

# Think Up South

Idea and technology contest for Human Development.

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**Contest 2015**

Organiza:



Financia:



Colabora:



**We encourage you to develop innovative solutions of unmet developmental problems.**

We live in a world interconnected through economic, social and environmental relationships, with a high interdependence between populations and public and private institutions, all around the globe.

But development has not reached everyone in the same way: With over 1,000 million of hungry people, cutting off poverty and building a fairer world is in the engagement of citizens and public and private organizations from the North and the South.

The ONGAWA Grupo Universidad, Engineering for Human Development, by means of agreement with the *Universidad Politécnica de Madrid* and with the collaboration of *Universidad Carlos III* and *Universidad Complutense de Madrid* launches this contest whose main goal is to give the opportunity to students and teachers of getting an insight of cooperation and how they can apply their learned skills to real cases of study to ensure Human Rights.

The aim of the competition is to ...

- Encourage the application of technologies in the fight against poverty from a collaborative and open working environment.
- Support the generation of responsible, viable and sustainable initiatives, which may turn into social entrepreneurship project in long term.
- Make the most of the potential of the university community in the fight against poverty.

We look for ...

People who bet on innovation and social entrepreneurship to contribute to Human Development and poverty eradication in the South.

We encourage you to discover with us the answers to the following questions:

- Me as student, what can i do for Human Development and the fight against poverty in the South?
- Can you think up anything to improve the quality of life of people from the South from the skills and expertise you have acquired at Uni?

**We believe that, together, we can contribute to promote Human Development and poverty reduction. Contribute to the change. GET INVOLVED.**

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## 1. Participants

All students and members of any of the Universities in Madrid will be welcome to participate in the competition.

At the beginning of the contest the participants will be group into teams. You could bring your laptop for additional research during the competition.

## 2. Method and specific bases

The competition seeks innovative ideas that contribute to reduce poverty and social inequalities in the South, putting technology at the service of the people.

**We need innovative ways to fight against poverty.**

### Creativity and innovation

Participants must be creative, both in setting goals and solving problems that appear during the competition. This creativity is the way they'll be able to be successful in the contest.

### Social impact

A successful social business requires not only an entrepreneur capable of developing a project, but also a new, compelling and practical idea, which responds to a real problem related to development and poverty, and can spread on its own merits. We are looking for people committed and identified with applying appropriate technology and ideas to generate changes and produce real impacts on poverty and human development.

### Ethical quality

We consider ethics one of the most important criteria, and so, the jury is asked to evaluate this quality on every single one of the projects.

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To introduce relevant structural changes in society, social entrepreneurs need to transform the way people act. If this person ethics are not trusted, their chances of success are reduced greatly.

### 3. Development Contest

The contest will be about 5 hours long. In that time, the participants will be asked to analyze the problems of a given scenario, and present real solutions.

Participants will have the opportunity to learn in advance about some important aspects of the competition. This way, we hope to create interest in voluntary work for development cooperation. The scenario will be revealed 6 days in advance. Participants will be provided with links to extra information, and will as well be able to investigate on their own.

The teams for the contest will be formed by a maximum of 5 people, depending on the number of attendees, and will work on the problems identified and exposed during the event. During the contest they will have the assistance of mentors, helping participants with any problem that may come up.

Once the contest time is up, each team will proceed to present their solution in a maximum time of 3 minutes, with an extra 2 minutes to answer the questions from the jury. The solutions will be considered by a jury with expertise in cooperation, who will analyze them according to the following criteria:

- Impact of the solution.
- Feasibility of the solution.
- Sustainability of the solution.
- Applicability of the solution in contiguous locations.
- Presentation of the solution.

The winning solution will receive a diploma recognizing him as the winner, and the team will be given the opportunity to present it in a Seminar at the University promoted by ONGAWA, aimed at students and faculty with an interest in cooperation. It will be also submitted to the relevant Cooperation Groups, to study its viability.

During the competition, Internet access will be provided, so the participants can find additional information to work in their solution. Therefore, the use of computer equipment is allowed, such as laptops and tablets. Food and drinks will also be provided when needed.

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## Do you have an idea? Some examples:

- BioGas in a backpack for improved kitchens Energy supply is one of the biggest problems faced in rural areas. For millions of people, fuels like wood and coal are their main source of energy for cooking and lighting. This presents a number of problems, aside from deforestation, some of them being the amount of time required to collect wood, as well as the fumes produced burning it, usually indoors, which can cause serious health problems, and the risks of setting fire to the building.  
The BioGas in a backpack, produced from manure and plant waste, can be one of the cheapest alternative, easily available source of energy for cooking.
- Foldscope. Low cost Microscope for malaria diagnosis. is an origami-based print-and-fold optical microscope that can be assembled from a flat sheet of paper. Although it costs less than a dollar in parts, it can provide over 2,000X magnification with sub-micron resolution (800nm), weighs less than two nickels (8.8 g), is small enough to fit in a pocket (70 × 20 × 2 mm<sup>3</sup>), requires no external power, and can survive being dropped from a 3-story building or stepped on by a person. Its minimalistic, scalable design is inherently application-specific instead of general-purpose gearing towards applications in global health, field based citizen science and K12-science education.

**Sure that now you do have an idea!**

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