

GTTP – Changing the World Teacher by Teacher

R.Doran

NUCLIO – Núcleo Interactivo de Astronomia, Portugal, (rosa.doran@nuclio.pt / Fax: +351-21-4537440)

Abstract

The Galileo Teacher Training Programme successfully named representatives in nearly 100 nations in 2009, the International Year of Astronomy (IYA2009). The challenge had just began, the steps ahead are how to reach educators that might benefit from our program and how to help build a more fair and science literate society, a society in which good tools and resources for science education are not the privilege of a few.



GTTP Training sessions in 2010/2011: Brazil, @ESA, Venezuela, Chile, Israel, Portugal and Vietnam

1. Introduction

Since IYA2009 the Galileo Teacher Training Programme (GTTP) is continuously helping train teachers around the globe. Being exposed to such a multicultural challenge brings to our attention the huge inequalities faced by educators around the globe. How to equally reach students in first world nations, where modern tools and resources thrive, and those in developing or underdeveloped nations where sometimes not even a roof exist. How to integrate modern tools for science education in classical curricula regardless of development status of school environment is now the key of our efforts.

2. GTTP Strategy

The strategy of our programme since 2009 is to equally target the needs of educators in developing and developed nations. In one hand we need to inspire young students for science topics, fighting to create a science literate society amidst the pollution of bad science populating their lives in the other hand we need to empower educators for this challenge.

How to achieve this goal using new trends for science communication, taking advantage of social networks and modern tools but at the same time accommodating strategies within curriculum demands is the question to be answered.

In different countries we find different challenges. And things can't just be categorized as modern tools equals developed nations as classical tools are for developing countries. We find a mixture of benefits and possibility of use of resources in different scenarios. Classical resources are very helpful to target video game children for instance. Training teachers on the use of social networks to enable them a sense of being part of a global educator's community is the trick for some age range. The promotion of global certified campaigns and accreditation is also a golden motivation mine. Last but not least a successful and steady funding scheme is necessary to maintain the newborn network. So our main strategic lines for the near future are focusing in there overarching key words: training educators on hands-on new tech and paper craft tools and resources, investing in an active and cooperative network, promoting global campaigns where teachers and students can show the result of their efforts, funding scheme to start and strengthen local GTTP network of educators.

