

FINAL REPORT DECEMBER 2011

In the context of the ESEB outreach fund “Evolutionary outreach: tools for the analysis of evolutionary concepts for high-school teachers (Funding provided: 1750 Euros) our group “Sharing Science” (Ciencia Entre Todxs) has developed didactic activities that were reflected in a distance learning course for spanish-speaking high school teachers. For this, we designed a web page where the course is freely available for teachers. The web page address is <http://cienciatodxs.gnomio.com/>.

You can login in <http://cienciatodxs.gnomio.com/> with:

USUARIO:guest1

Password: Guest.2011

Also, along the year the group has dictated several regional workshops along Argentina.

SPECIFIC ACTIVITIES

a) Regional Workshops.

1-Montegrande city (Province of Buenos Aires): Conducted on September 23 within the framework of “2011 Science Lectures” in the Teacher Training Institute and Natural Science Museum ISFD35. The audience was approximately 200 teacher training institute alumni and professors, and also high school teachers from all around the area.



Figure: Nicolás Lavagnino, Adriana Schnek, Alicia Massarini and Beatriz Libertini in Montegrande’s Conference.

2-Rosario city (Province of Santa Fé): Conducted on November 10 in the Angel Gallardo Natural Science Museum. The audience was approximately 50 teacher training institute alumni and professors, high school teachers, and general public from Rosario City.



Figure: Alicia, Beatriz and Paula Lipko in Rosario's Conference

3-Casilda city (Province of Buenos Aires): Conducted on November 11 in the Faculty of Veterinary from the Universidad Nacional de Rosario (Rosario National University). In this opportunity the assistance of approximately 30 was faculty staff and students.



Figure: Beatriz and Alicia in Casilda's conference.

In these three workshops an environment of reflection and sharing of experiences and concepts about human evolution, its process and nature was generated. The learning materials used were iconographic images (both from popular and academic sources) and different fragments of related literature.

4-Ramallo city (Province de Buenos Aires): Conducted on November 14 in "Guillermo Leloir" (Nº2) public High School. Firstly, two lectures for approximately 200 high school students dealing with evolution, its definition and what is considered to be evolution and what not were given. Secondly, a workshop about evolution teaching for 20 High School teachers from Ramallo and nearby cities was given.



Figure: Adriana Schnek in Ramallo with teachers.



Figure: Adriana in Rammallo with school students

5-Buenos Aires city: On November 25 a workshop at FLACSO (Facultad Latinoamericana de Ciencias Sociales) on didactic strategies for science and evolution teachers. The concurrence was about 100 teachers from all over the country.

Workshops scholars have gone successfully. This encourages us to request more funds in order to allow more travel to distant locations next year.

b) Distance Learning Course

The project approved by the ESEB included the building up of a web site (<http://cienciatodxs.gnomio.com/>) that enables teachers to take evolutionary courses on-line. Due to insufficient financial support, we have planned the web site as described as follows but we were able to develop only the section corresponding to “on-line courses for Teachers” (*Distance learning courses* according to the original project). Additional funds will be required to complete the implementation of the whole web site.

Description and site map

1. HOME (text with general aims of our group, image gallery)
2. Who are we? (list of members of “Ciencia Entre Todxs”, brief CV and photo of each)
3. Teaching (text with general aims of all our courses)
 - Classroom Courses for Teachers (information of dates and place of courses, supporting materials)
 - **On-line Courses for Teachers (*) See index of the first course (**)**
 - Workshops for Teachers
 - Classroom Activities (activities for working out different evolutionary concepts)
4. Billboard activities (of our group and others of interest)
5. Research (description and results of our main lines of research in educational field)
6. Financial support (institutional grants and projects associated)
7. Links of interest (field of education, evolution, science, society and technology)
8. Contact

(*) Brief description of the section: “On-line Courses for Teachers”:

This section was implemented independently of the whole web site as a virtual campus by Moodle applications. It functions as follows:

- 1) Registration: any person who wants to take the course: “Evolution. History of life” must complete and send the application form to become registered. A user name and a password will be returned by e-mail for future utilizations of the site.
- 2) Course: the course “Evolution. History of life” has been written and organized in 10 chapters. After the person log in our site, access to each chapter independently is available. The course is approved only when chapters has been read and worked out in sequential order.
- 3) Required Activities: each chapter contains a variable number of questions/activities that must be worked out by the teacher. All answers must be written on the corresponding form and send it by e-mail.
- 4) Expected responses: access to the file containing the expected responses for all the questions/activities of each chapter become available after sending the corresponding filling form (see 3)
- 5) Evaluation: the evaluation of all the answers (10 answer forms) sent by the same teacher will determined the approbation of the course. A certificate will be send by e-mail to the teacher.

Financial disclosure.

Items/Services	
Travel to Montegrande city (Province of Buenos Aires)	€50

Travel and stay to Rosario and Casilda (Province of Santa Fé)	€200
Travel to Ramallo city (Province de Buenos Aires):	€50
Web site developer fees	€1000
Web site hosting fees	€400
Web site graphic designer fees	€60
Total	€1760

As pointed earlier, for the next year our intention is to continue with the development and implementation of the whole web site (<http://cienciatodxs.gnomio.com/>). Also, we already have established contacts to bring workshops to cities we haven't visited in this year. To accomplish these activities within next year we formally request for an extension of the ESEB outreach found.

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