

## Work And Budget Plan

FP1405 Grant Agreement Period 1

01/06/2015 to 31/05/2016

### Section I: Action Profile

#### Action General Information

|                   |                                                                                                       |                        |                   |
|-------------------|-------------------------------------------------------------------------------------------------------|------------------------|-------------------|
| Action Code       | FP1405                                                                                                | MC Chair               | Ms Sanne Tiekstra |
| Action Title      | FP1405 - Active and intelligent fibre-based packaging - innovation and market introduction (ActInPak) |                        |                   |
| MOU               |                                                                                                       | Draft MOU              | oc-2014-1-18987   |
| CSO Approval Date | 2014-11-13                                                                                            |                        |                   |
| Action Start Date | 2015-03-20                                                                                            | Action End Date        | 2019-03-19        |
| Science Officer   | Dr Fatima Bouchama                                                                                    | Administrative Officer | Ms Cassia Azevedo |

#### Participating COST Member Countries and Cooperating State:

|                                        | ITC           |        | Non-ITC           |        | Total |
|----------------------------------------|---------------|--------|-------------------|--------|-------|
| Cost Countries having accepted the MOU | Number        | 13     | Number            | 15     | 28    |
|                                        | % of all ITCs | 46.43% | % of all non-ITCs | 53.57% |       |
| Number of MC Members                   | 21            |        | 29                |        | 50    |

| Country and Acceptance Date |               |               |
|-----------------------------|---------------|---------------|
| AT 17/12/2014               | HU 28/11/2014 | RS 20/02/2015 |
| BE 10/02/2015               | IE 07/04/2015 | SK 15/03/2015 |
| BG 10/12/2014               | IT 30/01/2015 | SI 24/11/2014 |
| HR 12/01/2015               | LT 13/04/2015 | ES 10/12/2014 |
| CZ 16/02/2015               | LU 08/12/2014 | SE 26/01/2015 |
| DK 05/12/2014               | NL 24/11/2014 | CH 16/03/2015 |
| FI 09/12/2014               | NO 23/03/2015 | TR 16/03/2015 |
| FR 03/12/2014               | PL 05/12/2014 | UK 18/11/2014 |
| DE 05/12/2014               | PT 04/02/2015 |               |
| EL 16/02/2015               | RO 30/01/2015 |               |

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### International cooperation

|                                                     | NNC | IPC | Specific Organisation | Total |
|-----------------------------------------------------|-----|-----|-----------------------|-------|
| Number of entities formally approved to join Action | 0   | 2   | 0                     | 2     |
| Number of countries                                 | 0   | 2   | 0                     | 2     |

### Working Groups

|     | WG Title                                     | WG Leader              | Number of Members |
|-----|----------------------------------------------|------------------------|-------------------|
| WG1 | Development/Innovation                       | Prof Selçuk Yildirim   | 55                |
| WG2 | Industrialisation/Market introduction        | Dr Johanna Lahti       | 33                |
| WG3 | LCA/Sustainability issues, health and safety | Mr Grzegorz Ganczewski | 22                |
| WG4 | Knowledge transfer and dissemination         | Dr David Ravnjak       | 25                |

## Section II: MoU objectives and Grant Agreement Period Goals and Activities

### Action Objectives from MoU

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aim/primary Objective | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Secondary objectives  | <ul style="list-style-type: none"> <li>• To direct future innovations and contribute to existing development efforts into scientific/technical research into fibre-based materials, new additives and techniques for active and intelligent functions.</li> <li>• To identify market demands, possibilities and any obstacles to market introduction of active and intelligent fibre-based packaging.</li> <li>• Identify the technical limits and opportunities for development of active and intelligent fibre-based packaging.</li> <li>• Identify market demands and supply chain challenges to ensure easy introduction of smart packaging.</li> <li>• Identify sustainability, health and safety issues.</li> <li>• Disseminate knowledge to industry and society.</li> </ul> |

### Grant Agreement Period

|                                   |            |                                 |            |
|-----------------------------------|------------|---------------------------------|------------|
| Grant Agreement Period Start Date | 01/06/2015 | Grant Agreement Period End Date | 31/05/2016 |
|-----------------------------------|------------|---------------------------------|------------|

### Grant Agreement Period Goals

| Number | Grant Agreement Period Goal                                                                                                                                                           | MoU Objective(s) it relates to                                                                                                                                              |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GAPG 1 | State of the art and current scientific developments will be assessed so scientific research can take into account all the boundary conditions for implementation of the developments | Aim/Primary objective<br>Secondary objective 1<br>Secondary objective 2<br>Secondary objective 3<br>Secondary objective 4<br>Secondary objective 5                          |
| GAPG 2 | Boundary conditions (social, technological, economical, ecological, political, market demand) for successful market introduction will be inventoried and assessed                     | Aim/Primary objective<br>Secondary objective 1<br>Secondary objective 2<br>Secondary objective 3<br>Secondary objective 4<br>Secondary objective 5                          |
| GAPG 3 | A first evaluation will be made of the success rate regarding acceptance and implementation of the scientific developments to be able to direct further innovation.                   | Aim/Primary objective<br>Secondary objective 1<br>Secondary objective 2<br>Secondary objective 3<br>Secondary objective 4<br>Secondary objective 5<br>Secondary objective 6 |

## Section IV: Work and Budget Plan for the Grant Agreement Period

### Work and Budget Plan Summary

| <b>A. COST Networking Tools</b>                       | EUR        |
|-------------------------------------------------------|------------|
| (1) Meetings                                          | 96,620.00  |
| (2) Training Schools                                  | 0.00       |
| (3) STSMs                                             | 10,000.00  |
| (4) Dissemination                                     | 4,500.00   |
| (5) Other Expenses Related to Scientific Activities   | 1,000.00   |
| <b>B. Total Science Expenditure(sum of(1) to (5))</b> | 112,120.00 |
| <b>C. FSAC(max. of 15% of B)</b>                      | 16,818.00  |
| <b>D. Total Expenditure(B+C)</b>                      | 128,938.00 |

