



Sviluppo chimica spa



FEDERCHIMICA
CONFINDUSTRIA

26° Workshop del Programma T.A.C.E.C. «Efficienza Energetica e TEE: Opzioni per le Imprese»

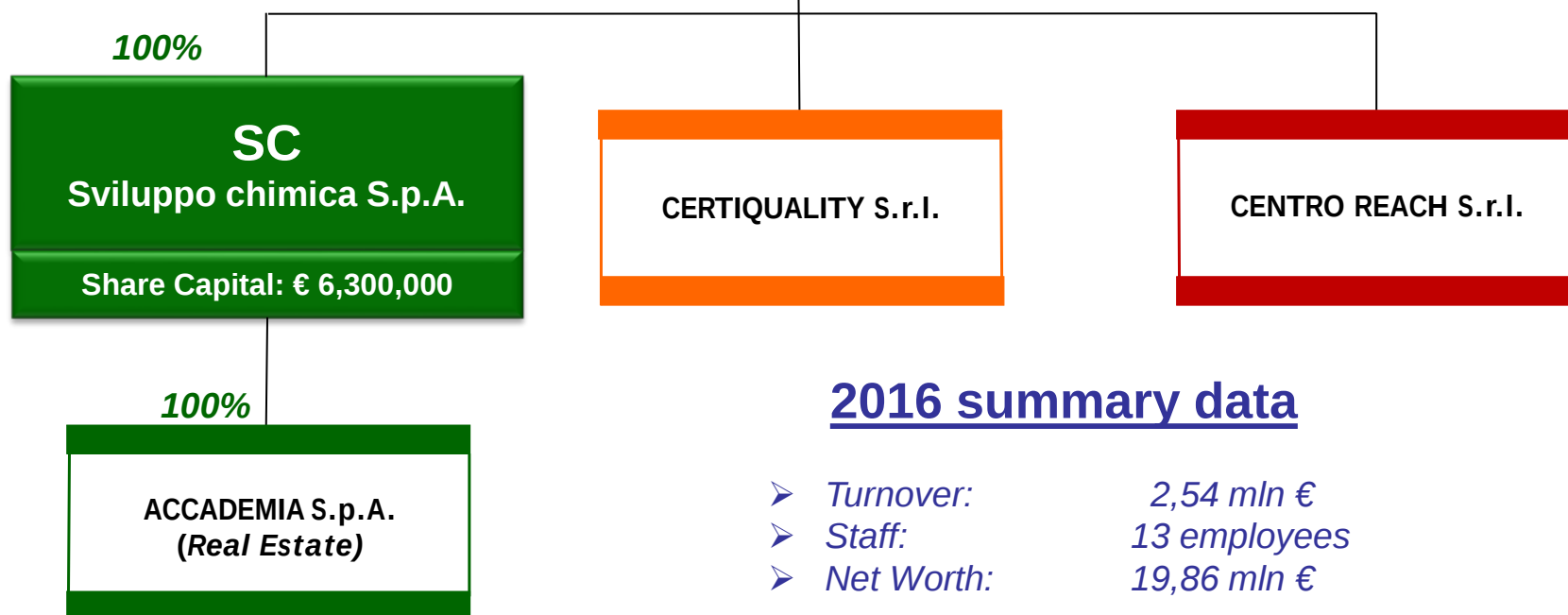
"La piattaforma di SPICE-3 come veicolo per le nuove opportunità anche per l'efficienza energetica (Big Data Analytics, Industria 4.0)"

Paolo Manes
Project Development Manager
SC Sviluppo chimica S.p.A.

