Abstract: The development of information technology radically changes our way of living, of communicating with the others, of receiving the information. In the future, it is expected that the role of computers in our life become essential; any student will have to master this field in order to achieve easily what he wishes. This presentation covers some ideas that were developed after the first activities carried out under the GeoGebra Institute of Timisoara, Romania, in the eastern part of Romania and our strategies in connection with the development of a broad community of users nationwide.

We live in a world subject to dynamic changes. The level of information and its flow on different communication channels, its impact on the individual are more and more difficult to quantify. Filters of the informational flow, imposed by the educational system, may lead to progress when this approach is in agreement with a modern and well planned educational desideratum or may lead to disasters when it is imposed by social or political manifestations which are not focused on the development of the individual.

We will look into the concept of “homo – informaticus” and the extent to which it can be influenced by the GeoGebra Factor.

Keywords: Educational Environment; GeoGebra (GF) Factor; IT Surrounding Environment
The role of computers in our life become essential

We live in a world subject to dynamic changes

A debate for teacher it is to educate students to agree sites of science more than false sites of socialization.

The challenge in use the handy for Facebook or for GeoGebra!

After a scientific study made by a team of specialists in psychology and presented to us, the results of this study realized on a representative sample of students focused on Knowledge-society and education, show that students use more than 80% of their free time for Facebook, Twitter, YouTube and game. Handy are used only for SMS communication and to make photos in the same percent. One could say that will be a challenge to make them to use this media for science and education!

The concept of “Homo-Informaticus”

We will look into the concept of “Homo – Informaticus”, and the extent to which it can be influenced by the GeoGebra Factor.
What is the impact for teachers, for students, for the educational system and community?
Teachers are more involved in imposed works, without GeoGebra;
Students prefer 80% from their free time for false sites of socialization;
Educational system sleeps in the project!
The community could be reflexive!

**The impact of GeoGebra Factor for teachers, for educators**
Math activities could be classified as:
- Activities dedicated to reach competence in using GeoGebra software;
- Activities dedicated to visualize mathematical results and theorems;
- Activities dedicated to establish research in math, finding new theorem and generalize results, special activities which are focused to discover "other open problems" in order to be rigorously demonstrated in other future activities.
We agree the development of a team of teacher specialist in didactic of a discipline of study and that could make research in implement the use of the GeoGebra software in lessons.
We agree a new level of competences, teacher trainer for GeoGebra which have expertise in pedagogy, psychology and didactic science.
- One could find this team not institutional but on the web space true a dedicated platform!

**GeoGebra in National Curriculum of Romania**
- First time GeoGebra was included in the Curriculum in Romania, during 2010-2011 school year for students of XI-th level in Pedagogical High School “D.P.Perpessicius” from Braila, Romania.
- As a new discipline of study, the chosen name it is: “Euclid and the Computer - Mathematical Application Using GeoGebra Software”.
This could be considered the first step of implement GeoGebra in the curriculum.
Involve teachers in use GeoGebra in education

Our action was to:
• Inform them!
• Ask to try!
• Change opinion and ideas!
• Gain results!
• Keep them involved!
• Recognize their success!
• Go back at the start and try again!

Review about GeoGebra Factor
Each maths teacher could adopt his own strategy because for most of all secondary maths teachers the ability to use an educational soft could be considered like a provocation.

The teachers who use GeoGebra must be more specific, more "open minded", willing to allow for experimentation, and give more guidance at the start of any GeoGebra experiment. Flexibility of learning means flexibility of relation between teachers and students. This implies new situation of learning and a special development of new methods of teaching.

The adequately integrating any such approaches into projects can lead to the development of ‘meta-mathematical’ skills, which are particularly useful in technological instruction and technology applications.

On the social side, the impact of GeoGebra may be important in shifting perceptions about mathematics as a solitary activity to the more harmonic view of mathematics as social activity.

DESIREs, SUGESTIONS, PROPOSALS

IGI must be more present in the activity of local GeoGebra Institutes in order to sustain more actively the effort of implement the GeoGebra in the curricula. A kind of “expedition” which could cover all the Ministry of Education
from different country involved must be established and sustained by a Staff team of IGI.
The access to the ISI Thomson publication and printing house like Springer or others must be sustained and accepted like a desire for future International recognize of research in the domain.

• A competition which could cover the scientific papers published in a GeoGebra International Journal can start a debate and all the users, students or teachers will have a motivation in make research in different domains of GeoGebra, develop software, invent new methods of teaching, make real research in math or other science.

• Even if a kind of this proposed journal will be in an electronic version, this can be a real debate for the next level of using GeoGebra.

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