## Meetings

### Overview

| Meeting Title                | Meeting Type                                                                      | Dates                      | Location              | ITC   | Total Cost(EUR) |
|------------------------------|-----------------------------------------------------------------------------------|----------------------------|-----------------------|-------|-----------------|
| Meeting 1<br>(MCM2, WG)      | Working Group Meeting,<br>Management Committee Meeting, Worksh<br>ops/Conferences | 15/09/2015 -<br>16/09/2015 | Aveiro (Portugal)     | Yes   | 37,350.00       |
| WG1+3+4<br>Industry Workshop | Working Group Meeting, Worksh<br>ops/Conferences                                  | 09/11/2015 -<br>09/11/2015 | Athens (Greece)       | No    | 12,350.00       |
| WG2+4 Industry workshops     | Working Group Meeting, Worksh<br>ops/Conferences                                  | 10/11/2015 -<br>11/11/2015 | Utrecht (Netherlands) | No    | 12,060.00       |
| Meeting 2<br>(MCM3, WG)      | Management Committee Meeting,<br>Working Group Meeting, Worksh<br>ops/Conferences | 12/04/2016 -<br>13/04/2016 | Ljubljana (Slovenia)  | Yes   | 34,860.00       |
|                              |                                                                                   |                            |                       | Total | 96,620.00       |

### Details

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Meeting Type                         | Working Group Meeting, Management Committee Meeting, Workshops/Conferences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Title of the Meeting                 | Meeting 1 (MCM2, WG)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Grant Period Goal(s) it will address | State of the art and current scientific developments will be assessed so scientific research can take into account all the boundary conditions for implementation of the developments, Boundary conditions (social, technological, economical, ecological, political, market demand) for successful market introduction will be inventoried and assessed, A first evaluation will be made of the success rate regarding acceptance and implementation of the scientific developments to be able to direct further innovation.                                                                                                                                                                                                                                                                                                                                                                |
| Description                          | 15/9: Full day Plenary meeting with invited speakers on three topics (food, packaging, legislation) and presentations from participants to get to know each other. Getting acquainted can also be achieved via a 'speed dating dinner' in the evening // 16/9: 4h parallel WG meetings to define the WG Action Plans per WG, prepare the conference participation (meeting November), and to get acquainted. This session will be closed by short presentations of all WG leaders in a plenary session // 16/9: 2h MC meeting // Reason to pick these dates and location is the conference on food safety in Porto from 16-18 September 2015: <a href="https://porto2015.moniqa.org/home">https://porto2015.moniqa.org/home</a> . The Action can benefit from this by inviting speakers and participants for our own meeting and by this gaining input from the food and health safety side. |
| Output(s)                            | Definition of the work plan of the different WG activities will lead to an action plan per WG to organise a training school, prepare and submit (by end of GP1) a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                         |                     |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------|
|                                             | review paper, promote a workshop, and so on. These goals will have to be reached by the end of the first Action year. These WG Action Plans should be presented at the end of the first Grant Period, in order to set up the WBP for the second Grant Period. // Workshop and conference presentations and proceedings (in electronic format), preferably to be published on the Action public website and LinkedIn page. // |                                                         |                     |
| Location                                    | Aveiro (Portugal)                                                                                                                                                                                                                                                                                                                                                                                                            | ITC                                                     | Yes                 |
| Start Date                                  | 2015-09-15 10:00:00                                                                                                                                                                                                                                                                                                                                                                                                          | End Date                                                | 2015-09-16 15:00:00 |
| Duration                                    | 2 days                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                         |                     |
| Number of expected total participants       | 45                                                                                                                                                                                                                                                                                                                                                                                                                           | Number of participants to be reimbursed from COST funds | 45                  |
| Average reimbursement(per participant)(EUR) | 790.00                                                                                                                                                                                                                                                                                                                                                                                                                       | Total Reimbursement costs (EUR)                         | 35,550.00           |
| Local Organiser Support (EUR)               | 1,800.00                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                         |                     |
| Total cost of the meeting (EUR)             | 37,350.00                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                         |                     |

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Meeting Type                         | Working Group Meeting,Workshops/Conferences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Title of the Meeting                 | WG1+3+4 Industry Workshop                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Grant Period Goal(s) it will address | State of the art and current scientific developments will be assessed so scientific research can take into account all the boundary conditions for implementation of the developments,Boundary conditions (social, technological, economical, ecological, political, market demand) for successfull market introduction will be inventoried and assessed,A first evaluation will be made of the success rate regarding acceptance and implementation of the scientific developments to be able to direct further innovation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Description                          | Conference/Industrial workshop co-located with Effost conference in Athens, Greece from 10-12 November: <a href="http://www.effostconference.com/">http://www.effostconference.com/</a> // FP1405 benefits from this cooperation as Effost attracts a lot of prominent industrial partners working on Food Science Research and Innovation. By organising our own session in the same venue and by combined communication we hope to attract industrial partners to our own session and to get their input. // The Action session will be an extra 1/2 day in Effost's program, which will be communicated in cooperation with the Effost conference. // Program: 9 November 9-15 will be the Action's WG1+3+4 working group session, with presentations of the WG participants and feedback of the September meeting where participants received tasks. From 15-19 will be the Action's session as extension to Effost's program for which the industrial partners will be invited. // Since the program of Effost was almost finished at the time we started discussing co-location with them, we opted for an extra day before the Effost conference. This way we can still benefit from the conference attendees by inviting them to our session (with the help of Effost organisation). It is also still under discussion if the organisation will be in the same place or at Athens University itself (COST Action member). |
| Output(s)                            | Conference presentations and proceedings (electronical, to be published on Action website and LinkedIn page // Network creation // Awareness creation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

|                                             |                                                                      |                                                         |                     |
|---------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------|---------------------|
|                                             | amongst industry // A summary of the view of and input from industry |                                                         |                     |
| Location                                    | Athens (Greece)                                                      | ITC                                                     | No                  |
| Start Date                                  | 2015-11-09 09:00:00                                                  | End Date                                                | 2015-11-09 18:00:00 |
| Duration                                    | 1 day                                                                |                                                         |                     |
| Number of expected total participants       | 19                                                                   | Number of participants to be reimbursed from COST funds | 19                  |
| Average reimbursement(per participant)(EUR) | 630.00                                                               | Total Reimbursement costs (EUR)                         | 11,970.00           |
| Local Organiser Support (EUR)               | 380.00                                                               |                                                         |                     |
| Total cost of the meeting (EUR)             | 12,350.00                                                            |                                                         |                     |

