The European Sensor Systems Cluster (ESSC)

European Sensor Systems Cluster - *ESSC*

Cluster launched at Preparatory Workshop on 27 November 2014 in Brussels

sponsored and observed by EC DG Research and Innovation

Vision, Objectives and Call for Participation

Andreas Schütze on behalf of

Michele Penza - Chairman of the ESSC

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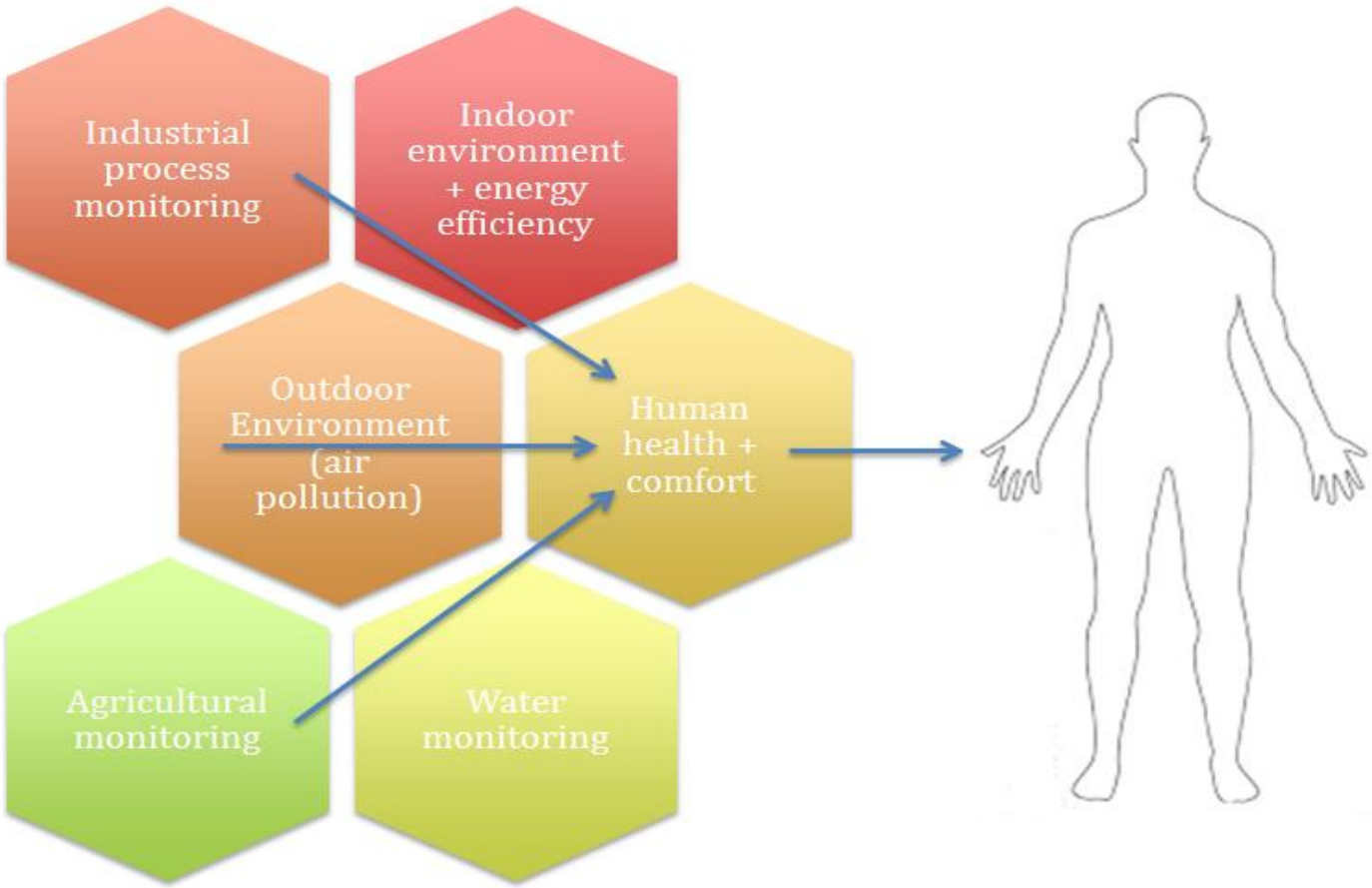
ENEA, Materials Technologies, Brindisi - Italy

VISION OF ESSC (1/2)

ESSC Key Areas:

- Environmental Sustainability
- Energy Efficiency
- Health Monitoring
- Comfort
- Industrial Applications



VISION OF ESSC (2/2)

- The **European Sensor System Cluster (ESSC)** will identify the technical or non-technical challenges of (bio)chemical sensing and highlight opportunities resulting from **nanotechnology**, **microsystems integration**, **advanced data evaluation**, their **manufacturing**, **commercialization** and **systemic integration**.

