

ActInPak COST Action FP1405

Active and intelligent (fibre-based) packaging – innovation and market introduction

NEWSLETTER

Volume 6

EDITORIAL

Welcome to the sixth newsletter of the COST Action FP 1405, with the title “Time is running out!”

We are almost at the end of the third Grant Period (30/4/2018), meaning we will start our final Grant Period. Even less than a year to finalise all our work, and to think of follow-up activities.

I still remember our very first meeting in Brussels, when the network was new, we didn’t know each other yet, and we had to decide upon our plan of activities. Now the network is three years old, and we are searching for time to actually execute all our plans.

Some overview about our activities and work ahead of us is shortly presented in this Newsletter, more information is available at our [website](#) and [LinkedIn](#).

Sanne Tiekstra, Action Chair
Diana Gregor Svetec, Editor

NEXT ACTINPAK MEETINGS

How to join? Visit the dedicated event’s page on [our website](#), click the register button and fill in your details.

5-6 June 2018, Latest developments in active and intelligent packaging and Opportunities for communication of ActInPak, Working Group Workshop in Riga, Latvia

During this Workshop, we invite participants to give an update on the latest developments in active and intelligent packaging, and discuss the progress of our Action with consumer and environmental organisations. The program continues with a workshop on communication activities for different audiences, and finishes with a WG workshop aims to follow up on previous meetings and work and finalise all deliverables such as roadmaps and leaflets.

Pre-registration and submission of abstract **before 1 April 2018** via [our website](#).

24-27 September 2018, Business Development for Active and Intelligent Packaging, Training School, Grenoble, France

We invite Early Career Investigators and PhD students to join the Training School on Business Development for Active and Intelligent Packaging. During this Training School, the focus will be on the end of the Value Chain to end ActInPak’s joint search ‘how to fill the gap between science and industry’. The Trainees learn how to develop and advertise concepts; to better understand how to create a viable business case and what boundary conditions are important when creating innovations for the market.

COST Action FP1405 ActInPak

Duration:
2015-2019

More information:
www.actinpak.eu
www.linkedin.com/groups/COST-FP1405-Actinpak-8254568/about

More information:
www.actinpak.eu/actinpak-events/

More information:
www.actinpak.eu/training-schools/

Trainees will be asked to bring their own concept (product/material/idea) to the Training School. During registration, the Trainees are requested to submit the topic they want to focus on during the workshop. However, it is also possible to work with the ActInPak demonstrators (for more info, check our website). Pre-registration and submission of abstract **before 1 June 2018** via [our website](#).

20-22 November 2018, Final Conference in Vienna, Austria

Based on previous successful network meetings, the Final Conference and MC meeting program will combine the dissemination of ActInPak activities during an external event with our own conference.

On 20th of November, ActInPak results will be disseminated to a wide industrial audience during Austrian Packaging Day, for which all ActInPak participants are invited free of charge. 21st of November, our Final Conference will take place with a focus on final dissemination. As we aim to invite industry next to scientific interested people, the conference will be in form of a fair. Throughout this day, our results will be shared by means of oral presentations, poster presentations and an exhibition. Also, STSM students are invited to present their work. 22nd of November, the final Management Committee will take place.

Pre-registration **before 1 September 2018** via our website.

PLEASE NOTE that this is an informal invitation for the benefit of pre-registration. The official invitation will be send through e-COST. ONLY then, you are entitled for reimbursement and can derive rights from the invitation, so please wait with any booking.

SELECTION CRITERIA may be used in the case of high interest compared to the number of reimbursements available. If this happens, you will be duly informed. // Selection criteria Riga: first priority goes to active Working Group members, followed by max 1 participant per institute, and max 2 participant per country. // Selection criteria Vienna: first priority goes to 1 MC member per country, followed by active Working Group members, max 1 participant per institute, and max 2 participants per country. // Selection criteria Training School Grenoble: first priority goes to PhD students, followed by topic, and maximum 1 participant per institute.