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                         |                     |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------|
| Meeting Type                          | Working Group Meeting,Workshops/Conferences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                         |                     |
| Title of the Meeting                  | WG2+4 Industry workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                         |                     |
| Grant Period Goal(s) it will address  | State of the art and current scientific developments will be assessed so scientific research can take into account all the boundary conditions for implementation of the developments,Boundary conditions (social, technological, economical, ecological, political, market demand) for successfull market introduction will be inventoried and assessed,A first evaluation will be made of the success rate regarding acceptance and implementation of the scientific developments to be able to direct further innovation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                         |                     |
| Description                           | Conference/Industrial workshop co-located with AIPIA conference in Utrecht, the Netherlands on 9 and 10 November: <a href="http://www.aip-worldcongress.org/aip_congress-meetings.php">http://www.aip-worldcongress.org/aip_congress-meetings.php</a> // FP1405 benefits from this cooperation as AIPIA attracts a lot of prominent industrial partners working on active and intelligent packaging. By organising our own session in the same venue and by combined communication we hope to attract industrial partners to our own session and to get their input. // The Action session will be an extra 1/2 day in AIPIA's program, which will be communicated by AIPIA in their conference communication. // Program: 10 November 15-17 Action participants will have the opportunity to attend the AIPIA fair (for free), from 17-19 will be the Action's session within AIPIA's program for which the industrial partners will be invited. On 11 November 9-13 will be the Action's WG2 working group session, with presentations of the WG participants and feedback of the September meeting where participants received tasks. |                                                         |                     |
| Output(s)                             | Conference presentations and proceedings (electronical), to be published on Action website and LinkedIn page // Network creation // Awareness creation amongst industry // A summary of the view of and input from industry //                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                         |                     |
| Location                              | Utrecht (Netherlands)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ITC                                                     | No                  |
| Start Date                            | 2015-11-10 15:00:00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | End Date                                                | 2015-11-11 13:00:00 |
| Duration                              | 2 days                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                         |                     |
| Number of expected total participants | 18                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Number of participants to be reimbursed from COST funds | 18                  |



|                                             |           |                                 |           |
|---------------------------------------------|-----------|---------------------------------|-----------|
| Average reimbursement(per participant)(EUR) | 650.00    | Total Reimbursement costs (EUR) | 11,700.00 |
| Local Organiser Support (EUR)               | 360.00    |                                 |           |
| Total cost of the meeting (EUR)             | 12,060.00 |                                 |           |

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                         |                     |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------|
| Meeting Type                                | Management Committee Meeting, Working Group Meeting, Workshops/Conferences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                         |                     |
| Title of the Meeting                        | Meeting 2 (MCM3, WG)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                         |                     |
| Grant Period Goal(s) it will address        | State of the art and current scientific developments will be assessed so scientific research can take into account all the boundary conditions for implementation of the developments, Boundary conditions (social, technological, economical, ecological, political, market demand) for successful market introduction will be inventoried and assessed, A first evaluation will be made of the success rate regarding acceptance and implementation of the scientific developments to be able to direct further innovation.                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                         |                     |
| Description                                 | 12/4: Full day Plenary meeting with presentations from participants, including feedback from the workshops in november 2015, as well as STSM presentations, and invited students that present the results of their technical and market analysis (French student project for which the Action can give an assignment) // 13/4: 4h parallel WG meetings to work with the input from the november meetings, and to finalise the review papers, as well as the definition document (to define a.o. active and intelligent packaging, fibre-based packaging, and market). This session will be closed by short presentations of all WG leaders in a plenary session // 13/4: 2h MC meeting // Location and exact dates will be decided in MC meeting in September 2015 // Aim is to use budget as efficient as possible and to invite participants from each country and have at least 40-45 participants. If, based on the budget, there is not more space, then less people will be invited. |                                                         |                     |
| Output(s)                                   | WGs will deliver: review paper, definition documents (clarifying a.o. active and intelligent packaging, fibre-based, market), a proposal for a training school in GP2. // Workshop and conference presentations and proceedings (in electronic format), preferably to be published on the Action public website and LinkedIn page. // MC meeting will set goals for the second Action year, including a preliminary agenda for the second Grant Period.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                         |                     |
| Location                                    | Ljubljana (Slovenia)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ITC                                                     | Yes                 |
| Start Date                                  | 2016-04-12 09:00:00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | End Date                                                | 2016-04-13 15:00:00 |
| Duration                                    | 2 days                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                         |                     |
| Number of expected total participants       | 42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Number of participants to be reimbursed from COST funds | 42                  |
| Average reimbursement(per participant)(EUR) | 790.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Total Reimbursement costs (EUR)                         | 33,180.00           |
| Local Organiser Support (EUR)               | 1,680.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                         |                     |

|                                    |           |
|------------------------------------|-----------|
| Total cost of the meeting<br>(EUR) | 34,860.00 |
|------------------------------------|-----------|

## STSM

|                            |           |
|----------------------------|-----------|
| Number                     | 4         |
| Average cost per STSM(EUR) | 2,500.00  |
| Total cost(EUR)            | 10,000.00 |

### How will the STSMs contribute to the achievement of the Grant Period Goals?

State of the art and current scientific developments will be assessed so scientific research can take into account all the boundary conditions for implementation of the developments, Boundary conditions (social, technological, economical, ecological, political, market demand) for successful market introduction will be inventoried and assessed, A first evaluation will be made of the success rate regarding acceptance and implementation of the scientific developments to be able to direct further innovation.

At least 4 STSMs should be executed by the end of GP1, preferably from science to industry or v.v.

