

ACTINPAK STUDENT CONTESTS

“Demonstrators” or “Technological & economical analyses”

General information and application rules.

What is [ActInPak](#)

ActInPak is a COST Action focused on active, smart and intelligent fiber-based packaging solutions; despite the huge potential showed by such products in the optimization of supply chain, improvement of the shelf-life and development of consumer consciousness in food utilization; very few of the potential solutions have been able to reach the market.

The main objective of the Action is thus to fill the gap among the research innovation, industrial production and commercial exploitation of new products by conducting research actions which encompasses not only the development of scientific and technical solutions, but also the analysis of opportunities for and obstacles to market introduction. The key technical, social, economic and legislative factors to focus on, and possibilities/limitations for successful market introduction will be identify by providing an open, multidisciplinary platform for the complete paper and board packaging value chain to share knowledge and solutions among partners.

What is the Student Contest (SC)

The two Student Contests (SC) are networking tools aimed at increasing collaborations between European students, researchers and companies in the field of active & intelligent packaging.

SCs are student activities fostering collaboration between student and partners, contributing to the scientific objectives of the Actions, allowing participant to learn new techniques, communicating on the field.

They are particularly intended for young students in Bachelor or Master Degree.

Student groups should be:

- ✓ from a [Participating COST country](#)
- ✓ available to present their results in an ActInPak conference

Each SC “winner” will be invited in the next ActInPak conference to present their work. They could have networking actions during this conference and their CV will be distributed to all partners (more than 100 contacts in industry and university). Their work will be also on-line in ActInPak website.

Participants (country)
Austria
Belgium
Bosnia and Herzegovina
Bulgaria
Croatia
Cyprus
Czech Republic
Denmark
Finland
France
Germany
Greece
Hungary
Ireland
Israel
Italy
Lithuania
Luxembourg
Netherlands
Norway
Poland
Portugal
Romania
Serbia
Slovakia
Slovenia
Spain
Sweden
Switzerland
Turkey
United Kingdom
Total: 31
International Partners
SCION, New Zealand
University of Tokyo, Japan
Virginia Tech, United States of America
CSIR, South Africa
National Institute of Industrial Technology, ARgentina

There are two SCs: (i) one is focusing on the production of a demonstrator (scale1:1) in active and intelligent packaging (see examples of demonstrator in actinpak website), (ii) the other is dealing with a technological and economic analyses of one type of active and intelligent packaging.

The deadline & deliverables for the different SC are reported below:

	Deadline	Group of student	Deliverable
SC1 – “Demonstrator”	1 st of June 2017	Maximum 8 students	1 report 1 ppt presentation-1 video 1 demonstrator
SC2 – “Tech & eco”	1 st of June 2017	Maximum 2 students	1 report 1 ppt presentation

Application and evaluation procedures

Applicants should register by sending an e-mail to Julien.Bras@grenoble-inp.fr before the 1st of March 2017.

The following information has to be provided during the registration procedure:

- the type of student contest (SC1 or SC2);
- the name of student group;
- the title of the project;

The Steering Group (Chair, Vice chair, STSM leader, WG leader) will evaluate the different proposals on the base of the relevance of the topics addressed and of the proposed activities with respect to the COST action focus. Selection will be made at least 1 month after the deadline and will be made based on the following criteria

-for SC1 – demonstrators:

- a) Methodology and project management
- b) Technology understandings and development
- c) Quality of demonstrator
- d) Outlook and perspectives and challenges for ActInPak

-for SC2 – Tech & Eco:

- a) Methodology and market analysis tool
- b) Technology understandings
- c) Quality of document and of scheme
- d) Outlook and perspectives and challenges for ActInPak

The possibility to fund additional SCs will be discussed within the Steering committee depending on the budget available.