

**GeoGebra Institute Application
to establish the**

**Instituto GeoGebra de Galicia
(GeoGebra Institute of Galicia, Spain)**

A Coruña, 20 November 2010

The International GeoGebra Institute (IGI, <http://www.geogebra.org/igi>) is a non-profit organization that works together with independent regionally-based local *GeoGebra Institutes*. These local organizations need to apply to the International GeoGebra Institute in order to become an officially accredited GeoGebra Institute. Please submit this application form directly to IGI (igi@geogebra.org).

1 Acceptance of IGI Vision, Goals and Procedures

The applying GeoGebra Institute declares with this application that it accepts and shares the vision, goals, non-commercial nature, licensing and following procedures with the International GeoGebra Institute and its other GeoGebra Institutes.

1.1 Vision of the International GeoGebra Institute

The International GeoGebra Institute (IGI) provides free dynamic mathematics software and shares expertise in training, support and the development of materials for all students and teachers to improve mathematics, science and technology education world-wide. It nurtures and promotes collaboration between practitioners and researchers, seeking to establish self-sustaining user communities.

1.2 Mission of IGI and GeoGebra Institutes

The International GeoGebra Institute and its local GeoGebra Institutes share the following three goals:

1. **Training and Support:** To coordinate and provide professional development opportunities and support for both pre-service and in-service teachers.
2. **Development and Sharing:** To develop and share workshop resources and classroom materials, and to continually improve and extend the dynamic mathematics software GeoGebra.
3. **Research and Collaboration:** To conduct and support GeoGebra-related research which focuses on the teaching and learning of mathematics in order to inform and improve training and development activities, and to promote collaboration between IGI and local GeoGebra Institutes and between international colleagues.

1.3 Non-Commercial Nature

The applying GeoGebra Institute declares that it is (part of) a non-profit organization (e.g., university, teacher education college) with only non-commercial interests. Normally, services offered by a GeoGebra institute should be free of charge for teachers and students. If there are revenues created in connection with GeoGebra (e.g., books, online materials, workshops), it is expected that this money will be used to support and sustain the goals and activities of IGI or GeoGebra Institutes.

1.4 Licensing

The applying GeoGebra Institute declares that it will share all developed materials under a Creative Commons Attribution, Non-commercial, Share Alike license (see <http://creativecommons.org/licenses/by-nc-sa/3.0/>) or a similar license and that it will respect the license of the GeoGebra software itself (see <http://www.geogebra.org/download/license.txt>). The spirit of IGI and its GeoGebra Institutes is to share materials and be open for collaboration with everyone.

1.5 Annual Activity Report

The applying GeoGebra Institute states that it will submit an annual report regarding its activities to the IGI (igi@geogebra.org). The common and stated IGI goals can be used to structure this annual report.

The International GeoGebra Institute has the right to withdraw the accreditation of a GeoGebra Institute if it is in violation of any of the aforementioned common IGI goals.

2 Structure and Activities of applying GeoGebra Institute

2.1 Structure of GeoGebra Institute.

2.1.1. Names: The official name of the GeoGebra Institute of Galicia is *Instituto GeoGebra de Galicia (IGG)*.

2.1.2. Affiliation: The *Instituto GeoGebra de Galicia* is part of the Asociación Galega de Profesorado de Educación Matemática (AGAPEMA, <http://www.agapema.com>), association founded in 2000 and among its aims we can highlight the performance of mathematics teachers, developing innovations related to the teaching of mathematics and their implementation in the classroom and promoting and supporting the introduction of resources and materials into the classroom and the use of new technology for teaching and learning mathematics.

2.1.3. Address: The official address of the *Instituto GeoGebra de Galicia* is:

IGG-AGAPEMA
Departamento de Pedagogía e Didáctica
Facultade de Ciencias da Educación
Campus de Elviña, s/n
15071 – A Coruña, Spain

2.1.4. Mission: The *Instituto GeoGebra de Galicia* shares the above stated general and common visión, goals, non-commercial nature, licensing and procedures established for all GeoGebra Institutes.

2.1.5. Governance: The *Instituto GeoGebra de Galicia* is governed by

- A Chairperson, appointed by the Board of Management of AGAPEMA at the request of members of the IGG
- An Advisory Board, composed by the Chairperson of IGG, the Chair of AGAPEMA, and the persons proposed below (see 2.2.2 and 2.2.3). The Advisory Board should include, in any case, all GeoGebra Trainers involved with this Institute.

2.1.6. Structure: The *Instituto GeoGebra de Galicia* will develop its activities (see 2.3) with the help of a number of Associates, typically teachers or researchers who declare to be interested in cooperating with the Institute, apply to become Associate and are approved by the Advisory Board.

The administrative issues will be managed by AGAPEMA, according to the rules of this association.

2.2 People of GeoGebra Institute

2.2.1 The proposed Chairperson for the *Instituto GeoGebra de Galicia* is prof. Enrique de la Torre Fernández, torref@udc.es, who holds a chair of Mathematics Education in University of A Coruña.

2.2.2 The current Chair of AGAPEMA is prof. Manuel Díaz Regueiro, presidente@agapema.org, Secondary Education teacher of Mathematics at the IES Xoan Montes, Lugo.

2.2.3 Prof. Ignacio Larrosa Cañestro, ilarrosa@mundo-r.com, Secondary Education teacher of Mathematics at the IES Rafael Dieste, A Coruña, Spain, is the currently recognized GeoGebra Institute Trainer, attached to this IGG.

