EPoSS
European Technology Platform on Smart Systems Integration

R&D Collaboration on Food

Brussels, 19 January 2012

Reminder about Smart Systems

EPoSS
European Technology Platform on Smart Systems Integration

Analysis, **description** and **Qualification** of a particular situation

Mutual **Identification, Network, Autonomy, Reliability, Predictivity**

Smart Systems

Support for **decision making**

Flexible & portable Electronics

Improved Medical Diagnostic and Monitoring

Electronics for Transport & Environment

Communication & Logistics

EPoSS in Brief

ETP on **Smart Systems Integration**, an industry-driven policy initiative with 80 organisations and more than 450 individual members to:

- Promote research leading to innovative marketable products
- Provide roadmaps, Strategic Research Agenda
- Define research and technology priorities for FP7 and Horizon 2020
- Address all areas of economic and societal relevance

Global objectives

- Promote the European Smart Systems Community
- Provide support EPoSS members during the proposal process
- Define Research and innovation needs
- Strengthen competitiveness of European industry, esp. SMEs

Individual objectives

Safety & Security, System Integration, Sustainability, SME Involvement

- Manufacturing & Robotics
- Automotive & Future Mobility
- Communications for Smart Devices
- Haelthy Living
- Applied MNBS
- Key Technologies

EPoSS R&D Priorities

EPoSS priorities are mainly focused on the „Hardware“ side of ICT.
These priorities are compatible with numerous fields of application thereof the Food sector.

1. **Smart miniaturised devices with advanced functionalities and performance**
2. **Autonomously operating, power efficient and networked smart devices**
3. **Robust systems, compatible and adaptive to environment and lifetime requirements**

Interaction fields with the food sector

Smart Systems offer new/improved, more efficient functionaltities, solutions and services for the food sector with these:

- Diagnostics and imaging tools (non-invasive testing)
- Network of sensors (low consumption, miniaturised, reliable, wireless)
- Sensors (artificial olfaction, chemical & physical detection, smart materials)
- Intelligent tags & readers (secure identification, standardisation)
- Flexible, integrated electronics
- Miniaturised systems for portable application

Objectives

Functions

3. Technologies

Meeting opportunities

EPoSS
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March | April | May | June | September

Smart Systems Integration
Conference
21-22 March in Zurich

EUREKA Conference
2-3 April in Budapest

MNBS Cluster Meeting
3-4 May in Athens

EURIPIDES Annual Forum
13-15 June in Graz

EPoSS Annual Forum
27-28 September in Paris

+ Joint Proposers‘ Day ICT solutions for the Food sector ?

Collaboration

- The newly established EPoSS Working Group on **applied MNBS** aims at promoting and integrating Smart Systems in the fields of Life sciences and biotechnology, environmental and **food technology**.

- For a meaningful and relevant impact, the group should take into consideration **end-users needs and expectations** while drafting a roadmap.
  - Be part of the process!!

- Successful collaborations go through face-to-face contacts, a joint event with players from the Food Sector and from the Smart Systems side is necessary

Joining forces

The Smart Systems Community in Europe is well connected and eager to join forces to the benefit of innovative applications …

… and to provide support and funding all along the value chain …

Thank you!

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