



LE INTERGRAPH SMART™ SOLUTIONS E I PROCESSI DOWNSTREAM: E.G.: SISTEMA INTEGRATO PER LA GESTIONE MULTIRISCHIO

INFORMATION MANAGEMENT & PROJECT GOVERNANCE

FONDAZIONE MEDIATERRANEO

Via Portobello, 14 - Sestri Levante (GE), Apr. 10th 11th 2014

Maurizio M. GRANATA & Angelo ZAIA



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What's
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Multi-risks
Management

Q&A

The World
around INGR
Smart™



Progetto
SIGMA

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What's
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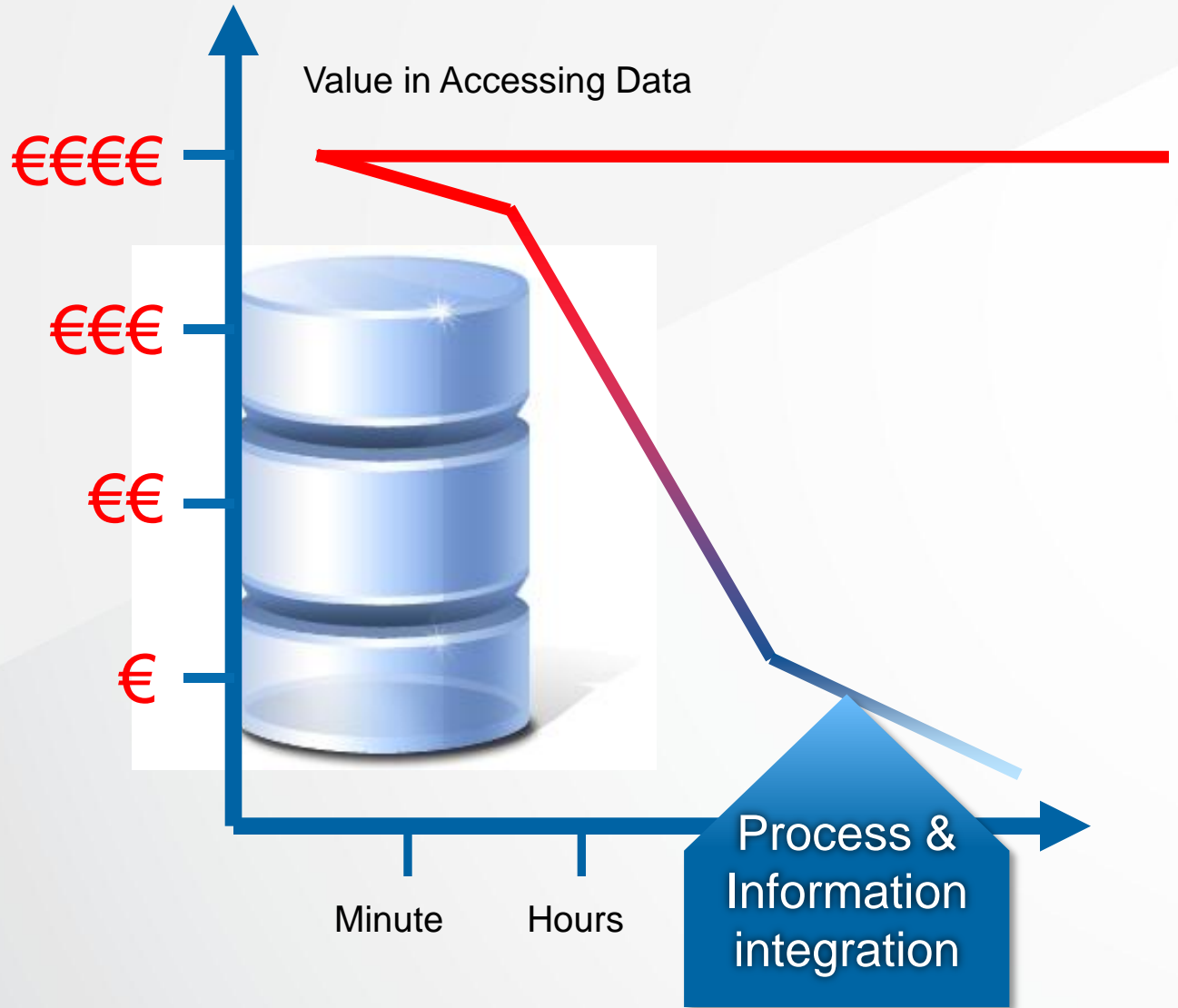
The World
around INGR
Smart™

Multi-risks
Management

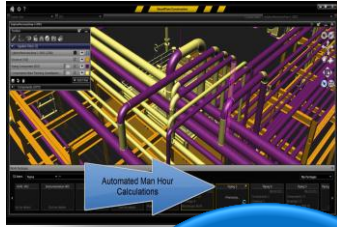
Progetto
SIGMA

Q&A

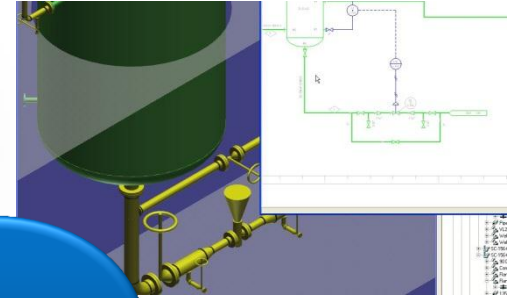
Information Value



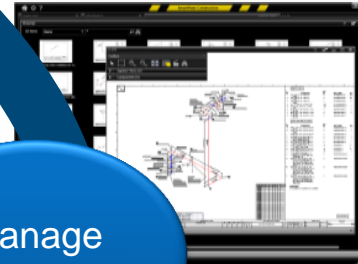
Intergraph Smart™ Technology



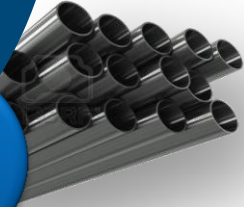
Work Sharing



Object Correlation



Manage Changes



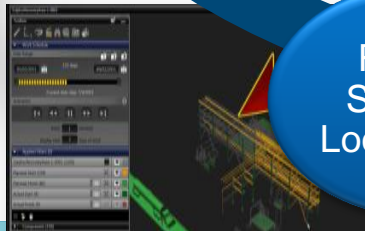
Materials & Execution

Specify Check Assess

| Mechanical Completion Checklist | | | | EOSA Electrical - Control & Relay Panel | | INTERGRAPH |
|---|--|-------------|------|---|---------|------------|
| Check No. | Tag Description | Contr. Area | Unit | CWP | Page: 1 | |
| P14F00E001A | System, Notifications, Safety Description | | | | | |
| OK | PR | N/A | | | | |
| Description of Check / Action to be made: | | | | | | |
| 1 | Non-plate labels correct in accordance with the data sheet | | | | | |
| 2 | Clean and free from external damage | | | | | |
| 3 | Equipment, fittings and mountings correct | | | | | |
| 4 | Parting to project specification and arrangement complete | | | | | |
| 5 | Equipment carries correct circuit identification | | | | | |
| 6 | Loose wires correctly plugged | | | | | |
| 7 | Labels and seals fitted correctly and undamaged | | | | | |
| 8 | Mechanical covers all fully correct, none missing | | | | | |
| 9 | Internal clean, dry, free from damage, packing and preservations removed | | | | | |