2.2.4 The Advisory Board includes, as well, the following proposed persons:

- Prof. Fernando Zacarías Maceiras, fzacarias@edu.xunta.es, Secondary Education teacher of Mathematics at the IES As Mariñas, Betanzos, Spain.
- Prof. Débora Pereiro Carbajo, correodebora@yahoo.es, Secondary Education teacher of Mathematics at the CGTD. Extensión do IES Sánchez Cantón. Pontevedra, Spain.
- Prof. Esperanza Gesteira Losada, espegesteira@edu.xunta.es, Secondary Education teacher of Mathematics at the CGTD. Extensión do IES Sánchez Cantón. Pontevedra, Spain.
- Prof. Aia Rodríguez Somoza, aiarodriguez@gmail.com, Secondary Education teacher of Mathematics at the CPI de Mondariz, Spain.
- Prof. M^a Jesús Casado Barrio, mcasado@edu.xunta.es, Secondary Education teacher of Mathematics at the I.E.S. Fco Daviña Rey, Monforte de Lemos, Spain.
- Prof. Francisco Botana Ferreiro, fbotana@uvigo.es, Associate Professor of Mathematics, University of Vigo, Spain.

- Prof. José Luis Valcárce Gómez, jvalcarce@edu.xunta.es, Secondary Education teacher of Mathematics at the IES Pontepedriña, Santiago de Compostela, Spain.
- Prof. José Manuel Arranz San José, jarran2@roble.pntic.mec.es, Secondary Education teacher of Mathematics at the IES Europa, Ponferrada, Spain.
- M^a Cristina Naya Riveiro, mnaya@udc.es, teacher of Mathematics Education at the University of A Coruña, Spain.
- Pilar García Agra, pilag@edu.xunta.es, Secondary Education teacher of Mathematics at the IES N^o 1 de Ordes, A Coruña, Spain.
- M^a Dolores Rodríguez Soalleiro, mrodri7@olmo.pntic.mec.es, Technical Advisory Teacher at the Instituto de Tecnologías Educativas, Ministry of Education, Madrid, Spain.

2.3 Activities and Goals of GeoGebra Institute

The *Instituto GeoGebra de Galicia* main goals are:

- The dissemination of GeoGebra,
- The organization of courses to teach the use of GeoGebra at the classroom and to train new users and future trainers,
- The organization of meetings and seminars for presenting, sharing and discussing the use of GeoGebra,
- The development, evaluation and improvement of GeoGebra materials and its use in the classroom,
- The design and implementation of research and/or development projects concerning GeoGebra,
- The support of GeoGebra users,
- The certification of levels of achieved GeoGebra competency.

These goals will be distributed, as internally conceived work-packages, according to the following division of tasks:

- A. Development and Support**, focused on developing, adapting and sharing GeoGebra resources and classroom materials, and on providing users' support.
- B. Research and Evaluation**, focused on conducting and supporting GeoGebra-related research on the teaching and learning of mathematics.
- C. Training and Certification**, focused on organizing and providing GeoGebra training courses as well as on establishing procedures for issuing certifications regarding attainment of different levels of GeoGebra competence.

Yearly, the Advisory Board will approve an agenda of activities for the Institute, related to each of the above fields and will make explicit the corresponding budget. For each proposed activity or program to be developed by the Institute, the Advisory Board will propose a number of persons (usually, from the and the Associates) to be in charge of its execution.

Moreover, it will be the task of the Advisory Board to promote collaboration between the *Instituto GeoGebra de Galicia* and other local GeoGebra Institutes and between international colleagues, as well as to take care of the search for financial support and recognition from other institutions.

2.4 Certification

The *Instituto GeoGebra de Galicia* intends to certify local GeoGebra users and trainers, at the levels of Users, Experts and Trainers.

It will issue such certificates following the procedure established by the IGI, ie. at the proposal of a GeoGebra Institute Trainer associated to the *Instituto GeoGebra de Galicia*, using the official template, signed by the Chair of the *Instituto GeoGebra de Galicia* and presented for its final conformity to the president of IGI. The *Instituto GeoGebra de Galicia* will keep copies of all these certificates and will made them available to the centralized IGI.

Moreover, for the GeoGebra Institute Trainer associated to the *Instituto GeoGebra de Galicia* to propose the certification of achievement by a concrete person of a certain GeoGebra competency level, it will be required a trustworthy confirmation by different means (such as the evaluation of submitted material and curriculum or via the continuous evaluation of the work of this person at a recognized course) of such achievement.

A concrete protocol for certification will be proposed to the centralized IGI for its approval.

3 Signatures

The chair person of the applying GeoGebra Institute and the chair of the AGAPEMA, as representative of its hosting institution, declare with their signatures that all information in this application is correct to their best knowledge and that they support the establishment of a GeoGebra Institute at their institution as described in this application.

Chairperson of your GeoGebra Institute

Enrique de la Torre Fernández
Professor of Mathematics Education, Departamento de Pedagogía e Didáctica.

Universidade da Coruña
Campus de Elviña, s/n. 15071, A Coruña, Spain
Email: torref@udc.es
Telephone: +34981167000

Signature: _____

Date: _____

Representative of hosting institution of your GeoGebra Institute

Manuel Díaz Regueiro
Secondary Education teacher of Mathematics. IES Xoan Montes, Lugo.
President of AGAPEMA
r/ García Abad, 3-1ºB. 27004, Lugo
Email: presidente@agapema.org
Telephone +34982.240.857

Signature: _____

Date: _____

Application approved by

Markus Hohenwarter (markus@geogebra.org)
President of the International GeoGebra Institute (<http://www.geogebra.org/igi/>)

Signature: _____

Date: _____