO SBPO Congress, CLAIO 2012.	Rio de Janeiro, Brazil.
2013	Fourth International Workshop of Knowledge Discovery, Knowledge Management and Decision Making.	Mazatlan, Mexico.

2014	Session of Trans disciplinary methods and Hybrid Systems during CLAIO-SBPO Congress CLAIO 2014.	Monterrey, Mexico
2014	Virtual - Physical Meeting of Transdisciplinary methods and Hybrid Systems.	Culiacan, Mexico.
2015	Fifth International Workshop of Knowledge Discovery, Knowledge Management and Decision Making.	Mexico City, Mexico.

During the workshops of 2013 and 2015 were celebrated important meetings of Eureka SD scientific committee and selection committee. Numerous Eureka SD fellowships for Graduate, Master, Ph.D., Postdoc and Academic Staff of students and professionals, between Europe and Latin American, have contributed extraordinarily to a tight collaboration among the partners and associates of Eureka SD, and among the Eureka Iberoamerica and Eureka International Research groups.

Numerous joint papers with the collaboration of the Eureka networks research groups colleagues, and the following books, have been published:

Year	Name of book	Editorial
2011	Towards a Trans-disciplinary Technology for Business Intelligence: Gathering Knowledge Discovery, Knowledge Management and Decision Making.	Shaker Verlag.
2013	Studies on Knowledge Discovery, Knowledge Management and Decision Making. Advances on Intelligent Systems Research Series.	Atlantis Press.
2014	Soft Computing for Business Intelligence. Studies on Computational Intelligence Series.	Springer Verlag.

Commitment

I have the pleasure to sign this document on behalf of the institution I am in charge.

Institution: _____

Address: _____

Name: _____

Responsibility: _____

Signature: _____