Capture Real Assets



Review Simulate Look Ahead

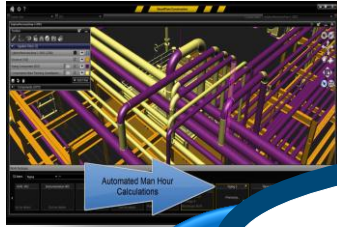
Retrieve & Operate



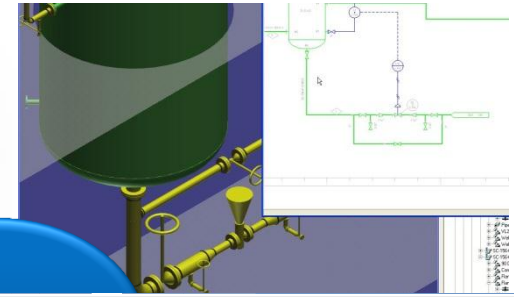
Automation



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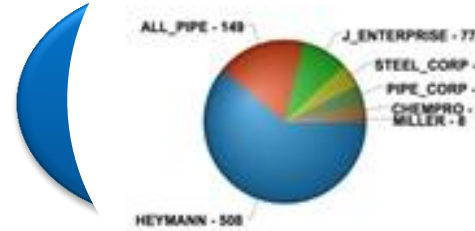
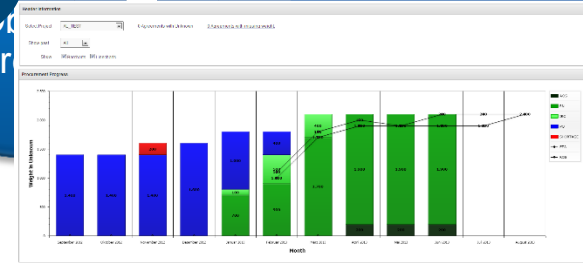


Automated

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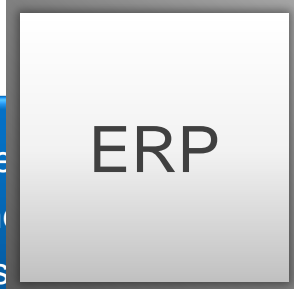
Capture
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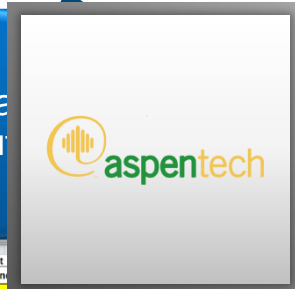
review
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Ahe



Spe
Che
Ass



Material
Secu



| Item | Unit | CWP | Status |
|---|------|-----|--------|
| Alignment, fittings and mountings correct | | | |
| Earthing to project specification and arrangement complete | | | |
| Equipment carries correct circuit identification | | | |
| Isolator entries correctly plugged | | | |
| Isolators and locks fitted correctly and undamaged | | | |
| Hardware covers all bolts correct, none missing | | | |
| Internal clean, dry, free from damage, packing and obstructions removed | | | |

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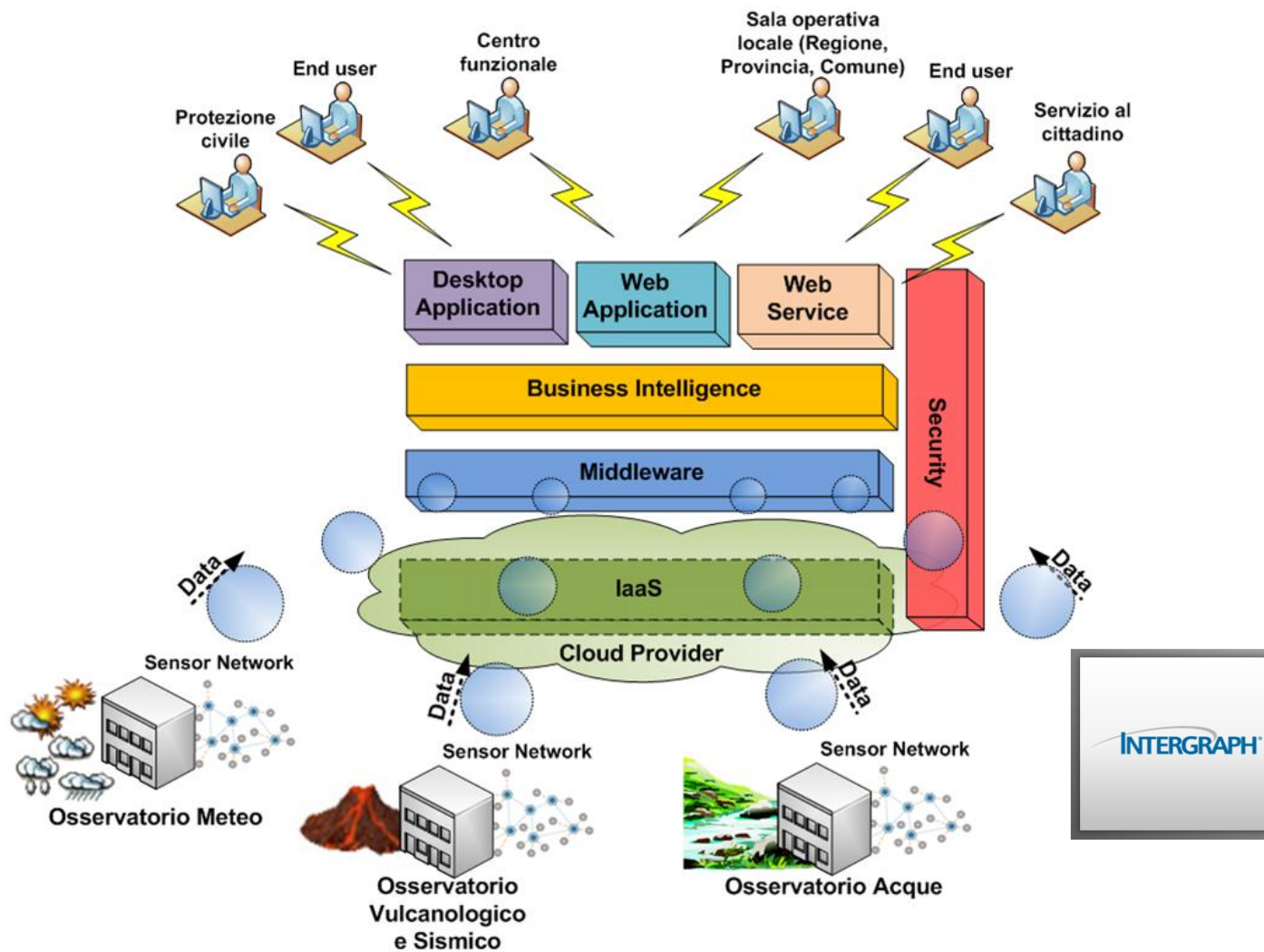
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Scenario



