HANDS-ON SCIENCE
ACTIVELY APROSSING
SCIENCE EDUCATION

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PORTUGAL
Back in 2003 the Hands-on Science Network was established as an EU Socrates/Comenius 3 project.

Our aim was to contribute to the generalization innovation and improvement of Science & Technology Education at basic vocational training and secondary schools by hands-on experimental investigative practice in the classroom

... bringing hands-on active learning of Science into the classroom and into the soul and spirit of the School ...

www.uminho.pt
“We learn how to do by doing the things we are learning to do”

(Aristotle)
The main goal of the Hands-on Science network is to promote hands-on investigative experiments based learning of Science improving Science Education and Scientific Literacy.
broad open understanding of the meaning and importance of Science

open to all pedagogical approaches

that may contribute to the effective implementation of a sound widespread Scientific Literacy and Science Education
Formal, informal and non-formal education

from the kindergarten to adult and lifelong learning
Educating for Science and through Science
Critical reasoning and Observation Method
Responsibility
Active commitment
Self confidence
Workshops/Thematic conferences


Comenius Contact Seminars

Training courses for school teacher

(Experiments in the classroom, Hands-on Optics, School’ Robotics, Hands-on Science and Computer Simulations)

Contest “IDEAS FOR SCIENCE FAIRS”

Science Fairs

Robotics Festivals

Comenius Grundtvig FP7 and TEMPUS projects

Lectures and demonstrations
Eleven HSCI conferences

- HSCI2005: http://www.clab.edc.uoc.gr/2nd/
- HSCI2011: http://colos.fri.uni-lj.si/mptl_hsci/
- HSCI2013: http://www.hsci2013.info
HSci2010
7th International Conference Hands-on Science
Bridging the Science and Society gap
July 20-31, 2010 - Greece
The University of Crete campus at Rethymno
http://www.unict.edu.gr/HSci2010/

HSCI2011
Proceedings of the 8th International Conference on
Hands-on Science
Focus on multimedia
(Jointly co-organised with MPTL’16 - Workshop on Multimedia in Physics Teaching and Learning)
September 15 to 17, 2011
University of Ljubljana, SLOVENIA

The Hands-on Science Network
Our conferences

HSCI2012
Proceedings of the
9th International Conference on
Hands-on Science
Science Education, Environment and Society;
Reconnecting Society with Nature through Hands-on Science
17-21 October 2012
Akdeniz University, Antalya, TURKEY

HSCI2013
Proceedings of the
10th International Conference on
Hands-on Science
Educating for Science and through Science
1st-5th July 2013
Pavol Jozef Šafárik University
Košice, Slovakia
Obrigado

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Manuel Filipe P. C. M. Costa, 2015