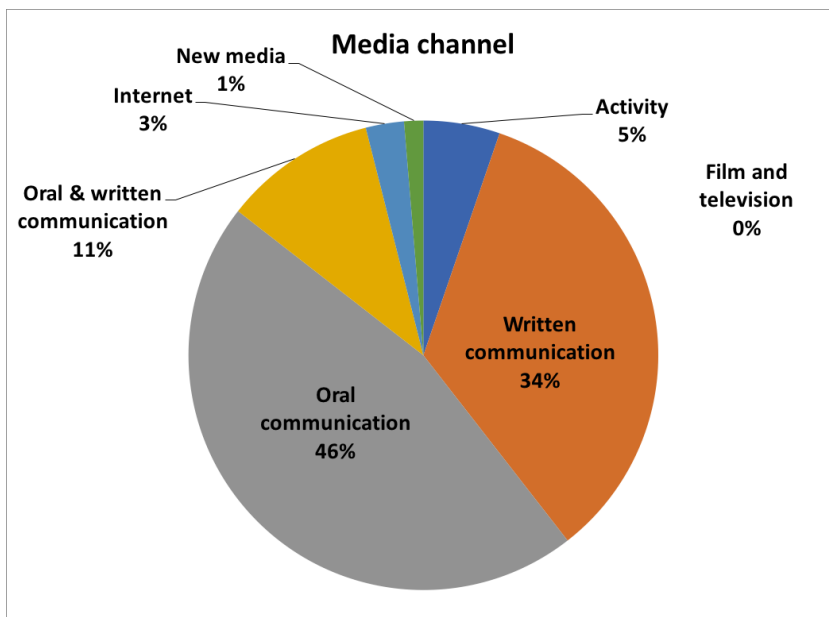
REIMBURSEMENT We will send more information on the reimbursement, itinerary, and suggestions for accommodation once the selection procedure is finalised. Keep in mind there is a lowered accommodation reimbursement of €80/night for the Riga-meeting.

For more information on reimbursement, see also the document Reimbursement FAQ on [our website](#).

More information:
<http://www.actinpak.eu/november-2017-mcwggs-meeting-application-communication-judean-hills-israel/>

KNOWLEDGE TRANSFER AND DISSEMINATION

The overview of dissemination activities presented at our last MC/WGs meeting: Application & Communication revealed 121 contributions from Action members until November 2017 with a similar distribution between scientific and non-scientific ones. You can read more at Presentations from COST events on our [website](#).



In 2018, two comprehensive scientific publications related to the Action ActInPak written by Action members were published.

Scientific review paper

The review paper “Active Packaging Applications for Food” written from members of WG1 was published in Wiley Journal - Comprehensive Reviews in Food Science and Food Safety. This review will provide food and packaging scientists with a thorough understanding of the benefits of AP technologies when applied to specific foods and hence can assist in accelerating commercial adoption. It is available at:

<https://onlinelibrary.wiley.com/doi/full/10.1111/1541-4337.12322>

Scientific book

The book “Nanotechnology for Food Packaging: Materials, Processing Technologies, and Safety Issues” discusses the use of nanotechnology for the development of food packaging. The book discusses the use of nanostructured materials for the development of new and innovative packaging, focusing on nanocomposites, active and intelligent packaging. Also, the migration and toxicity of nanomaterials and commercial applications are presented in the book. This book is closely related to the COST Action ActInPak objectives being some of their contributors’ members of this Action. If you are interested in know more about it please, have a look at the Elsevier website (<https://www.elsevier.com/books/nanomaterials-for-food-packaging/cerqueira/978-0-323-51271-8>).

I hope you enjoy it! says one of the editors, Miguel A. Cerqueira.

COMMUNICATION STRATEGY

Our action communication strategy in GP4 addresses different target audience using different tools.

Tools to communicate to **scientific community, organisations, industry:**

- online:
 - website, social media (YouTube, LinkedIn, Facebook)
 - videos
 - e-Newsletter
 - leaflets (translated in different European languages)
 - articles in scientific journals and chapters in scientific monographs
 - COST Action book
- print:
 - ActInPak leaflets (in English language) for industry
 - press releases in magazines targeting industry
- events:
 - ActInPak conference, ActInPak workshop, ActInPak training school
 - national and international conferences, workshops, exhibitions

Tools to communicate to **policymakers, national authorities:**

- online/print/TV/radio:
 - press releases in magazines targeting policymakers, national authorities
 - articles and interviews in local media

Tools to communicate to **layperson:**

- online/print/TV/radio:
 - ActInPak educational video
 - social media
 - press releases in national/local media
 - articles and interviews in national/local media targeting general public

Our communication strategy is very ambitious. We need your help to achieve it. Thanks to all of you who already volunteered to help with the dissemination activities! [Diana Gregor Svetec](#), our science communications manager, will coordinate the activities.

PLANED DISSEMINATION ACTIVITIES

Leaflets

As you all know, the first industry leaflet was published a while ago, and more leaflets are being prepared to be finalised before the end of the current Grant Period. These leaflets will be printed in English language and then distributed across MC members and other active participants.

