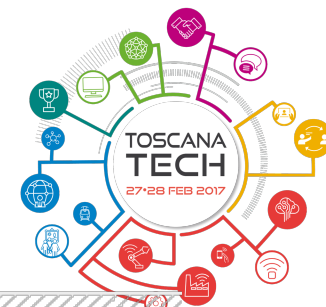


**Kick-off meeting of
the Partnership
“Industry 4.0. and
SMEs” – S3 Platform
for industrial
modernization**

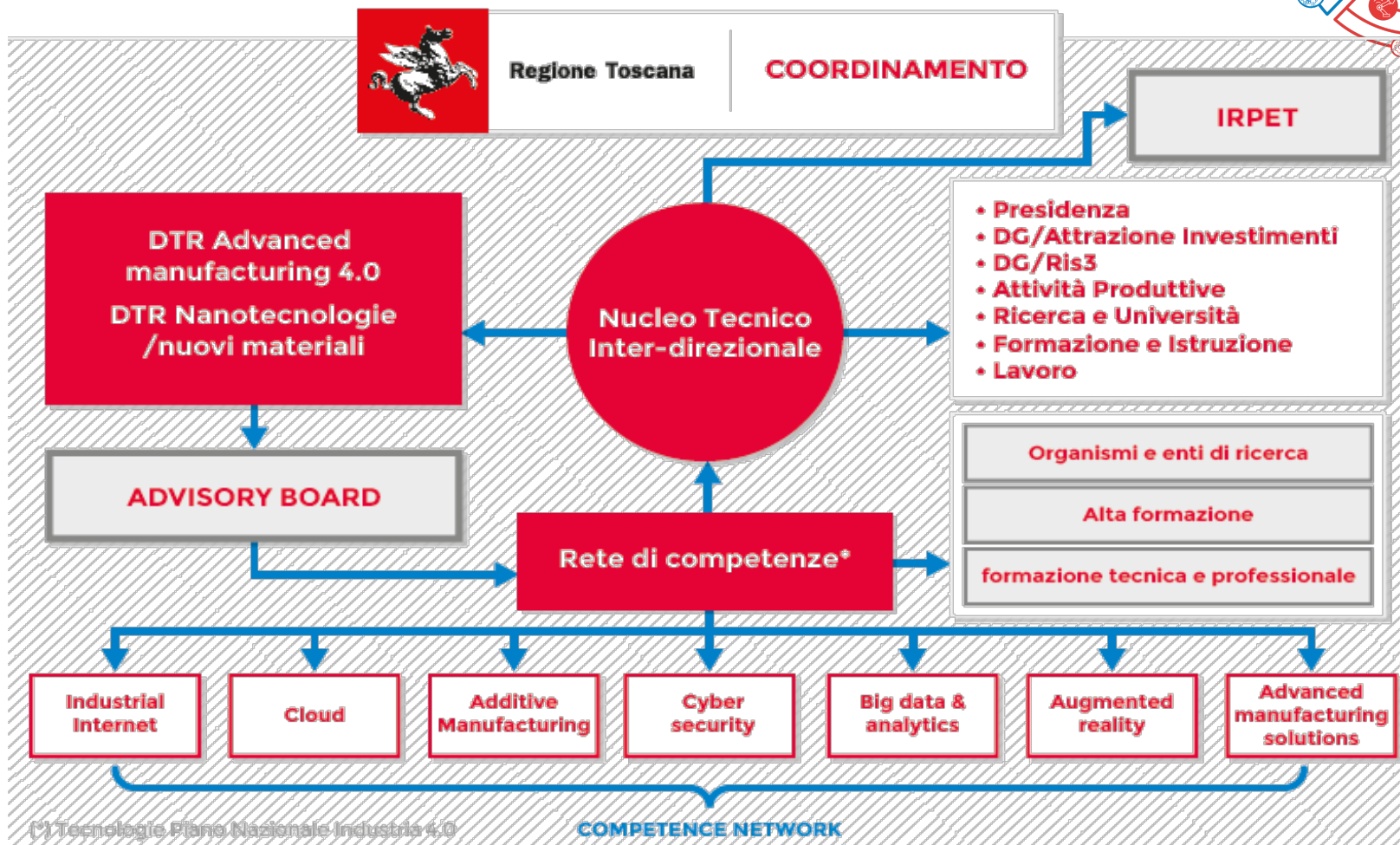
28 Febbraio 2017
Firenze
Villa Vittoria

Media partner

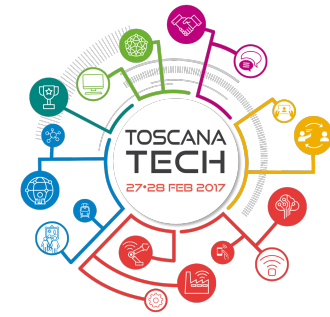
CORRIERE DELLA SERA
@
La libertà delle idee



PIATTAFORMA INDUSTRIA 4.0



Partnership “Industry 4.0 and SMEs” - KoM



Smart Factory is one of the priority in Tuscany RIS 3 Strategy

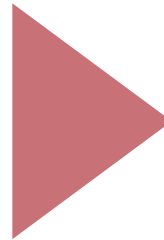
The first step: Mapping Industry 4.0 in Tuscany

Map leading research institutions and experts

Map companies and SMEs

Explore emerging subfields and topics of Industry 4.0.

Plan actions



Applications

Mobilise experts and partners

Support TT and R&I networks

Implement and monitor S3 specialisation

Prioritise and monitor funding

Benchmark competitors

Place making and regional marketing



Industria 4.0
Mappatura aziende italiane coinvolte/interessate data da rilevamento industriale

NOVO PIGNONE S.R.L.
<https://italia.industry4.0.it/5913>
 10/06/2015

ATTIVITÀ
 Fabbricazione di macchine e apparecchi per le industrie chimiche, petrolchimiche e polimeriche (incluse parti e accessori) la costruzione e l'esercizio di

LEGENDA

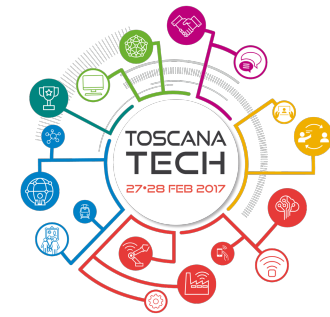
- DALLA SCELTA (Green)
- DALLA OFFERTA (Orange)



The outputs:

- **> 12.000 Tuscan research publications** classified as connected to Industry 4.0 skills
- **20 topics** representative of Industry 4.0 skills automatically identified (topic modelling)
- **2.000 researchers** identified and characterised
- 31 institutions (7 universities and 24 research institutes) characterised by their **specialisation and contribution to the topics**