Contribution of experience in the analysis of state-of-the-art, boundary conditions, and most promising scientific developments // Initiation of collaboration between laboratories // Reports on the STSM activities, preferably in the form of a presentation or video pod cast so that it can be presented during conferences/meetings and be published on the Action Public website and LinkedIn page or even other social media. //

## Disseminations

| Title          | Type           | Publisher/provider                              | Expected date of Release | Cost(EUR) |
|----------------|----------------|-------------------------------------------------|--------------------------|-----------|
| FP1405 Website | Action Website | University of Ljubljana (still to be confirmed) | 18/12/2015               | 4,500.00  |

### How will this Dissemination contribute to the achievement of the Grant Period Goals?

State of the art and current scientific developments will be assessed so scientific research can take into account all the boundary conditions for implementation of the developments, Boundary conditions (social, technological, economical, ecological, political, market demand) for successful market introduction will be inventoried and assessed, A first evaluation will be made of the success rate regarding acceptance and implementation of the scientific developments to be able to direct further innovation.

|                      |          |
|----------------------|----------|
| Total Disseminations | 4,500.00 |
|----------------------|----------|

## OERSA

| Item       | Cost(EUR) |
|------------|-----------|
| Bank costs | 1,000.00  |



## WORKPLAN

### Annex A - Work And Budget plan

#### FP1405

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

Grant Period from 01/06/2015 to 31/05/2016

#### Summary Budget

| Instrument                                                         | Quant. | Budget                                     |
|--------------------------------------------------------------------|--------|--------------------------------------------|
| Meetings                                                           | 4      | 96620.00 EUR                               |
| Training Schools                                                   | 0      | 0.00 EUR                                   |
| STSMs                                                              | 4      | 10000.00 EUR                               |
| Dissemination                                                      | 1      | 4500.00 EUR                                |
| Other Expenses Related to Scientific Activities                    | 1      | 1000.00 EUR                                |
|                                                                    |        | <b>SCIENCE EXPENDITURE : 112120.00 EUR</b> |
| Financial and Scientific Administration and Coordination(MAX. 15%) | 15%    | 16818.00 EUR                               |
|                                                                    |        | <b>TOTAL EXPENDITURE : 128938.00 EUR</b>   |

Signature : \_\_\_\_\_

Date : \_\_\_\_\_



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## Indicative Information

### Details for Meetings

#### Meeting 1

|                                  |                                                                            |
|----------------------------------|----------------------------------------------------------------------------|
| <b>Type :</b>                    | Working Group Meeting, Management Committee Meeting, Workshops/Conferences |
| <b>Title :</b>                   | Meeting 1 (MCM2, WG)                                                       |
| <b>Location :</b>                | Aveiro (Portugal)                                                          |
| <b>Date :</b>                    | 15/09/2015 - 16/09/2015                                                    |
| <b>Total Participants :</b>      | 45                                                                         |
| <b>Total Reimbursed :</b>        | 45                                                                         |
| <b>Travel Costs :</b>            | 35550.00 EUR                                                               |
| <b>Local Organiser Support :</b> | 1800.00 EUR                                                                |

#### Meeting 2

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| <b>Type :</b>                    | Working Group Meeting, Workshops/Conferences |
| <b>Title :</b>                   | WG1+3+4 Industry Workshop                    |
| <b>Location :</b>                | Athens (Greece)                              |
| <b>Date :</b>                    | 09/11/2015 - 09/11/2015                      |
| <b>Total Participants :</b>      | 19                                           |
| <b>Total Reimbursed :</b>        | 19                                           |
| <b>Travel Costs :</b>            | 11970.00 EUR                                 |
| <b>Local Organiser Support :</b> | 380.00 EUR                                   |

#### Meeting 3

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| <b>Type :</b>                    | Working Group Meeting, Workshops/Conferences |
| <b>Title :</b>                   | WG2+4 Industry workshops                     |
| <b>Location :</b>                | Utrecht (Netherlands)                        |
| <b>Date :</b>                    | 10/11/2015 - 11/11/2015                      |
| <b>Total Participants :</b>      | 18                                           |
| <b>Total Reimbursed :</b>        | 18                                           |
| <b>Travel Costs :</b>            | 11700.00 EUR                                 |
| <b>Local Organiser Support :</b> | 360.00 EUR                                   |

#### Meeting 4

|                                  |                                                                            |
|----------------------------------|----------------------------------------------------------------------------|
| <b>Type :</b>                    | Management Committee Meeting, Working Group Meeting, Workshops/Conferences |
| <b>Title :</b>                   | Meeting 2 (MCM3, WG)                                                       |
| <b>Location :</b>                | Ljubljana (Slovenia)                                                       |
| <b>Date :</b>                    | 12/04/2016 - 13/04/2016                                                    |
| <b>Total Participants :</b>      | 42                                                                         |
| <b>Total Reimbursed :</b>        | 42                                                                         |
| <b>Travel Costs :</b>            | 33180.00 EUR                                                               |
| <b>Local Organiser Support :</b> | 1680.00 EUR                                                                |

## Details for Training Schools

You have no Training Schools.

## Details for STSMs

### STSM Summary

|                                 |              |
|---------------------------------|--------------|
| <b>Number Of STSMs :</b>        | 4            |
| <b>Amount Per STSM :</b>        | 2500.00 EUR  |
| <b>Total Budget For STSMs :</b> | 10000.00 EUR |

## Details for Dissemination

### Item 1

|                                |                                                 |
|--------------------------------|-------------------------------------------------|
| <b>Title :</b>                 | FP1405 Website                                  |
| <b>Expected Release Date :</b> | 18/12/2015                                      |
| <b>Publisher Or Supplier :</b> | University of Ljubljana (still to be confirmed) |
| <b>Type :</b>                  | Action Website                                  |
| <b>Amount :</b>                | 4500.00 EUR                                     |

## Details for Other Expenditures Related to Scientific Activities

### Expense 1

|                 |             |
|-----------------|-------------|
| <b>Title :</b>  | Bank costs  |
| <b>Amount :</b> | 1000.00 EUR |

