

FOOD MICRO SYSTEMS

COORDINATOR

Actia (France)

PARTNERS

Estonia (Tartu Biotehnoloogia Park)

France (Actia [Actilait, Adiv, Aérial, LNE], CEA, Euroquality)

Germany (4M2C, Fraunhofer)

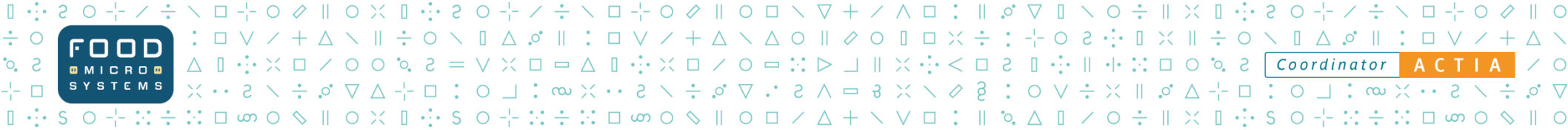
Netherlands (DLO, University of Wageningen)

Spain (CSIC)

Project ID

FoodMicroSystems

- ✓ Support Action (798 K€ EC contribution)
- ✓ September 2011 to August 2013
- ✓ Coordination: ACTIA (France)
- ✓ 9 partners
- ✓ Objective → initiate the implementation of microsystems in food and drink sector
- ✓ Main results → 3 roadmaps



www.foodmicrosystems.eu



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What is FoodMicroSystems?

FoodMicroSystems objective is to initiate the implementation of microsystems & smart miniaturised systems in the food sector by improving cooperation between suppliers and users of microsystems for food/beverage quality and safety.

[Read more](#)



FoodMicroSystems ambition is to initiate the implementation of microsystems & smart miniaturized systems in the food sector



[Get in touch](#)



Funding opportunities

List of funding opportunities in the area of smart systems research and innovation.



Document library

Selection of key documents relevant to smart (micro) systems and the food sector



Directory

Information on key research groups in microsystems that address food-related topics.

FoodMicroSystems: a FP7 project

Foodmicrosystems.eu project is supported by the European Union's Seventh Framework Programme [FP7/2007-2013] under grant agreement n° 287634

Overview

Challenge

Unite two remote areas

- ✓ Food stakeholders (food industry, retailing industry, research and technological centres)
- ✓ Micro systems stakeholders (research and industry).

How?

Promote cooperation between the two communities

13 meetings

Results?

Emergence of new applications (= industrial applications of microsystems and smart miniaturised systems in food and drink sector).

Scope

Food

Food chains: meat, dairy products, fruits & vegetables, wine & beer

Microsystems

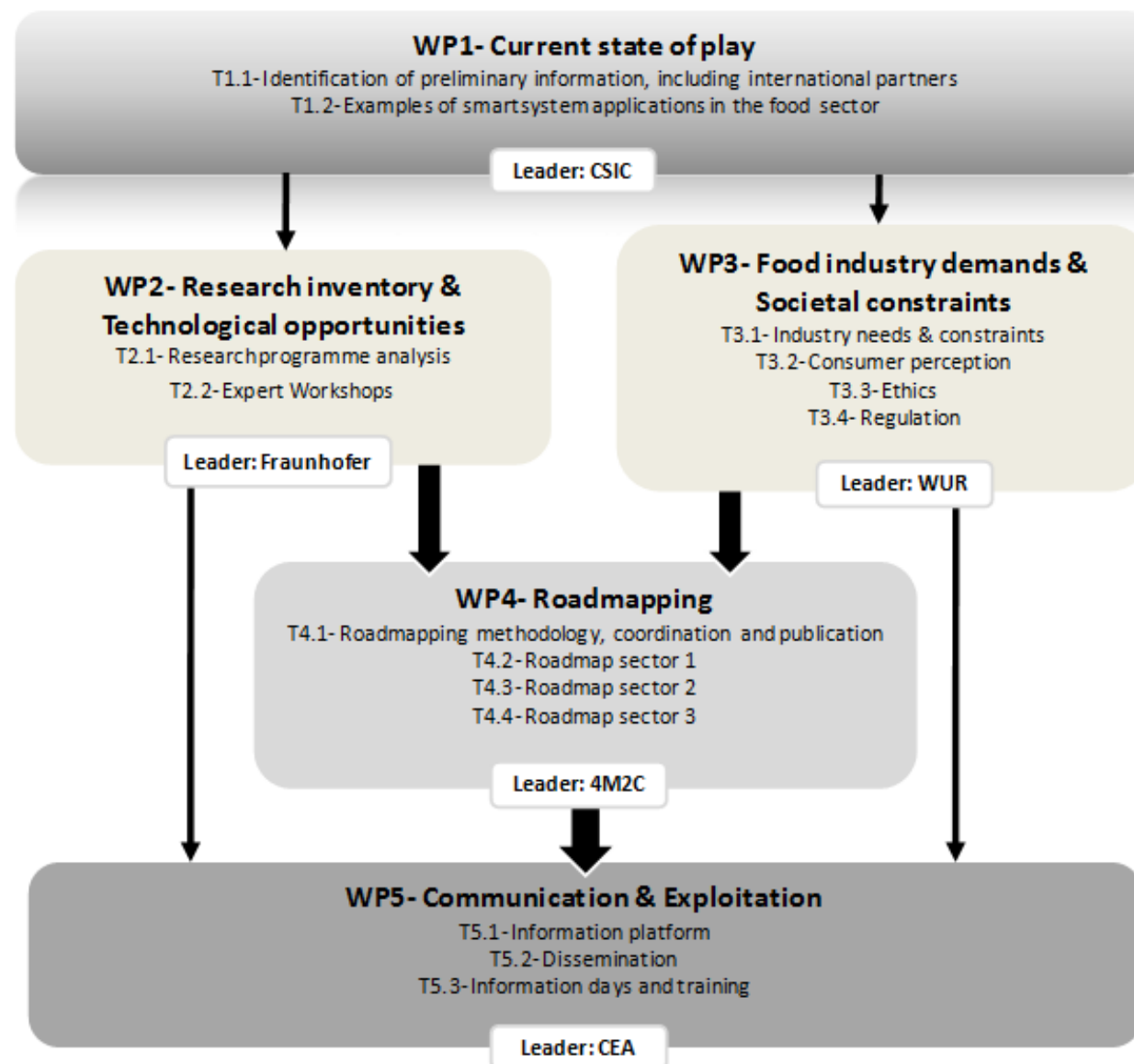
Systems that provide information on food products or change the properties of food products and involve components built using micro and nanotechnologies.