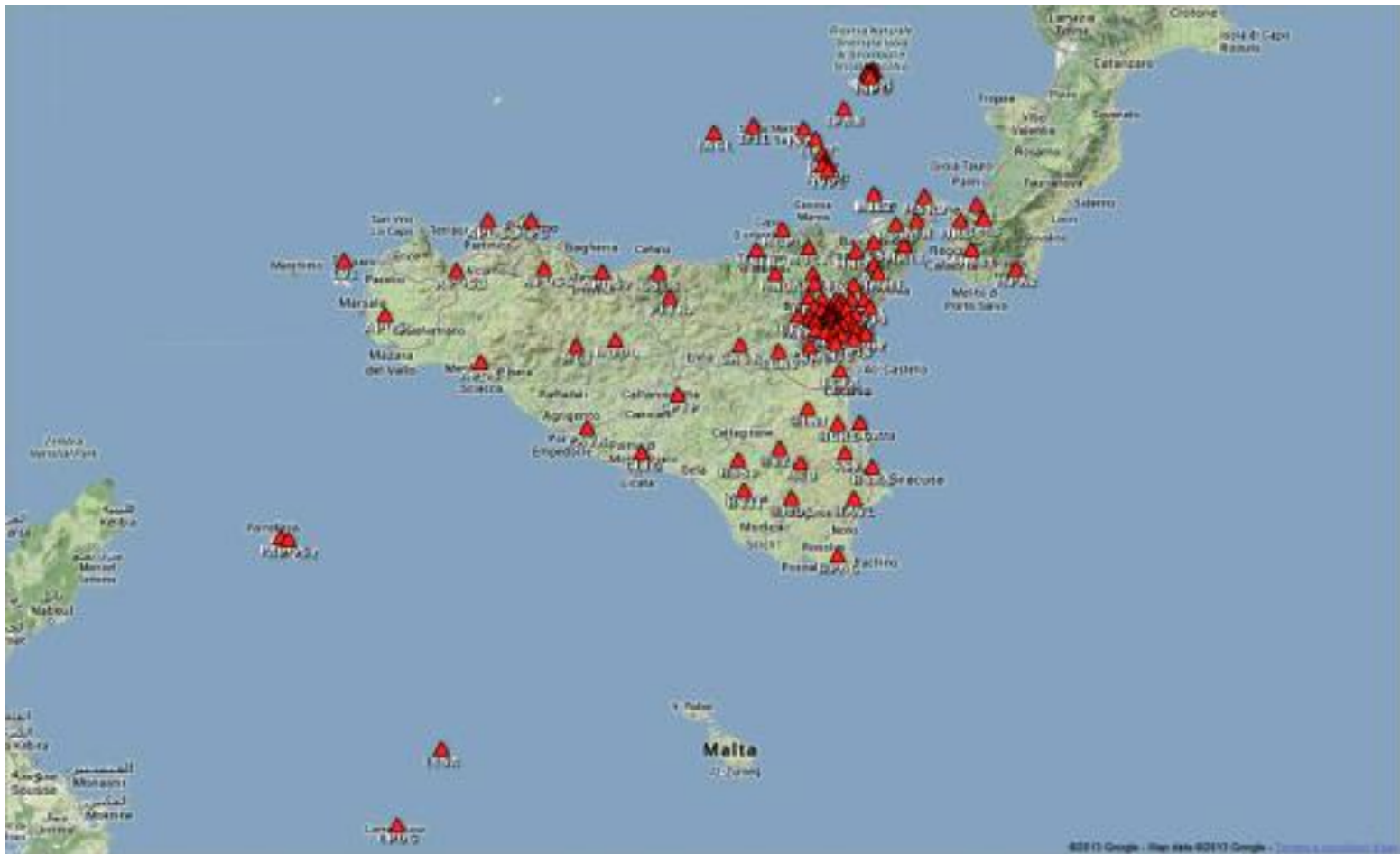
Partecipanti

- STMicroelectronics
- Insirio
- Istituto Nazionale di Geofisica e Vulcanologia
- Censis
- CNR
- Numerose Università Italiane
- Numerosi Centri di Ricerca