- **ESSC** will mobilize a *pan-European network*, ready to advise, assist and execute the national or international measures leading to **strengthened position of European Research and Innovation** in the field **(bio)chemical sensing** (e.g. analysis, measures proposition, evaluation, reviews).

OBJECTIVES OF ESSC

The ESSC is committed to execute objectives, which are defined as follows:

1. Maximize the **cooperation between projects** (avoid duplicating work and improve efficiency)
2. Identify **common interests in on-going research and development** (e.g. open calls, training)
3. Provide a **forum** for discussion, problem solving and analytical planning R&D activities in Europe
4. Establish the **EU-wide meeting platform** for researchers and mainly for involved industries and end-users
5. **Remove commercialization barriers** to ensure the EU leadership in Sensor Technologies
6. **Integrate inputs** and Recommendations from other existing clusters or groups
7. Promote the **connection with external bodies** (EC-RTD, Connect, standardization and regulatory bodies, journals and scientific boards, advisory boards)
8. Disseminate the **sensor-related issues/findings** to informed public (e.g. stimulate awareness for the invisible environmental problems and support *citizen science*)

GOVERNANCE: Steering Committee of ESSC

- **Chairman of ESSC:** **Michele Penza, ENEA, Italy**
- **Coach of ESSC:** **Rudolf Frycek, Amires, Switzerland**
- **EC Observer:** **Hans Hartmann Pedersen** *(EC Officer),* **DG R&I, Belgium**

Environmental Sensors	• D. Diamond
Indoor Air Quality	• A. Schütze (O. Martimort)
Health Monitoring and Comfort Sensors	• P. Galvin (A. Prina Mello)
Monitoring of Industrial Processes	• T. Mayr
Sensor Integration and Commercialization	• O. Martimort
Dissemination and Outreach	• T. Simmons (Eurice)

KICK-OFF MEETING ESSC

The European Sensor-Systems Cluster (ESSC)

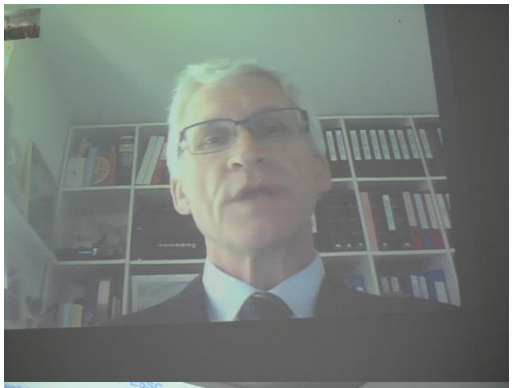
KICK-OFF MEETING ESSC

Tuesday 19 May 2015 - Session time: 12.00 - 13.30

Nuremberg Convention Center, NCC West - Room Tunis

SENSOR+TEST Trade Fair - AMA Conference 2015

Nuremberg (Germany), 19 - 21 May 2015



www.cluster-essc.eu

ESSC

The European Sensor Systems Cluster

40+ Participants

ESSC CONTACT PERSONS:

- **Chairman of the ESSC: Dr. Michele Penza (ENEA, Brindisi, Italy) - michele.penza@enea.it**
- **Coach of the ESSC: Dr. Rudolf Frycek (Amires, Neuchatel, Switzerland) - frycek@amires.eu**
- **EC Observer of ESSC: Dr. Hans Hartmann Pedersen (DG R&I) - hans-hartmann.pedersen@ec.europa.eu**

REGISTER as ESSC MEMBER at:

www.cluster-essc.eu

European Commission - DG Research & Innovation
Directorate Key Enabling Technologies
Unit Advanced Materials and Nanotechnologies