



COST

European Network on New Sensing Technologies for Air
Pollution Control and Environmental Sustainability - *EuNetAir*

COST Action TD1105

WGs and MC Meeting at Rome, 4-6 December 2012

Action Start date: 01/07/2012 - Action End date: 30/06/2016

Year: 2012-2013 (*Starting Action*)



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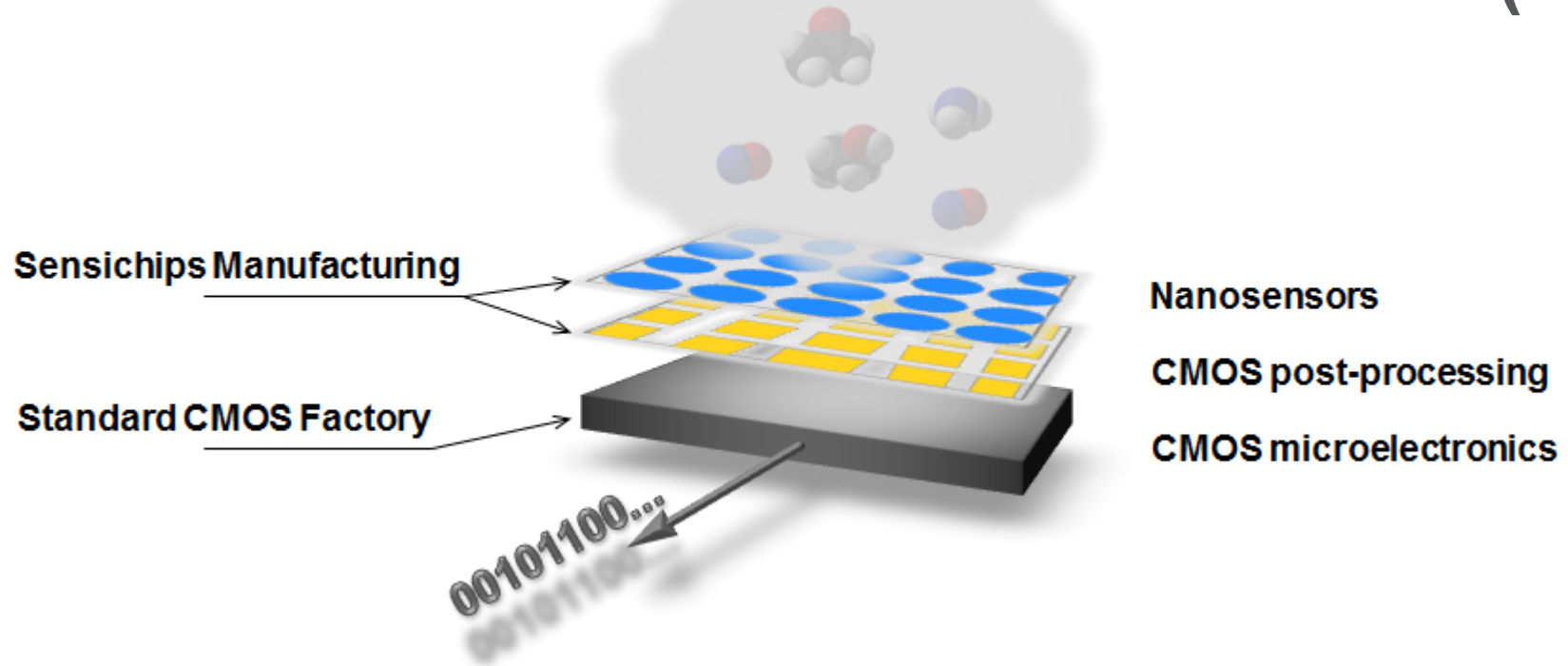
Function in the Action: WG4 member, SIG1 member
Sensichips / Italy



Scientific context and objectives in the Action

- COST Action interest related to Chemical and Radiation Environmental monitoring for safety and security applications
- Nanosensors technologies, manufacturing processes
- Involved in:
 - **WG4** Protocols and Standardization Methods
 - **SIG1** Network of Spin-offs

Current research activities of the Partner (1/2)



- High precision, transistor level design of mixed signal microelectronics
- Post-processing of nanosensors on CMOS manufacturing

Research Facilities available for the Partner (2/2)

- Offices with 11 eft engineers, researchers, contractors
- 5 Workstations with Cadence, Synopsys, Allegro CAD/CAE
- Potentiostat, Impedance Spectroscope, misc Electrochemical, Logic Analyzer, I/O rotocol Generator/Analyzer, Oscilloscopes

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Suggested **Priorities** for future research

- Stability improvement of available nanosensors
- Nanosensors aimed at compatibility with CMOS microelectronics
- Development of soft CMOS post-processing methods for reproducible, high throughput manufacturing of nanosensors on microelectronics