- 20 topics mapped against 55 Industry 4.0 skills identified by the National Plan on Industry 4.0
- Development of an **interactive web-based tool** to explore the findings

Affiliation	Year	Title	Journal	%
Scuola Superiore Sant'Anna	2012	Design and development of a soft robotic octopus arm exploiting embodied intelligence	Proceedings - IEEE International Conference on Robotics and Automation	98.49%
Scuola Superiore Sant'Anna	2013	NEUROExos: A powered elbow exoskeleton for physical rehabilitation	IEEE Transactions on Robotics	96.53%
CNR ISTI	2013	Using visual attention in a CBIR system: Experimental results on landmark and object recognition tasks	VISAPP 2014 - Proceedings of the 9th International Conference on Computer Vision Theory and Applications	96.36%
CNR ISTI	2015	Efficient foreground-background segmentation using local features for object detection	ACM International Conference Proceeding Series	95.46%
CNR ISTI	2010	Structured audio podcasts via web text-to-speech system	Proceedings of the 19th International Conference on World Wide Web, WWW '10	94.57%



- **What we expected from EU partnership**

- Build up a network of opportunities/tools/services offered at European level usefull for SMES
- Open network for innovation - Digital cloud service (market analysis, production optimization)
- Joint Economic promotion events (awareness seminar, matching events useful to promote: interaction among emerging and traditional clusters, innovation cooperative processes etc.)
- Cross-sectorial platforms of digital enablers and traditional industries to connect supply chains and to facilitate traditional factories to get in touch with these players
- Demonstrators/Pilot project