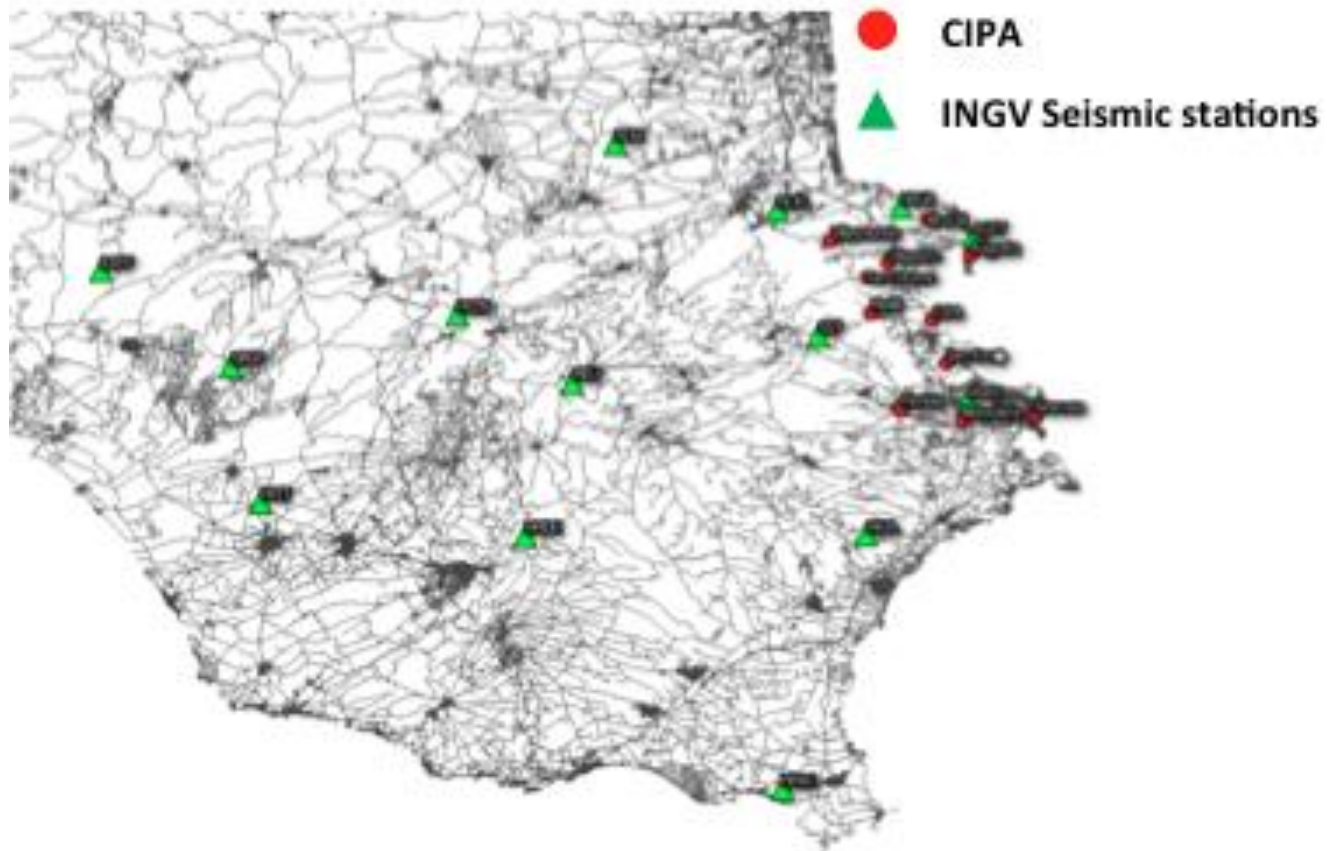
Attori coinvolti



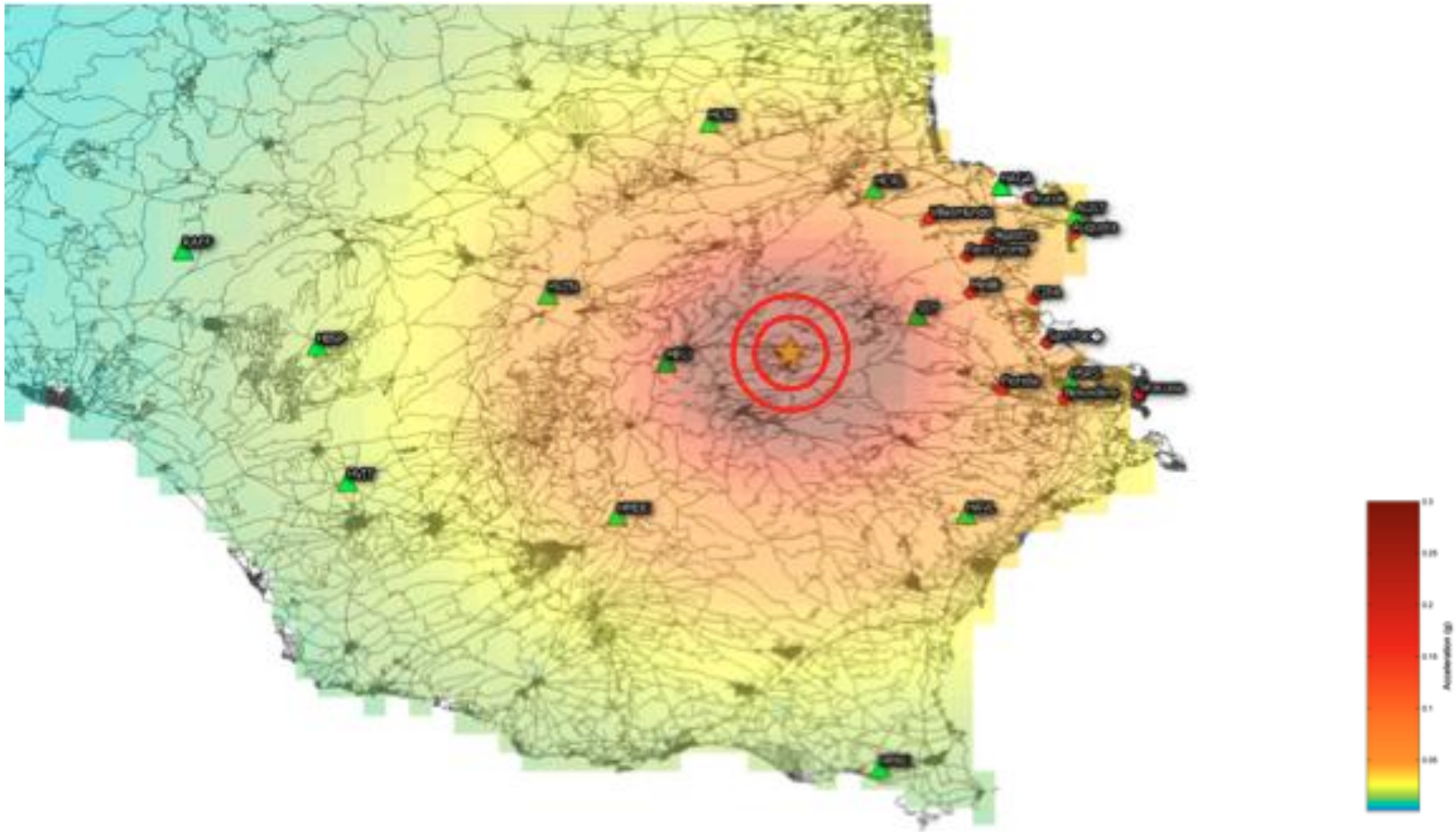
Copertura Sensor Network



Impatto evento sismico su area industriale



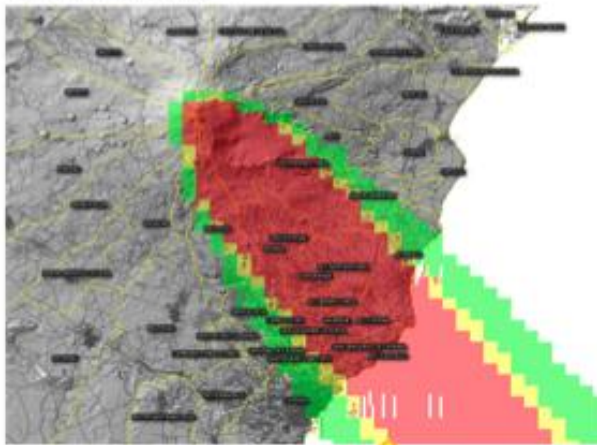
Impatto evento sismico su area industriale



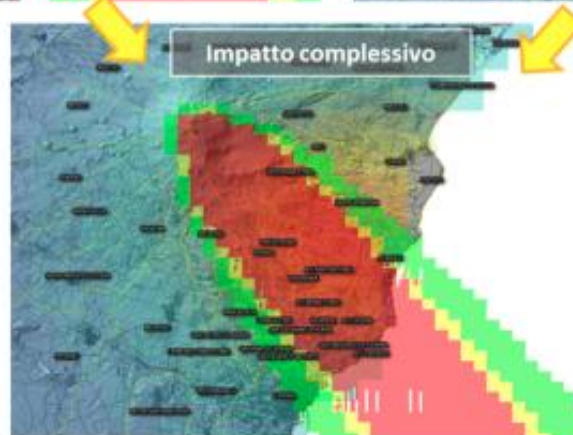
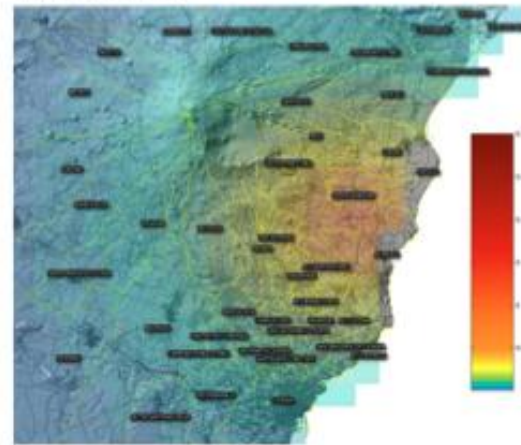
Multirischio