Milan, 23 Giugno 2017



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BUSINESS AREAS

R&D Project
Management

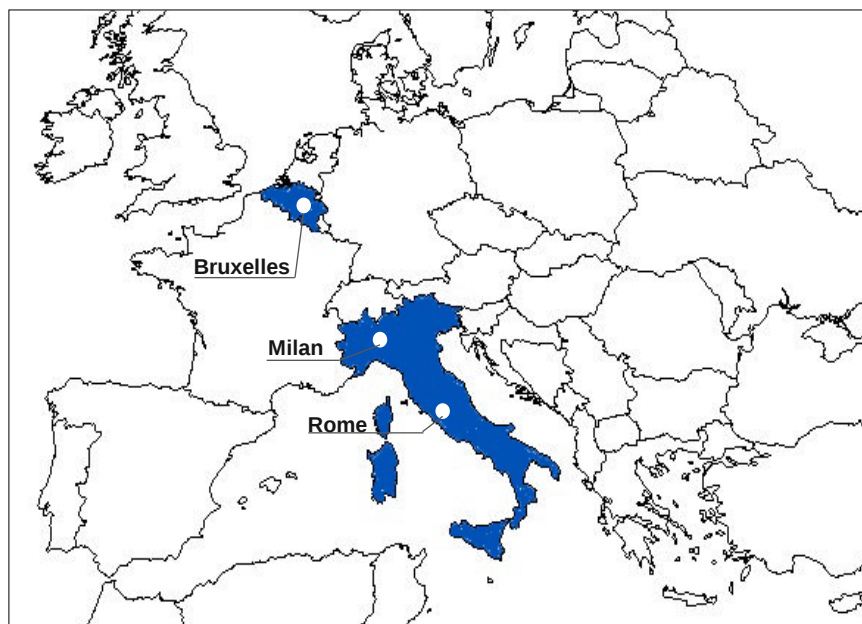
Venture Capital &
Local Development

Training

ICT



A Service Company operating within an integrated European R&D Ecosystem



Nanoforce (2.3 mln € budget and 9 Partners coordinated by SC) aimed to foster Nanotech exploitation and start-up in Central Europe
www.nanoforceproject.eu



BioLinX supports the development of a Bio-Based Economy (SC budget 0,2 mln €).
www.biolinx-project.eu

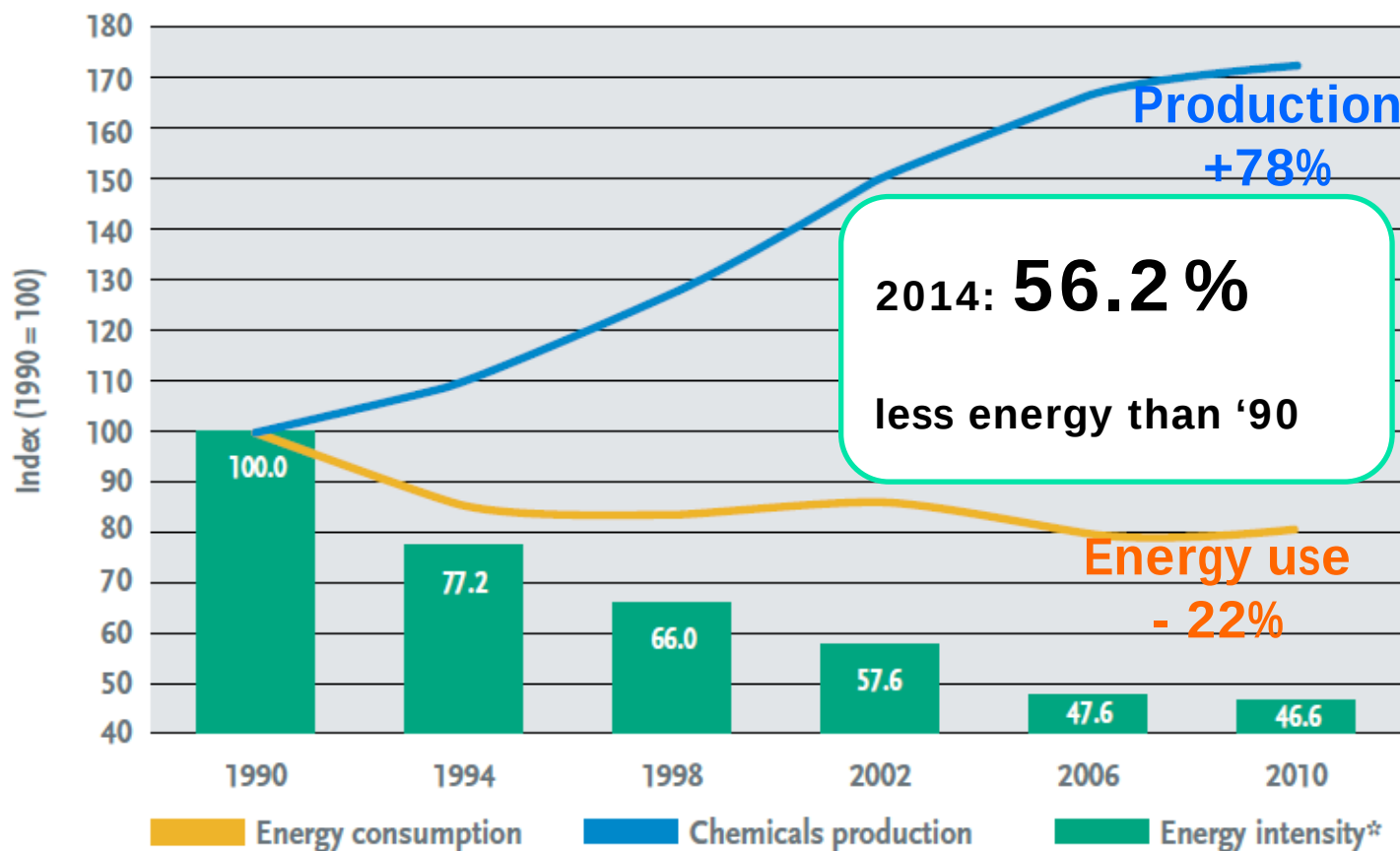


SPiCE³ - the Sectoral Platform promoting energy efficiency within Chemical Industry
www.spice3.eu