Next to this, during our last meeting in Israel we have identified 1 person per country to help with translation in local language. These people are contacted by Diana Gregor Svetec, our science communications manager, to provide the translations. When this is done, all local language translated leaflets will be published on our website. We are still missing a person to do the translation from Denmark and Croatia.

Furthermore, two groups of students (one from Julien Bras' group in France, and one from Maria Cadarso's group in Portugal) have worked on the second generation leaflet, trying to connect more with the consumer.

More information:

<http://www.actinpak.eu/leaflet/>

Twitter

We have created an account for ActInPak on Twitter: [@actinpak](https://twitter.com/actinpak)

Now you can use this tag or the hashtag #actinpak when you tweet on something related to our Action.

Google Scholar

We would like to request you to add “Active and Intelligent Packaging” to your interests on your Google Scholar profile. This way, we can generate an updated list with people working on this topic. This list will then be easy to access also after our Action’s closure to keep in touch!

Press releases / general text

If you’d like to promote our Action, or more specifically our final conference, please feel free to distribute the press release or the general text that you can download from our website [ActInPak documents](#).

If you distribute the press release, it would be nice for us to know where we are featured. You can inform [Diana Gregor Svetec](#) about this.



Funded by the Horizon 2020 Framework Programme of the European Union



COST Action FP 1405
Active and intelligent fibre-based packaging –
innovation and market introduction

COST Action FP1405 Active and intelligent fibre-based packaging - innovation and market introduction (ActInPak)

The main objective of the Action is to develop a knowledge-based network on sustainable, active and intelligent fibre-based packaging in order to overcome current technological, industrial, and social limitations that hinder the wide deployment of existing and newly developed solutions in market applications.

Research and development of new fibre-based packaging materials with active and intelligent features have shown huge potential to optimise the supply chain, and increase the shelf-life of foodstuff and enhance consumer consciousness of food utilisation. Very few of the potential solutions have, however, been able to reach the market.

This Action aims to identify and focus on the key technical, social, economic and legislative factors relevant for a successful deployment of renewable fibre-based functional packaging solutions. This will be achieved by conducting research and development into active and intelligent packaging, encompassing both scientific and technical solutions, addressing the opportunities for, and obstacles to, market introduction. The innovative approach of this Action lies in the sharp focus on the integration of active and intelligent solutions in papermaking in order to create next-generation functional fibre-based packaging. The Action will achieve the objectives by providing an open multidisciplinary platform for the complete paper and board packaging value chain and aims at strong involvement of industrial partners throughout Europe. Sustainable fibre-based packaging materials with new and active functionalities may help to introduce new products on the market with higher value and profits for paper and board manufacturers than traditional products.

Currently, 39 countries are involved in the network, with participants representing over 100 institutes and companies.

More information: www.actinpak.eu

Or join our LinkedIn network: <https://www.linkedin.com/groups/COST-FP1405-ActInPak-8254568/about>

More information:

<http://www.actinpak.eu/resources/actinpak-documents/>



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****PRESS RELEASE****

**ActInPak Fair
Final Conference COST Action FP1405
Active and intelligent fibre-based packaging - innovation and market
introduction**

The Final Conference of COST Action FP1405 ActInPak will take place on 21st of November 2018 in Vienna, Austria. During the ActInPak Fair, oral presentations, poster presentations and an exhibition will share the outcomes of four years of work will be communicated to industry, policymakers, scientists, and other stakeholders. Since 2015, ActInPak aimed to develop a knowledge-based network on sustainable, active and intelligent fibre-based packaging in order to overcome current technological, industrial, and social limitations that hinder the wide deployment of existing and newly developed solutions in market applications.

Research and development of new fibre-based packaging materials with active and intelligent features have shown huge potential in the past to optimise the supply chain, and increase the shelf-life of foodstuff and enhance consumer consciousness of food utilisation. Very few of the potential solutions have, however, been able to reach the market. Therefore, the key technical, social, economic and legislative factors relevant for a successful deployment of renewable fibre-based functional packaging solutions are identified.

The Action achieved the objectives by providing an open multidisciplinary platform for the complete paper and board packaging value chain and had a strong involvement of industrial partners throughout Europe. Sustainable fibre-based packaging materials with new and active functionalities may help to introduce new products on the market with higher value and profits for paper and board manufacturers than traditional products.

Currently, 39 countries are involved in the network, with participants representing over 100 institutes and companies.

More information: [link to event-page](#)

Or join our LinkedIn network: <https://www.linkedin.com/groups/COST-FP1405-ActInPak-8254568/about>