

# INTERNATIONAL NATURAL SCIENCES TOURNAMENT

Chemistry, Life Science, Physics, Biology, Pharmaceuticals, Engineering

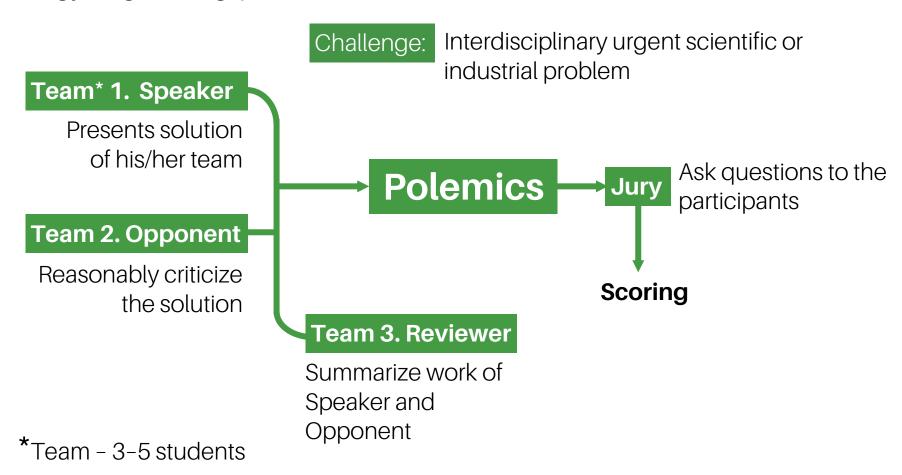
Team student competition 2010–2020

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#### **INST**



A scientific team competition for students (specializing in chemistry, physics, biology, engineering, pharmaceutical, and life sciences).

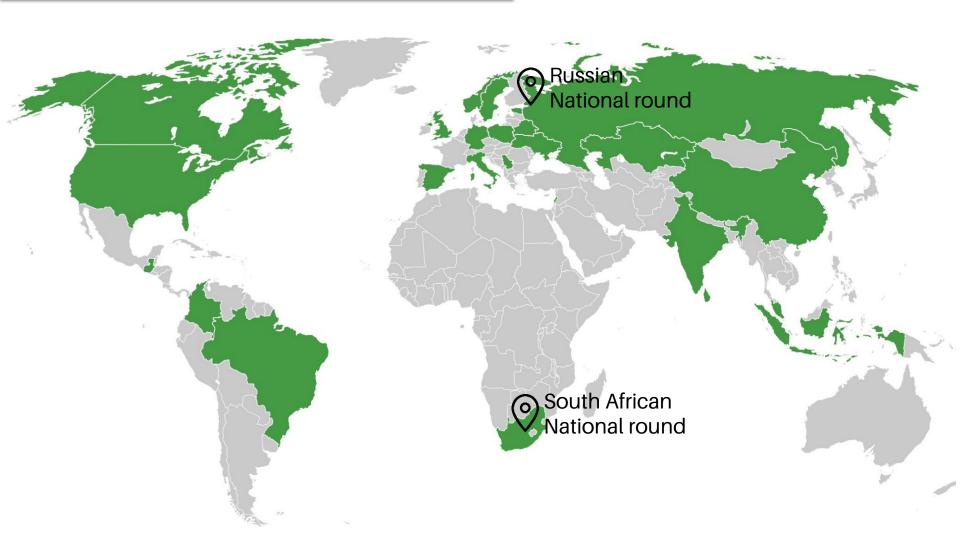


# X INTERNATIONAL NATURAL SCIENCES TOURNAMENT

Grand final of X INST University of Warsaw, Poland February 7-12, 2020

More than 100 participants, jurors, organizers and volunteers

### **Geography of INST**



Participants from more than 25 countries took part in INST

#### Our sponsors and partners 2010-2019























#### **INST** in mass-media







International Business Times



**Article in OPopural (Spain)** 

**Article in The Hindu (India)** 

**Article in International Business Times** 



Report on Channel One (Russia)







