

**GeoGebra Institute Application
to establish the**

**GeoGebra Institute of Finland
Suomen Geogebra-instituutti**

**Suomen Geogebra-verkosto
yhteistyössä
Helsingin yhteislyseon kanssa**

**Finnish GeoGebra Network
in cooperation with
Helsingin yhteislyseo (secondary school 7–12)**

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 a non-profit and voluntary network of schools and other educational establishments 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

<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

<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

GeoGebra Institute of Finland will function in the framework of the Finnish GeoGebra Network which is a voluntary cooperation organisation of primary and secondary schools and other educational establishments using GeoGebra actively <http://www.geogebra.fi/>. Concerning issues at law and economy, the Institute will be hosted by Helsingin yhteislyseo (independent secondary school 7–12) <http://www.hyl.edu.hel.fi/sivut/hyllien.htm>. All other activities are operated by the Finnish GeoGebra Network. If necessary, the Network will be registered later and will thus form a registered association according to the Finnish law. After the registration, the GeoGebra Institute of Finland will be hosted by the association.

The Institute will cooperate with the National Board of Education, the Finnish Association of Teachers of Mathematics, Physics, Chemistry and Informatics (MAOL) (contact person lecturer Erkki Luoma-aho Erkki.Luoma-aho@jkl.fi) and the teacher education departments of Tampere university (contact person lecturer of didactics Sari Yrjänäinen sari.yrjanainen@uta.fi) and Jyväskylä university (contact person lecturer of didactics Henry Leppäaho henry.leppaaho@jyu.fi).

2.2 People of GeoGebra Institute

In the beginning the executive board of the Institute will have as members the board of the Finnish GeoGebra Network:

chair Kirsi Malinen, teacher of mathematics and science, Jokela junior high school, Tuusula, Finland, kirsi.malinen@mbnet.fi, coordinator of the Network, translator of GeoGebra program member Jarno Koskimäki, teacher of mathematics and science, Helsingin yhteislyseo, Helsinki, jarno.koskimaki@edu.hel.fi, translator of GeoGebra web pages, contact person of the Network, representative of hosting institution Helsingin yhteislyseo member Mikko Rahikka, teacher of mathematics and science, Helsingin yhteislyseo, Helsinki, mikko.rahikka@edu.hel.fi, moderator of the Finnish GeoGebra User Forum, contact person of Nordic GeoGebra cooperation, translator of GeoGebra web pages member Juha Leino, teacher of mathematics and science, vice principal, Pakilan yläaste (junior high school), Helsinki, juha.leino@edu.hel.fi, translator of GeoGebra Help Book

member Erkki Luoma-aho, teacher of mathematics, Cygnaeus-lukio (senior secondary school), Jyväskylä, Erkki.Luoma-aho@jkl.fi, contact person for the Finnish Association of Teacher of Mathematics, Physics, Chemistry and Informatics (MAOL), translator of GeoGebra Introductory Book
member Hannu Korhonen, lecturer emeritus, Orimattila, Finland, korhonen.h@gmail.com, translator of GeoGebra program

2.3 Activities and Goals of GeoGebra Institute

The primary activity has been and will be in future to translate GeoGebra program, web pages and help documents into Finnish. It has been done for the versions 2.7, 3.0 and the contemporary 3.2. The translation of the help document for the version 3.2 is not yet finished but it will come out by the summer 2010. The translations are inevitable in such a country as Finland where more than ninety per cent of the population is speaking Finnish as mother tongue.

The second aim in the long run is to promote the use of GeoGebra in Finnish schools, especially lower and higher secondary schools where mathematics and science are taught by specialized subject teachers. In order to do that we try to find such topics in curriculum where teachers can have the best use of GeoGebra. Furthermore, we are creating GeoGebra materials which teachers can use in their own classes and lessons.

In these days, the most important way of working is giving both contact and web courses to help teachers to begin the use of GeoGebra. This is done regularly twice a year for the teachers of the Finnish GeoGebra network. In the future, the Institute will offer more and more courses for all other teachers, too. This is planned to do in cooperation with the Finnish Association of Teacher of Mathematics, Physics, Chemistry and Informatics (MAOL) partly directly giving an internet course and partly with the newly launched Osaava project supported economically by the Finnish educational authorities.

The GeoGebra Institute of Finland will take part in the international cooperation by keeping up a section of GeoGebraWiki in Finnish as well as a Finnish section of GeoGebra User Forum. The Institute will offer a moderator for the latter. Also, the GeoGebra cooperation is going to start on the Nordic level. This will be a natural part of the work of the Institute.

In the future, the action of the Institute will direct more clearly to the development and research on modern and efficient ways of instructing mathematics using GeoGebra, by the Institute itself and by the teacher education institutes cooperating with the GeoGebra Institute. It is not only how to organize the work during lessons but also the use of GeoGebra together with other modern instructional equipments, e.g. other computer programs, SmartBoards, course management systems etc.

The Institute will publish information and news of its work as well as GeoGebra worksheets in GeoGebraWiki, on its own web site <http://www.geogebra.fi> and in educational magazines. Some half a dozen articles have come out in the magazine Dimensio in Finnish during the latest three years, the members of the Finnish GeoGebra Network as authors.

3 Signatures

The chair person of the applying GeoGebra Institute and a representative of its hosting institution (e.g. university, teacher education college) 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.

Chair person of GeoGebra Institute of Finland

Kirsi Malinen
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FIN-05400 Jokela, Finland
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Signature: _____



Date: 2010-04-01

Representative of hosting institution of GeoGebra Institute of Finland

Jarno Koskimäki
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Signature: _____



Date: 2010-04-01

Initiator of activities of the Finnish GeoGebra Network

Hannu Korhonen
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Signature: _____



Date: 2010-04-01

Application approved by

Markus Hohenwarter (markus@geogebra.org)

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

Signature: Markus Hohenwarter

Date: 2010-04-19