## Work And Budget Plan

FP1405 Grant Agreement Period 1  
01/06/2015 to 30/04/2016

### Section I: Action Profile

#### Action General Information

|                   |                                                                                                       |                        |                   |
|-------------------|-------------------------------------------------------------------------------------------------------|------------------------|-------------------|
| Action Code       | FP1405                                                                                                | MC Chair               | Ms Sanne Tiekstra |
| Action Title      | FP1405 - Active and intelligent fibre-based packaging - innovation and market introduction (ActInPak) |                        |                   |
| MOU               | 099/14                                                                                                | Draft MOU              | oc-2014-1-18987   |
| CSO Approval Date | 2014-11-13                                                                                            |                        |                   |
| Action Start Date | 2015-03-20                                                                                            | Action End Date        | 2019-03-19        |
| Science Officer   | Dr Fatima Bouchama                                                                                    | Administrative Officer | Ms Cassia Azevedo |

#### Participating COST Member Countries and Cooperating State:

|                                        | ITC           |        | Non-ITC           |        | Total |
|----------------------------------------|---------------|--------|-------------------|--------|-------|
| Cost Countries having accepted the MOU | Number        | 15     | Number            | 16     | 31    |
|                                        | % of all ITCs | 48.39% | % of all non-ITCs | 51.61% |       |
| Number of MC Members                   | 27            |        | 31                |        | 58    |

| Country and Acceptance Date |               |               |
|-----------------------------|---------------|---------------|
| AT 17/12/2014               | EL 16/02/2015 | RO 30/01/2015 |
| BE 10/02/2015               | HU 28/11/2014 | RS 20/02/2015 |
| BA 26/02/2016               | IE 07/04/2015 | SK 15/03/2015 |
| BG 10/12/2014               | IL 18/12/2015 | SI 24/11/2014 |
| HR 12/01/2015               | IT 30/01/2015 | ES 10/12/2014 |
| CY 25/05/2016               | LT 13/04/2015 | SE 26/01/2015 |
| CZ 16/02/2015               | LU 08/12/2014 | CH 16/03/2015 |
| DK 05/12/2014               | NL 24/11/2014 | TR 16/03/2015 |
| FI 09/12/2014               | NO 23/03/2015 | UK 18/11/2014 |
| FR 03/12/2014               | PL 05/12/2014 |               |
| DE 05/12/2014               | PT 04/02/2015 |               |

Submitted : 2016-04-18 at 2:29 PM  
Generated : 2016-06-09 at 11:33 AM

## International cooperation

|                                                     | NNC | IPC | Specific Organisation | Total |
|-----------------------------------------------------|-----|-----|-----------------------|-------|
| Number of entities formally approved to join Action | 0   | 4   | 0                     | 4     |
| Number of countries                                 | 0   | 4   | 0                     | 4     |

## Working Groups

|     | WG Title                                     | WG Leader              | Number of Members |
|-----|----------------------------------------------|------------------------|-------------------|
| WG1 | Development/Innovation                       | Prof Selçuk Yildirim   | 85                |
| WG2 | Industrialisation/Market introduction        | Dr Johanna Lahti       | 40                |
| WG3 | LCA/Sustainability issues, health and safety | Mr Grzegorz Ganczewski | 30                |
| WG4 | Knowledge transfer and dissemination         | Dr David Ravnjak       | 27                |



## Section II: MoU objectives and Grant Agreement Period Goals and Activities

### Action Objectives from MoU

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Aim/primary Objective | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Secondary objectives  | <ul style="list-style-type: none"> <li>• To direct future innovations and contribute to existing development efforts into scientific/technical research into fibre-based materials, new additives and techniques for active and intelligent functions.</li> <li>• To identify market demands, possibilities and any obstacles to market introduction of active and intelligent fibre-based packaging.</li> <li>• Identify the technical limits and opportunities for development of active and intelligent fibre-based packaging.</li> <li>• Identify market demands and supply chain challenges to ensure easy introduction of smart packaging.</li> <li>• Identify sustainability, health and safety issues.</li> <li>• Disseminate knowledge to industry and society.</li> </ul> |

### Grant Agreement Period

|                                   |            |                                 |            |
|-----------------------------------|------------|---------------------------------|------------|
| Grant Agreement Period Start Date | 01/06/2015 | Grant Agreement Period End Date | 30/04/2016 |
|-----------------------------------|------------|---------------------------------|------------|

### Grant Agreement Period Goals

| Number | Grant Agreement Period Goal                                                                                                                                                           | MoU Objective(s) it relates to                                                                                                                                                                                                                                                  |
|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GAPG 1 | State of the art and current scientific developments will be assessed so scientific research can take into account all the boundary conditions for implementation of the developments | <ul style="list-style-type: none"> <li>• Aim/Primary objective</li> <li>• Secondary objective 1</li> <li>• Secondary objective 2</li> <li>• Secondary objective 3</li> <li>• Secondary objective 4</li> <li>• Secondary objective 5</li> </ul>                                  |
| GAPG 2 | Boundary conditions (social, technological, economical, ecological, political, market demand) for successful market introduction will be inventoried and assessed                     | <ul style="list-style-type: none"> <li>• Aim/Primary objective</li> <li>• Secondary objective 1</li> <li>• Secondary objective 2</li> <li>• Secondary objective 3</li> <li>• Secondary objective 4</li> <li>• Secondary objective 5</li> </ul>                                  |
| GAPG 3 | A first evaluation will be made of the success rate regarding acceptance and implementation of the scientific developments to be able to direct further innovation.                   | <ul style="list-style-type: none"> <li>• Aim/Primary objective</li> <li>• Secondary objective 1</li> <li>• Secondary objective 2</li> <li>• Secondary objective 3</li> <li>• Secondary objective 4</li> <li>• Secondary objective 5</li> <li>• Secondary objective 6</li> </ul> |