Evento sismico – Attività vulcanica

Attività vulcanica

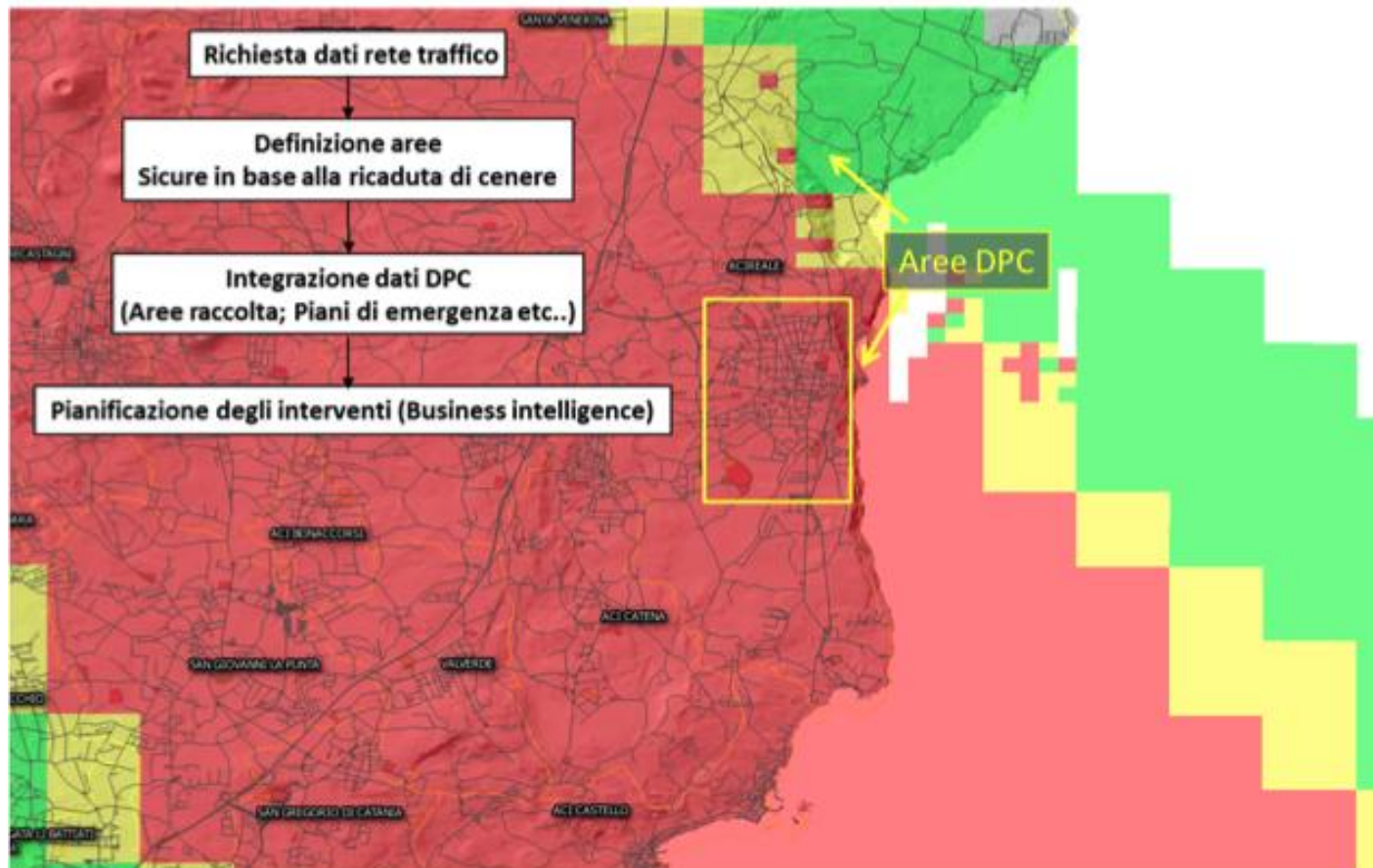


Evento sismico

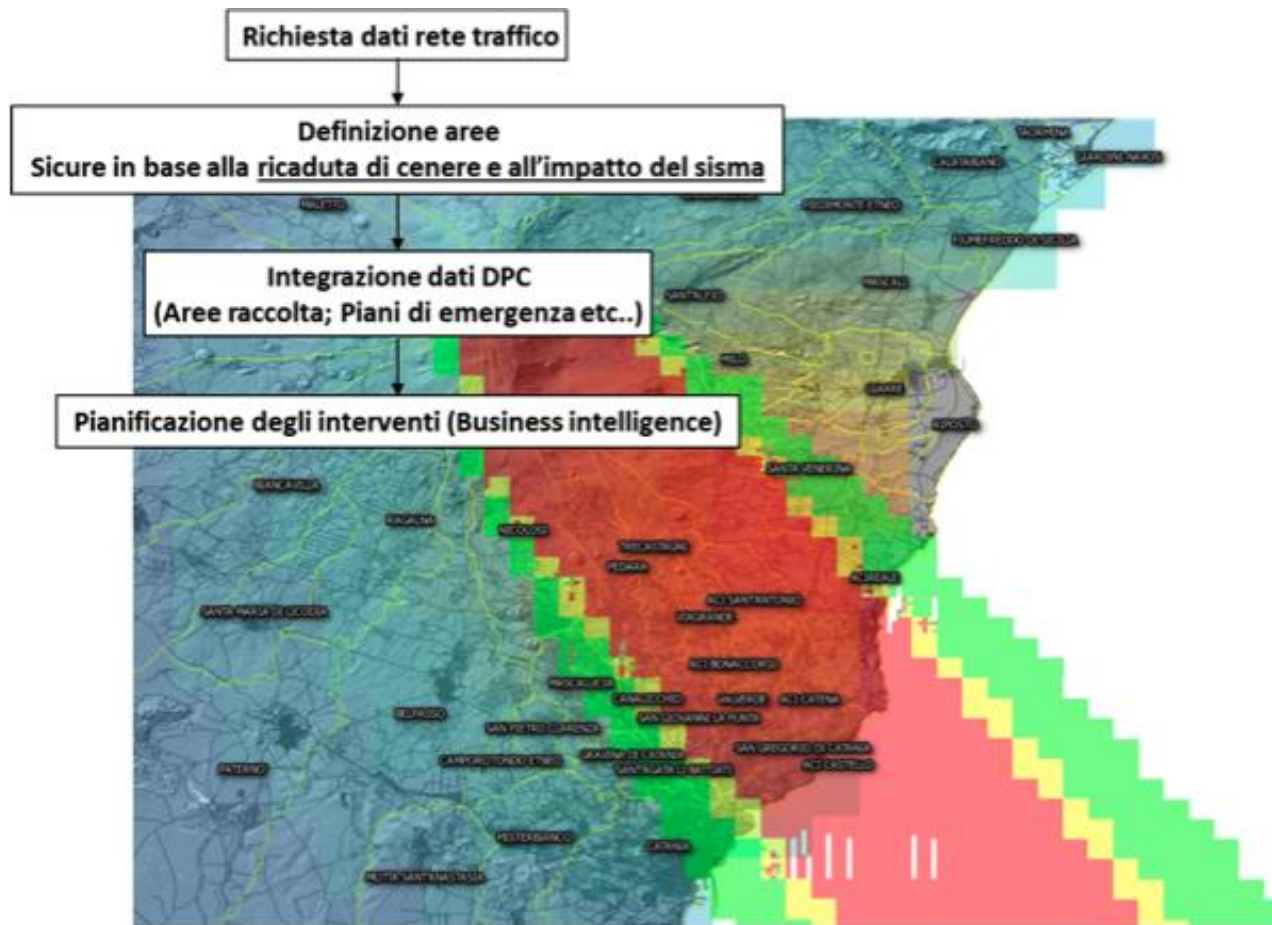


Multirischio

Attività vulcanica



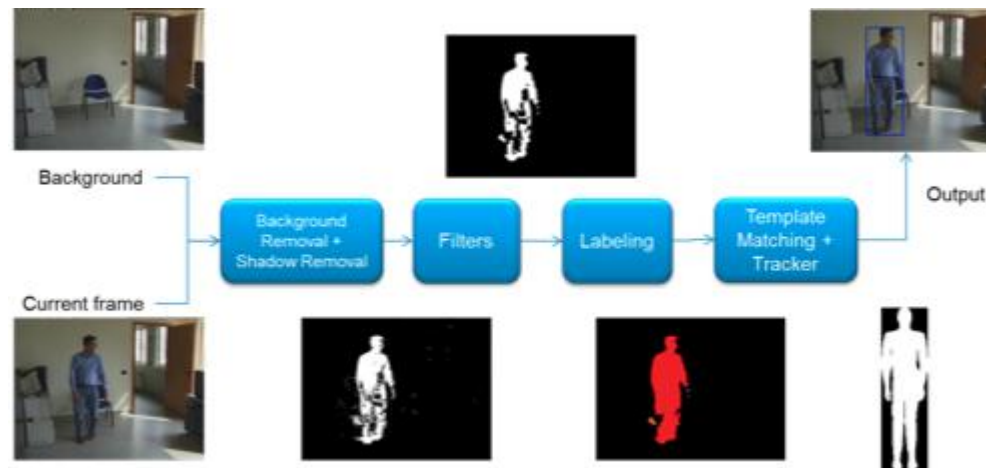
