



**NTSE - Nano Technology Science Education**

**Project No: 511787-LLP-1-2010-1-TR-KA3-KA3MP**

## **EVALUATION OF POSTERS**



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**AIM:** The aim of the evaluation is to ensure a fair assessment of the NTSE project posters produced by the students involved in the competition.

**ACTIVITIES:** All partners will be in charge of poster evaluation through

- 1) Selecting the representative of the Assessment Team (experts, academics, institutions' representatives etc.)
- 2) Examination of project posters
- 3) Evaluation Method

## 1- SELECTING THE REPRESENTATIVE OF THE ASSESSMENT TEAM

The Assessment Team is composed by:

- 1 representative selected by each partner
- Team representatives will be selected by the Steering Committee among experts, academics, institutions' representatives etc.

	<b>ORGANISATION</b>	<b>COUNTRY</b>	<b>NAME and SURNAME</b>
<b>1</b>	<b>DOGA</b>	TURKEY	
<b>2</b>	<b>FONDAZIONE</b>	ITALY	
<b>3</b>	<b>SIRMA MEDIA</b>	BULGARIA	
<b>4</b>	<b>FORTH</b>	GREECE	
<b>5</b>	<b>UVT</b>	ROMANIA	
<b>6</b>	<b>CCTA</b>	BULGARIA	

## 2 - EXAMINATION OF NTSE PROJECT POSTERS

The examination period will start 16<sup>th</sup> April 2013 and will finish on 19<sup>th</sup> April 2013. Each poster will be identified with a Code that encompasses the National Reference and the progressive number in a national winners list (annex 2)(Example IT-01 is a poster that comes from Italy number 1).

All Committee members will fill the evaluation sheet for each poster. The list of calculation of the criteria and national winners must be sent till 19 April 2013 to the Project Coordinator and P3 SIRMA MEDIA at the e-mail address: [zuhalyd@gmail.com](mailto:zuhalyd@gmail.com)

and [kichka.minkova@sirma.bg](mailto:kichka.minkova@sirma.bg) as an excel file (annex 1) named with the name/surname of the competitors.

### 3 – EVALUATION METHOD

NTSE posters will be evaluated in two steps. First selection will be done according to the criteria in the RUBRIC below. The second step is the poster sessions in APMAS 2013 International Congress in Antalya (<http://www.apmas2013.org/>). Criteria for selection of posters will be done as in the following;

<b>Percentage distributio</b>	<b>Criteria</b>	<b>Points</b>
60%	Clarity of Content	18
20%	Clarity of Design	6
20%	Online voting	6
<b>1<sup>st</sup> SCORE</b>		<b>30</b>
<b>ANTALYA SCORE (EXTERNAL SCORE)</b>		<b>20</b>
<b>TOTAL SCORE</b>		<b>50</b>

#### I. SELECTION OF POSTERS (1<sup>st</sup> STEP)

The use of the rubric to evaluate student work on NTSE posters, you should determine the number of points achieved in each of 6 categories. For each criterion, the lowest score possible is 0 and the highest is 3. The highest score will be 18 points with a threshold of 12. If the score of poster below 12 in Content, it will not be selected for sessions in APMAS 2013 International Congress in Antalya.

#### ***RUBRIC: For the selection of the posters for Antalya***

<b>CATEGORY</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>
<b>Required Elements</b>	The poster includes all required elements as well as additional information.	All required elements are included on the poster.	All but 1 of the required elements are included on the poster.	2 or more required elements were missing.
<b>Text Accurate Information about the chosen Nanotech topic</b>	At least 5 accurate facts are displayed on the poster.	At least 3-4 accurate facts are displayed on the poster.	At least 1-2 accurate facts are displayed on the poster.	No accurate facts are displayed on the poster.
<b>Content-Creative Ideas about the future applications of the chosen Nanotech topic</b>	Highly creative ideas about future applications are included in the poster	Creative ideas about future applications are included in the poster	ideas about future applications that are included in the poster are slightly creative	ideas about future applications are not included in the poster
<b>Images and Graphics used in the Poster</b>	All graphics and images are related to the topic and make it easier to understand. All borrowed graphics and images have a	All graphics and images are related to the topic and most make it easier to understand. All borrowed graphics and images have a	All graphics and images relate to the topic. Not all borrowed graphics and images have a source citation.	Graphics and images do not relate to the topic OR all borrowed graphics and images do not have a source



## Annex 2: NATIONAL WINNER LIST FOR ANTALYA

	<b>NAME AND SURNAME</b>	<b>TITLE OF POSTER</b>	<b>ORGANIZATION/ SCHOOL</b>	<b>COUNTRY</b>	<b>TOTAL SCORE</b>
<b>1</b>	Stratis Trachanias, Nikiforos Mplemenos, Alexandros Moschogiannakis	Applications of nanoelectronics	2 <sup>nd</sup> Gymnasium of Heraklion, Crete	Greece	31.6
<b>2</b>	Furkan Satis	Nanomedicine	Atasehir Doga High School	Turkey	33.6
<b>3</b>	Davide Cagno	Nano for diabetes mellitus	Liceo Scientifico Mazzini Napoli	Italy	30.6
<b>4</b>	Victoria T. Trendafilova	Nanotechnology used in electronic devices	National High-school of natural sciences and	Bulgaria	28.4
<b>5</b>	Dogaru Gabriela	Nanotechnology in sports equipment	Liceul de Arte "Bălașa Doamna"	Romania	20.4