- ✓ It focuses on material / device / equipment developments that could be regarded as an ICT contribution to food applications
- ✓ We do not cover ingredients or additives in the food area

Main results

- ✓ 1 report describing the potential offered by research in microsystems to the food sector
- ✓ 5 reports describing the needs and the constraints for implementing MST
 - Meat sector
 - Dairy
 - Beer & wine,
 - Fruits & vegetables
 - Packaging
- ✓ 3 roadmaps (2 workshops per roadmap)
- ✓ 4 events for the food industry, 3 for microsystems researchers

Approach



Partners



ACTIA

Christophe
Cotillon

4M2C

Patric
Salomon



ACTIA/ADIV

Matthieu Alric



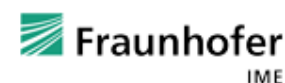
CEA

Elisabeth
Delevoye



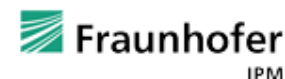
ACTIA/ACTILAIT

Stéphane
Gavoye



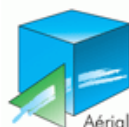
Fraunhofer

Mark
Bücking



Fraunhofer

Juergen
Woellenstein



ACTIA/AERIAL

Dalal Werner



TBP

Mariann
Nölvak



ACTIA/LNE

Catherine
Sauvageot
Loriot



DLO

Frans
Kampers



Euroquality
SARL

Olivier
Chartier



WUR

Arnout
Fischer



CSIC (CNM)

Carles Cane

After 8 months

- **State of play**

Research teams, programs and projects identified

- **MST potential and technological opportunities**

1 workshop on MST potential on 16 May in Freiburg (Germany)

- **Food industry demands and societal constraints**

Identification of potential applications with strong implication of industry (interviews & workshops)

What do we offer?

Knowledge on the food sector

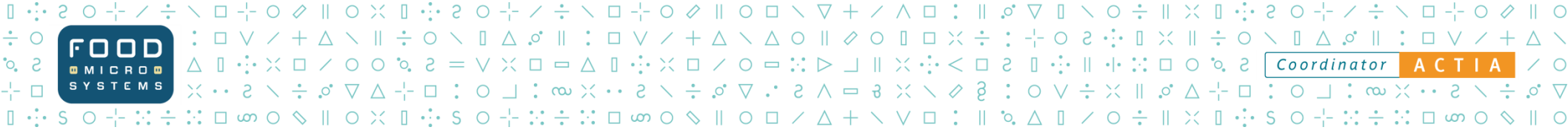
- ✓ Read our reports
- ✓ Register at foodmicrosystems.eu

Possibility to influence future research agendas

- ✓ Join our meetings
- ✓ Comment our reports

Networking with others

- ✓ Join our meetings
- ✓ Register on our website



Conclusion: how to participate?

Register in our directory

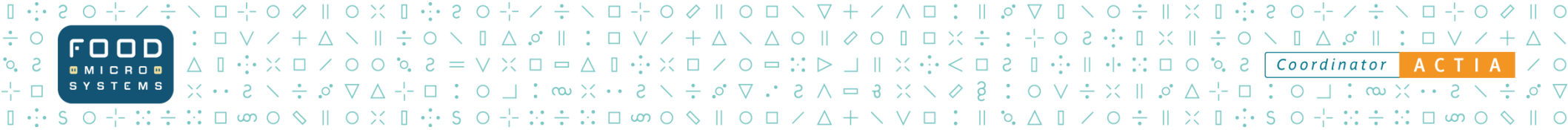
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Join our events

6 roadmaps workshop (Sept 2012 to June 2013)

+ 3 training on food for MST researchers

+ 4 info days on MST for food scientists



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The food sector

With more than 300.000 companies and an annual turnover of 930 billion euro, the food sector represents an important market for smart systems applications. The project will provide a comprehensive review of the needs and constraints for implementing micro systems

[Read more](#)



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[Get in touch](#)

Thank you for your attention !