Multirischio



Smart Sensors



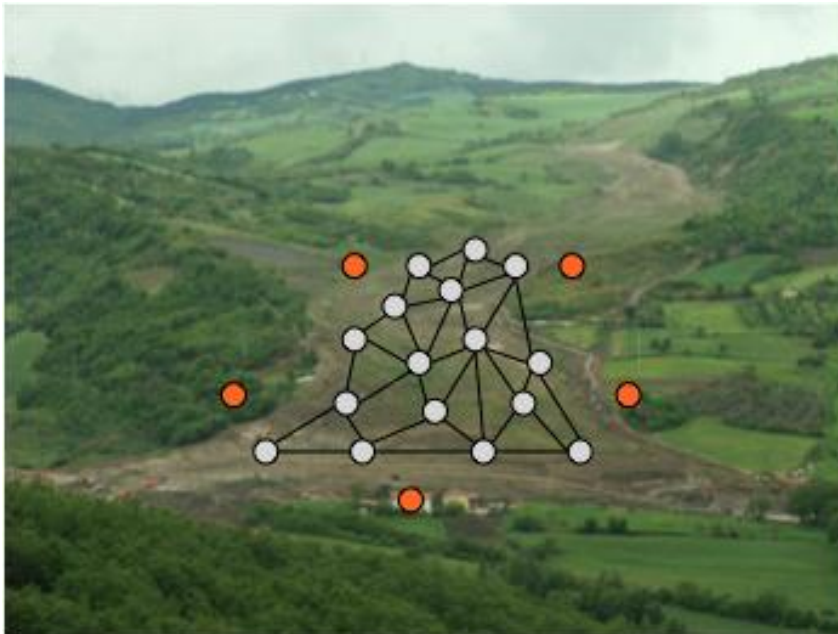
Smart Sensors



Smart Sensors

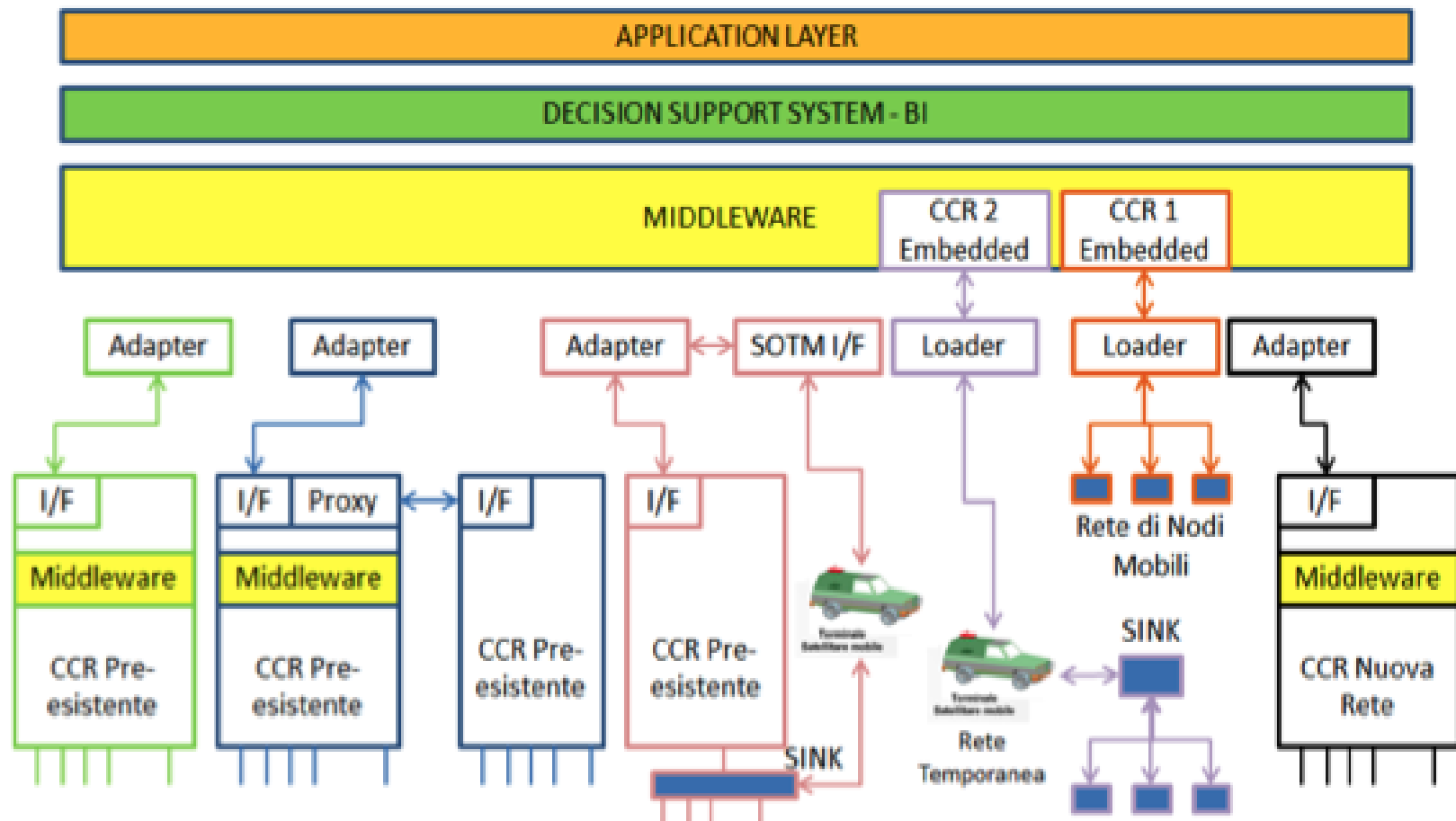


Smart Sensors

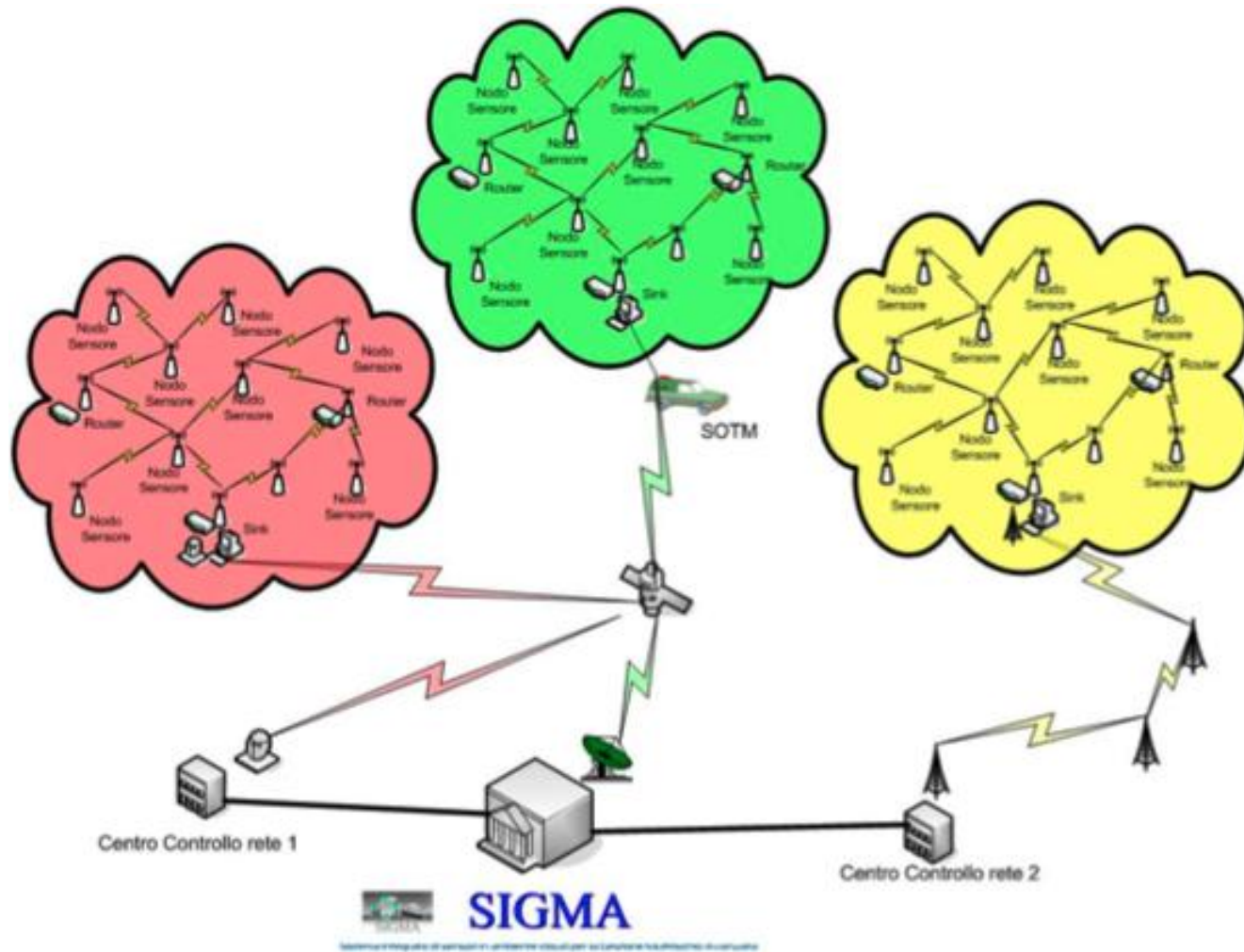


Piattaforma SIGMA