## Section IV: Work and Budget Plan for the Grant Agreement Period

### Work and Budget Plan Summary

|                                                                                              |            |
|----------------------------------------------------------------------------------------------|------------|
| <b>A. COST Networking Tools</b>                                                              | EUR        |
| (1) Meetings                                                                                 | 103,210.06 |
| (2) Training Schools                                                                         | 0.00       |
| (3) Short Term Scientific Missions (STSM)                                                    | 10,000.00  |
| (4) COST Action Dissemination                                                                | 4,500.00   |
| (5) Other Expenses Related to Scientific Activities (OERSA)                                  | 26,949.05  |
| <b>B. Total Science Expenditure (sum of (1) to (5))</b>                                      | 144,659.11 |
| <b>C. Financial and Scientific Administration and Coordination (FSAC) (max. of 15% of B)</b> | 21,698.87  |
| <b>D. Total Expenditure (B+C)</b>                                                            | 166,357.98 |

## Meetings

### Overview

| Meeting Title              | Meeting Type                                                               | Dates                   | Location                | ITC   | Total Cost(EUR) |
|----------------------------|----------------------------------------------------------------------------|-------------------------|-------------------------|-------|-----------------|
| Meeting 1 (MCM2, WG)       | Working Group Meeting, Management Committee Meeting, Workshops/Conferences | 15/09/2015 - 16/09/2015 | Aveiro (Portugal)       | Yes   | 41,050.90       |
| WG2+4 Industry workshops   | Working Group Meeting, Workshops/Conferences                               | 17/11/2015 - 17/11/2015 | Utrecht (Netherlands)   | No    | 15,251.96       |
| Steering Committee Meeting | Core Group Meeting                                                         | 19/01/2016 - 19/01/2016 | Wädenswil (Switzerland) | No    | 4,193.40        |
| Meeting 2 (MCM3, WG)       | Working Group Meeting, Workshops/Conferences                               | 04/04/2016 - 05/04/2016 | Munich (Germany)        | No    | 42,713.80       |
|                            |                                                                            |                         |                         | Total | 103,210.06      |

### Details

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Meeting Type                         | Working Group Meeting, Management Committee Meeting, Workshops/Conferences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Title of the Meeting                 | Meeting 1 (MCM2, WG)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Grant Period Goal(s) it will address | State of the art and current scientific developments will be assessed so scientific research can take into account all the boundary conditions for implementation of the developments, Boundary conditions (social, technological, economical, ecological, political, market demand) for successful market introduction will be inventoried and assessed, A first evaluation will be made of the success rate regarding acceptance and implementation of the scientific developments to be able to direct further innovation.                                                                                                                                                                                                                                                                                                                                                                |
| Description                          | 15/9: Full day Plenary meeting with invited speakers on three topics (food, packaging, legislation) and presentations from participants to get to know each other. Getting acquainted can also be achieved via a 'speed dating dinner' in the evening // 16/9: 4h parallel WG meetings to define the WG Action Plans per WG, prepare the conference participation (meeting November), and to get acquainted. This session will be closed by short presentations of all WG leaders in a plenary session // 16/9: 2h MC meeting // Reason to pick these dates and location is the conference on food safety in Porto from 16-18 September 2015: <a href="https://porto2015.moniqa.org/home">https://porto2015.moniqa.org/home</a> . The Action can benefit from this by inviting speakers and participants for our own meeting and by this gaining input from the food and health safety side. |
| Output(s)                            | Definition of the work plan of the different WG activities will lead to an action plan per WG to organise a training school, prepare and submit (by end of GP1) a review paper, promote a workshop, and so on. These goals will have to be reached by the end of the first Action year. These WG Action Plans should be presented at the end of the first Grant Period, in order to set up the WBP for the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                             |                                                                                                                                                                                     |                                                         |                     |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------|
|                                             | second Grant Period. // Workshop and conference presentations and proceedings (in electronic format), preferably to be published on the Action public website and LinkedIn page. // |                                                         |                     |
| Location                                    | Aveiro (Portugal)                                                                                                                                                                   | ITC                                                     | Yes                 |
| Start Date                                  | 2015-09-15 09:00:00                                                                                                                                                                 | End Date                                                | 2015-09-16 16:00:00 |
| Duration                                    | 2 days                                                                                                                                                                              |                                                         |                     |
| Number of expected total participants       | 65                                                                                                                                                                                  | Number of participants to be reimbursed from COST funds | 49                  |
| Average reimbursement(per participant)(EUR) | 794.10                                                                                                                                                                              | Total Reimbursement costs (EUR)                         | 38,910.90           |
| Local Organiser Support (EUR)               | 2,140.00                                                                                                                                                                            |                                                         |                     |
| Total cost of the meeting (EUR)             | 41,050.90                                                                                                                                                                           |                                                         |                     |

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                           |                     |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------------|
| Meeting Type                         | Working Group Meeting,Workshops/Conferences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                           |                     |
| Title of the Meeting                 | WG2+4 Industry workshops                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                           |                     |
| Grant Period Goal(s) it will address | State of the art and current scientific developments will be assessed so scientific research can take into account all the boundary conditions for implementation of the developments,Boundary conditions (social, technological, economical, ecological, political, market demand) for successfull market introduction will be inventoried and assessed,A first evaluation will be made of the success rate regarding acceptance and implementation of the scientific developments to be able to direct further innovation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                           |                     |
| Description                          | Conference/Industrial workshop co-located with AIPIA conference in Utrecht, the Netherlands on 9 and 10 November: <a href="http://www.aip-worldcongress.org/aip_congress-meetings.php">http://www.aip-worldcongress.org/aip_congress-meetings.php</a> // FP1405 benefits from this cooperation as AIPIA attracts a lot of prominent industrial partners working on active and intelligent packaging. By organising our own session in the same venue and by combined communication we hope to attract industrial partners to our own session and to get their input. // The Action session will be an extra 1/2 day in AIPIA's program, which will be communicated by AIPIA in their conference communication. // Program: 10 November 15-17 Action participants will have the opportunity to attend the AIPIA fair (for free), from 17-19 will be the Action's session within AIPIA's program for which the industrial partners will be invited. On 11 November 9-13 will be the Action's WG2 working group session, with presentations of the WG participants and feedback of the September meeting where participants received tasks. |                           |                     |
| Output(s)                            | Conference presentations and proceedings (electronical), to be published on Action website and LinkedIn page // Network creation // Awareness creation amongst industry // A summary of the view of and input from industry //                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                           |                     |
| Location                             | Utrecht (Netherlands)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ITC                       | No                  |
| Start Date                           | 2015-11-17 09:00:00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | End Date                  | 2015-11-17 19:00:00 |
| Duration                             | 1 day                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                           |                     |
| Number of expected total             | 70                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Number of participants to | 22                  |