## **Sponsorship options**

in mass media

	<b>Supporter</b> from 450 EUR	<b>Sponsor</b> from 700 EUR	<b>Official sponsor</b> from 1250 EUR	<b>Partner</b> from 2750 EUR	<b>Prime partner</b> from 4400 EUR
Logo of your company on INST official website (www.scitourn.com)	•	•	•	•	•
Logo of your company on all the printed materials of X INST	•	•	•	•	•
Leaflets of your company in the handout packages for participants	•	•	•	•	•
Series of interviews for your company with participants in special area		•	•	•	•
Place for exhibition stand		2 days	2 days	Whole period	Whole period
Company representatives as jurors		2 persons	3 persons	Unlimited	Unlimited
Case from your company		•	•	•	•
Presentation from your company			30 min (one)	1 hour (two)	1 hour (two)
E-mailing information about your company through the database of our participants				•	•
Establishment of own nomination and Partner's prize				•	•
1-2 publications about your company					

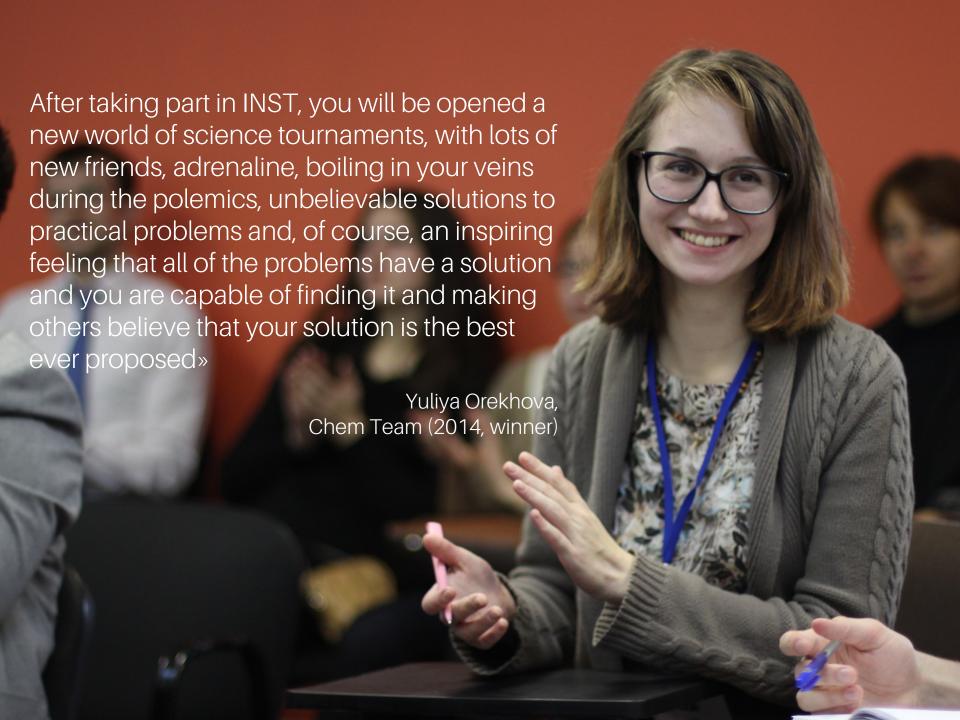
#### **Examples of INST problems**

#### **Taj Mahal (2018)**

Contemporary India is a blend of unique culture, centuries-old traditions, and modern technologies. However, as any rapidly developing country, it has some unsolved problems. In the city of Agra, stands the oldest cultural monument -- the Taj Mahal. In recent years, yellow pollution stains started to develop on the snow-white cupola and the upper part of facade. Currently, government approaches the problem using a so-called "mud-pack" method, which has significant disadvantages. Propose a new method for removing this yellow staining from the Taj Mahal building envelope, as well as a long-term staining protection method.

#### **Smart sorbent (by Tion company, 2016)**

One of the trends in air filtration field is the problem of purification from the gaseous chemical pollutants. A classic example of the solution to this problem is the usage of various sorbents. For example, in gas masks the sorbent is used to absorb toxins appearing either from chemical industry or chemical weapons. On other hand, sorbents are being used in kitchen hoods to absorb unpleasant odors that may appear during food preparation. As may be seen from these examples, the application of sorbents is widespread: from household routine to specialized military purposes. Therefore, in each individual case required is the development and the usage of the individual sorbent, capable of absorbing certain chemical substances with high capacity. Thus, it is difficult to use sorbents under the conditions of previously unknown chemical composition of gaseous pollutant or in presence of chemical pollutants of wide range. Propose the model and the working principle of "smart sorbent", capable of adapting to the environmental conditions. The sorbent in question should change its properties for the maximum absorbing efficiency of the chemical pollutants, currently presenting in the air.



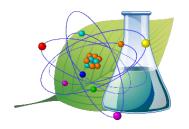












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