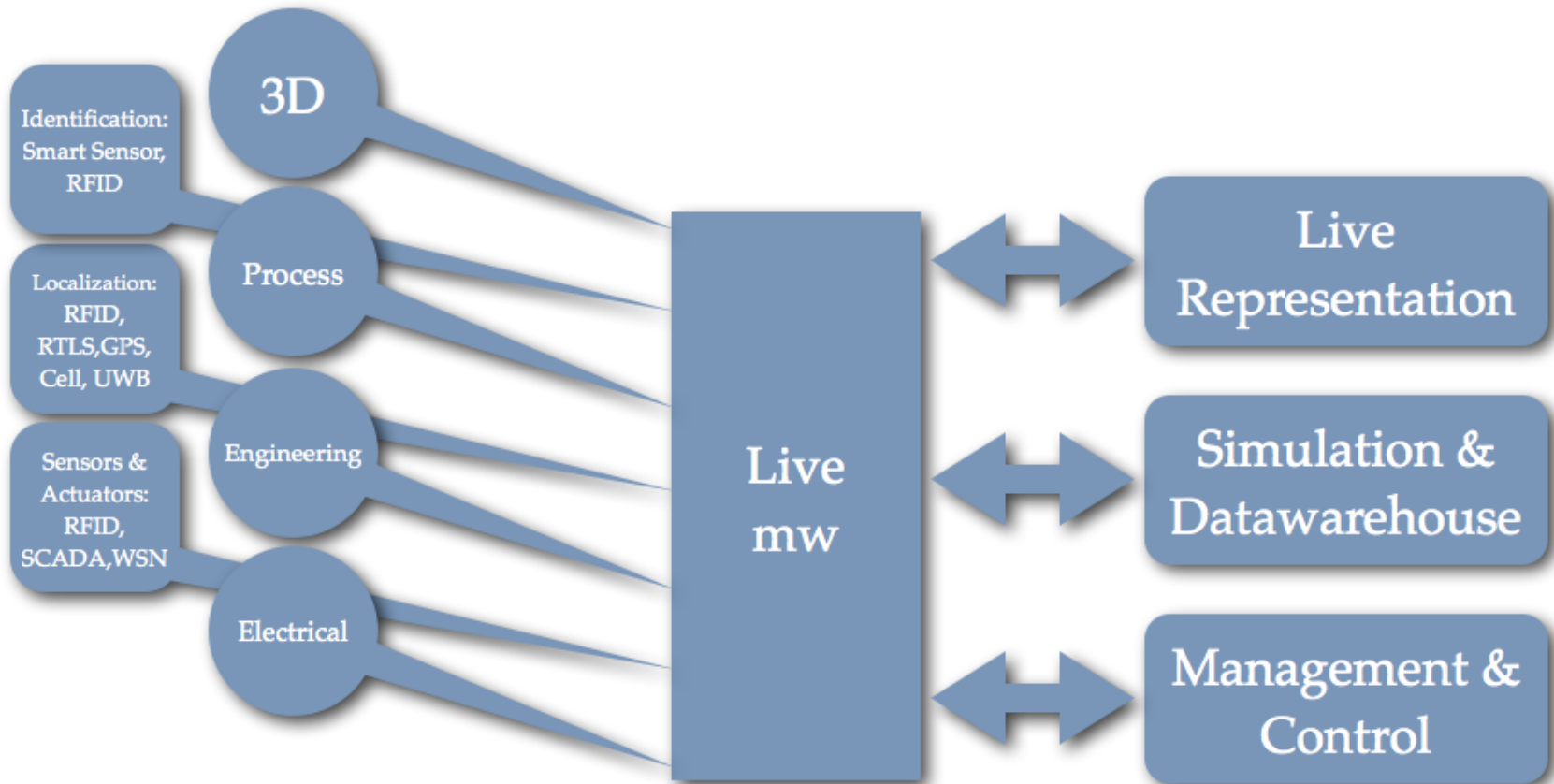
PIATTAFORMA SIGMA



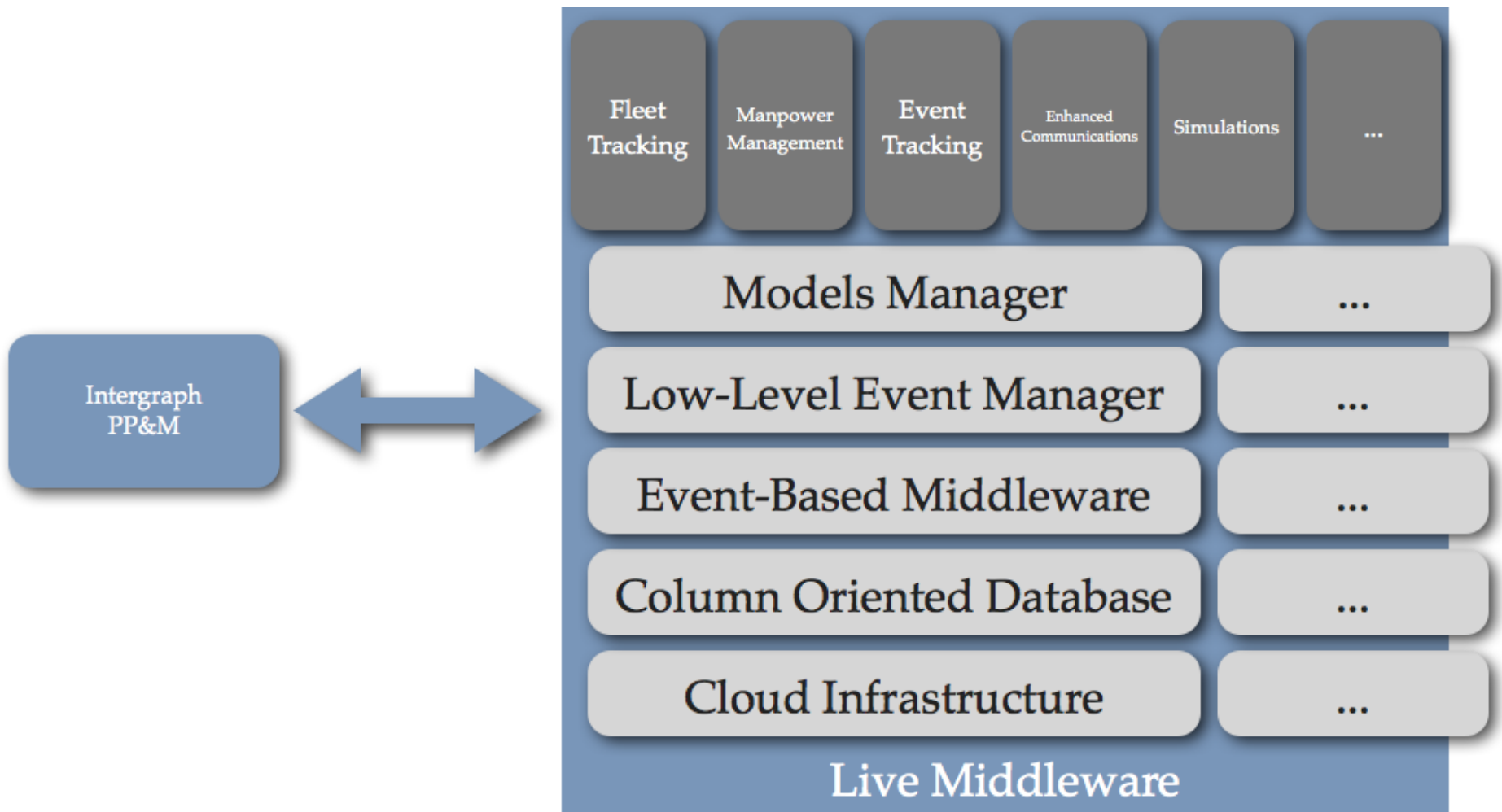
Piattaforma SIGMA



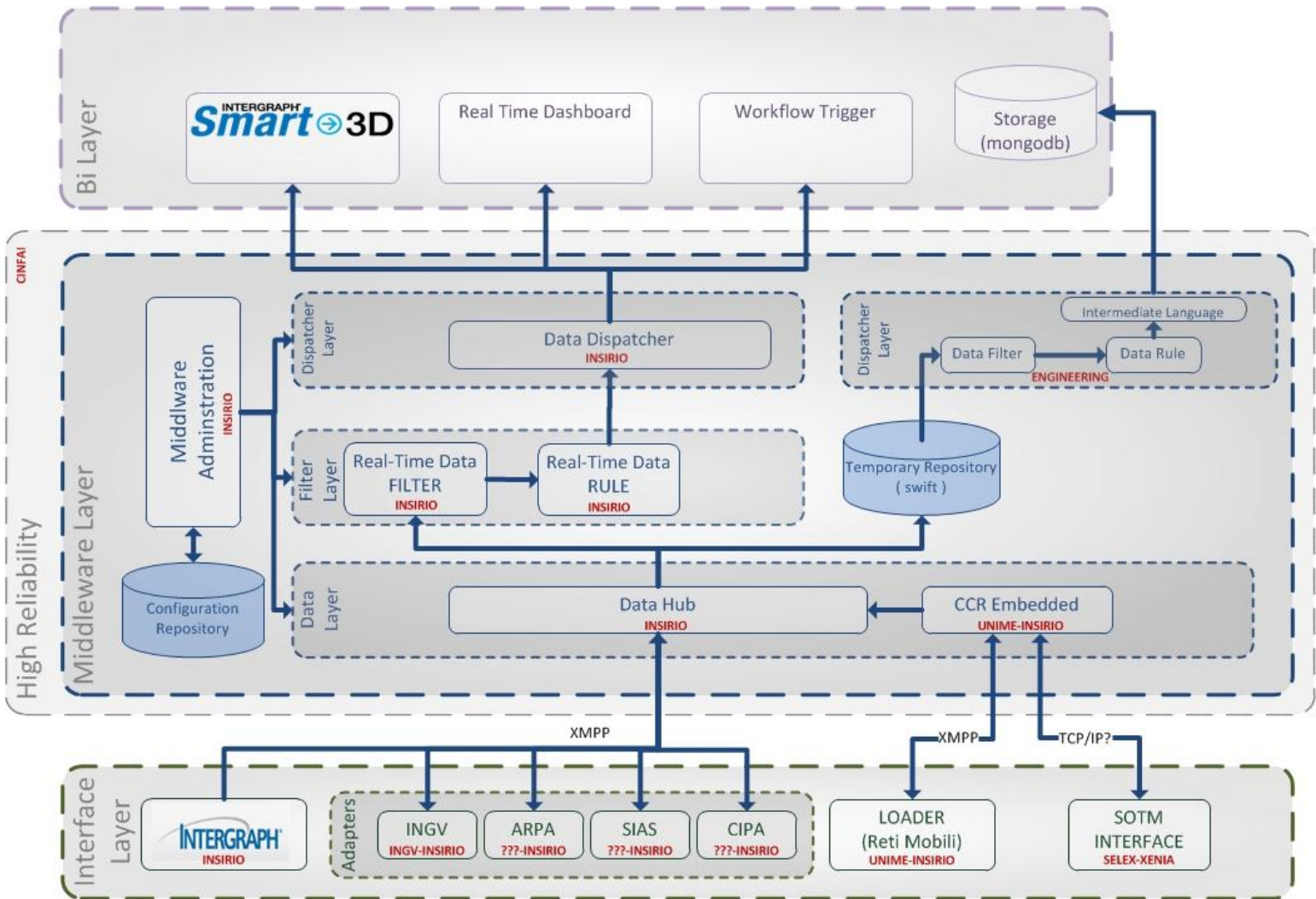
Piattaforma SIGMA



Piattaforma SIGMA



Middleware SIGMA



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Sestri Levante, Apr. 10th 11th 2014

**LE INTERGRAPH SMART™ SOLUTIONS E I PROCESSI DOWNSTREAM: E.G.:
SISTEMA INTEGRATO PER LA GESTIONE MULTIRISCHIO**

Presented by Maurizio M. GRANATA & Angelo ZAIA