|                                             |           |                                 |           |
|---------------------------------------------|-----------|---------------------------------|-----------|
| participants                                |           | be reimbursed from COST funds   |           |
| Average reimbursement(per participant)(EUR) | 555.53    | Total Reimbursement costs (EUR) | 12,221.66 |
| Local Organiser Support (EUR)               | 3,030.30  |                                 |           |
| Total cost of the meeting (EUR)             | 15,251.96 |                                 |           |

|                                             |                                                                                                                                                                     |                                                         |                     |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------|
| Meeting Type                                | Core Group Meeting                                                                                                                                                  |                                                         |                     |
| Title of the Meeting                        | Steering Committee Meeting                                                                                                                                          |                                                         |                     |
| Grant Period Goal(s) it will address        | A first evaluation will be made of the success rate regarding acceptance and implementation of the scientific developments to be able to direct further innovation. |                                                         |                     |
| Description                                 | Direct communication between the Steering group members                                                                                                             |                                                         |                     |
| Output(s)                                   | Plan the GP2 WBP                                                                                                                                                    |                                                         |                     |
| Location                                    | Wädenswil (Switzerland)                                                                                                                                             | ITC                                                     | No                  |
| Start Date                                  | 2016-01-19 09:00:00                                                                                                                                                 | End Date                                                | 2016-01-19 16:00:00 |
| Duration                                    | 1 day                                                                                                                                                               |                                                         |                     |
| Number of expected total participants       | 11                                                                                                                                                                  | Number of participants to be reimbursed from COST funds | 10                  |
| Average reimbursement(per participant)(EUR) | 419.34                                                                                                                                                              | Total Reimbursement costs (EUR)                         | 4,193.40            |
| Local Organiser Support (EUR)               | 0.00                                                                                                                                                                |                                                         |                     |
| Total cost of the meeting (EUR)             | 4,193.40                                                                                                                                                            |                                                         |                     |

|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |  |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Meeting Type                         | Working Group Meeting,Workshops/Conferences                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |
| Title of the Meeting                 | Meeting 2 (MCM3, WG)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |
| Grant Period Goal(s) it will address | State of the art and current scientific developments will be assessed so scientific research can take into account all the boundary conditions for implementation of the developments,Boundary conditions (social, technological, economical, ecological, political, market demand) for successfull market introduction will be inventoried and assessed,A first evaluation will be made of the success rate regarding acceptance and implementation of the scientific developments to be able to direct further innovation. |  |  |
| Description                          | 12/4: Full day Plenary meeting with presentations from participants, including feedback from the workshops in november 2015, as well as STSM presentations, and invited students that present the results of their technical and market analysis (French student project for which the Action can give an assignment) // 13/4: 4h parallel WG meetings to work with the input from the                                                                                                                                       |  |  |

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                         |                     |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------|
|                                             | <p>november meetings, and to finalise the review papers, as well as the definition document (to define a.o. active and intelligent packaging, fibre-based packaging, and market). This session will be closed by short presentations of all WG leaders in a plenary session // 13/4: 2h MC meeting // Location and exact dates will be decided in MC meeting in September 2015 // Aim is to use budget as efficient as possible and to invite participants from each country and have at least 40-45 participants. If, based on the budget, there is not more space, then less people will be invited.</p> |                                                         |                     |
| Output(s)                                   | <p>WGs will deliver: review paper, definition documents (clarifying a.o. active and intelligent packaging, fibre-based, market), a proposal for a training school in GP2. // Workshop and conference presentations and proceedings (in electronic format), preferably to be published on the Action public website and LinkedIn page. // MC meeting will set goals for the second Action year, including a preliminary agenda for the second Grant Period.</p>                                                                                                                                             |                                                         |                     |
| Location                                    | Munich (Germany)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ITC                                                     | No                  |
| Start Date                                  | 2016-04-04 13:00:00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | End Date                                                | 2016-04-05 19:00:00 |
| Duration                                    | 2 days                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                         |                     |
| Number of expected total participants       | 55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Number of participants to be reimbursed from COST funds | 60                  |
| Average reimbursement(per participant)(EUR) | 675.23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Total Reimbursement costs (EUR)                         | 40,513.80           |
| Local Organiser Support (EUR)               | 2,200.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                         |                     |
| Total cost of the meeting (EUR)             | 42,713.80                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                         |                     |

### Short Term Scientific Missions (STSM)

| Number                               | Average cost per STSM(EUR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Total cost(EUR) |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 4                                    | 2,500.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 10,000.00       |
| Grant Period Goal(s) it will address | State of the art and current scientific developments will be assessed so scientific research can take into account all the boundary conditions for implementation of the developments, Boundary conditions (social, technological, economical, ecological, political, market demand) for successful market introduction will be inventoried and assessed, A first evaluation will be made of the success rate regarding acceptance and implementation of the scientific developments to be able to direct further innovation. |                 |
| Description                          | At least 4 STSMs should be executed by the end of GP1, preferably from science to industry or v.v. Contribution of experience in the analysis of state-of-the-art, boundary conditions, and most promising scientific developments // Initiation of collaboration between laboratories //                                                                                                                                                                                                                                     |                 |
| Output(s)                            | Reports on the STSM activities, preferably in the form of a presentation or video pod cast so that it can be presented during conferences/meetings and be published on the Action Public website and LinkedIn page or even other social media. //                                                                                                                                                                                                                                                                             |                 |

### COST Action Dissemination

| Title                                | Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Publisher/provider      | Expected date of Release | Cost(EUR) |
|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------|-----------|
| FP1405 Website                       | Action Website                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | University of Ljubljana | 18/12/2015               | 4,500.00  |
| Grant Period Goal(s) it will address | State of the art and current scientific developments will be assessed so scientific research can take into account all the boundary conditions for implementation of the developments, Boundary conditions (social, technological, economical, ecological, political, market demand) for successful market introduction will be inventoried and assessed, A first evaluation will be made of the success rate regarding acceptance and implementation of the scientific developments to be able to direct further innovation. |                         |                          |           |
| Description                          | Set up of Action website                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                         |                          |           |
| Output(s)                            | Action public website                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                         |                          |           |

|                      |          |
|----------------------|----------|
| Total Disseminations | 4,500.00 |
|----------------------|----------|

### Other Expenses Related to Scientific Activities (OERSA)

| Item                               | Cost(EUR) |
|------------------------------------|-----------|
| Meeting 4 Amendment - Extra Budget | 25,949.05 |



|            |          |
|------------|----------|
| Bank costs | 1,000.00 |
|------------|----------|



# WORKPLAN

## Annex A - Work And Budget plan - R I

### FP1405

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

Grant Period from 01/06/2015 to 30/04/2016

### Summary Budget

| Instrument                                                                 | Quant. | Budget                                     |
|----------------------------------------------------------------------------|--------|--------------------------------------------|
| Meetings                                                                   | 4      | 103210.06 EUR                              |
| Training Schools                                                           | 0      | 0.00 EUR                                   |
| Short Term Scientific Missions (STSM)                                      | 4      | 10000.00 EUR                               |
| COST Action Dissemination                                                  | 1      | 4500.00 EUR                                |
| Other Expenses Related to Scientific Activities (OERSA)                    | 2      | 26949.05 EUR                               |
|                                                                            |        | <b>SCIENCE EXPENDITURE : 144659.11 EUR</b> |
| Financial and Scientific Administration and Coordination (FSAC) - MAX. 15% | 15%    | 21698.87 EUR                               |
|                                                                            |        | <b>TOTAL EXPENDITURE : 166357.98 EUR</b>   |

Signature : \_\_\_\_\_

Date : \_\_\_\_\_



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Register of legal Entities Brussels: 0829090573

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office@cost.eu | www.cost.eu

## Indicative Information

### Details for Meetings

#### Meeting 1

|                                  |                                                                            |
|----------------------------------|----------------------------------------------------------------------------|
| <b>Type :</b>                    | Working Group Meeting, Management Committee Meeting, Workshops/Conferences |
| <b>Title :</b>                   | Meeting 1 (MCM2, WG)                                                       |
| <b>Location :</b>                | Aveiro (Portugal)                                                          |
| <b>Date :</b>                    | 15/09/2015 - 16/09/2015                                                    |
| <b>Total Participants :</b>      | 65                                                                         |
| <b>Total Reimbursed :</b>        | 49                                                                         |
| <b>Travel Costs :</b>            | 38910.90 EUR                                                               |
| <b>Local Organiser Support :</b> | 2140.00 EUR                                                                |

#### Meeting 2

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| <b>Type :</b>                    | Working Group Meeting, Workshops/Conferences |
| <b>Title :</b>                   | WG2+4 Industry workshops                     |
| <b>Location :</b>                | Utrecht (Netherlands)                        |
| <b>Date :</b>                    | 17/11/2015 - 17/11/2015                      |
| <b>Total Participants :</b>      | 70                                           |
| <b>Total Reimbursed :</b>        | 22                                           |
| <b>Travel Costs :</b>            | 12221.66 EUR                                 |
| <b>Local Organiser Support :</b> | 3030.30 EUR                                  |

#### Meeting 3

|                                  |                            |
|----------------------------------|----------------------------|
| <b>Type :</b>                    | Core Group Meeting         |
| <b>Title :</b>                   | Steering Committee Meeting |
| <b>Location :</b>                | Wädenswil (Switzerland)    |
| <b>Date :</b>                    | 19/01/2016 - 19/01/2016    |
| <b>Total Participants :</b>      | 11                         |
| <b>Total Reimbursed :</b>        | 10                         |
| <b>Travel Costs :</b>            | 4193.40 EUR                |
| <b>Local Organiser Support :</b> | 0.00 EUR                   |

#### Meeting 4

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| <b>Type :</b>                    | Working Group Meeting, Workshops/Conferences |
| <b>Title :</b>                   | Meeting 2 (MCM3, WG)                         |
| <b>Location :</b>                | Munich (Germany)                             |
| <b>Date :</b>                    | 04/04/2016 - 05/04/2016                      |
| <b>Total Participants :</b>      | 55                                           |
| <b>Total Reimbursed :</b>        | 60                                           |
| <b>Travel Costs :</b>            | 40513.80 EUR                                 |
| <b>Local Organiser Support :</b> | 2200.00 EUR                                  |

## Details for Training Schools

You have no Training Schools.

## Details for Short Term Scientific Missions (STSM)

### STSM Summary

|                                 |              |
|---------------------------------|--------------|
| <b>Number Of STSMs :</b>        | 4            |
| <b>Amount Per STSM :</b>        | 2500.00 EUR  |
| <b>Total Budget For STSMs :</b> | 10000.00 EUR |

## Details for COST Action Dissemination

### Item 1

|                                |                         |
|--------------------------------|-------------------------|
| <b>Title :</b>                 | FP1405 Website          |
| <b>Expected Release Date :</b> | 18/12/2015              |
| <b>Publisher Or Supplier :</b> | University of Ljubljana |
| <b>Type :</b>                  | Action Website          |
| <b>Amount :</b>                | 4500.00 EUR             |

## Details for Other Expenses Related to Scientific Activities (OERSA)

### Expense 1

|                 |                                    |
|-----------------|------------------------------------|
| <b>Title :</b>  | Meeting 4 Amendment - Extra Budget |
| <b>Amount :</b> | 25949.05 EUR                       |

### Expense 2

|                 |             |
|-----------------|-------------|
| <b>Title :</b>  | Bank costs  |
| <b>Amount :</b> | 1000.00 EUR |