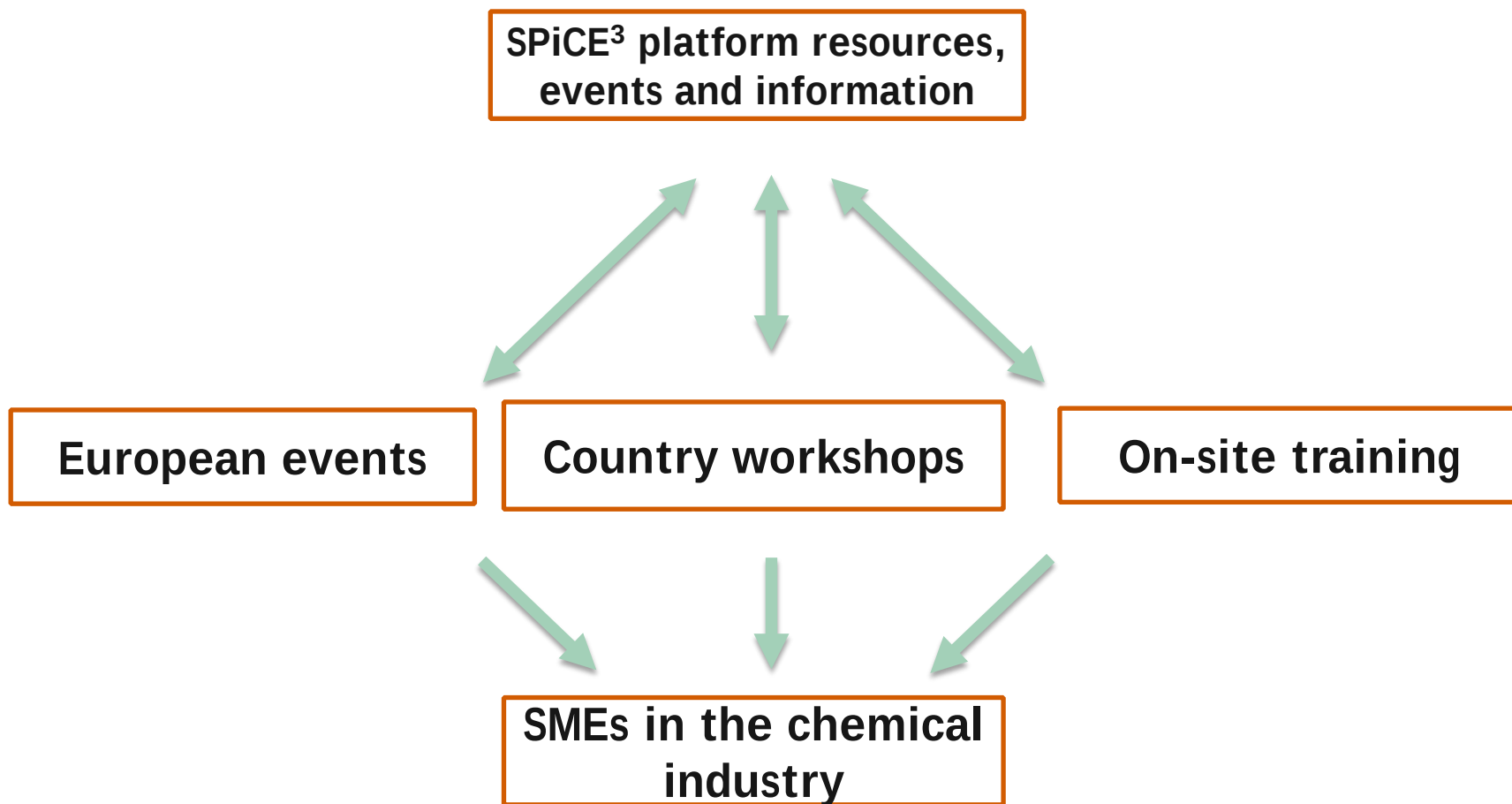
ChemMultimodal promotes Multimodal Transport in Chemical Logistics
www.interreg-central.eu/ChemMultimodal

Industria Chimica ed Efficienza Energetica



* Source Cefic facts and figures 2012

Progetto SPICE3



Piattaforma online SPICE3 (1)

www.spice3.eu

Ease of use

Relevant content

Concise and up to date

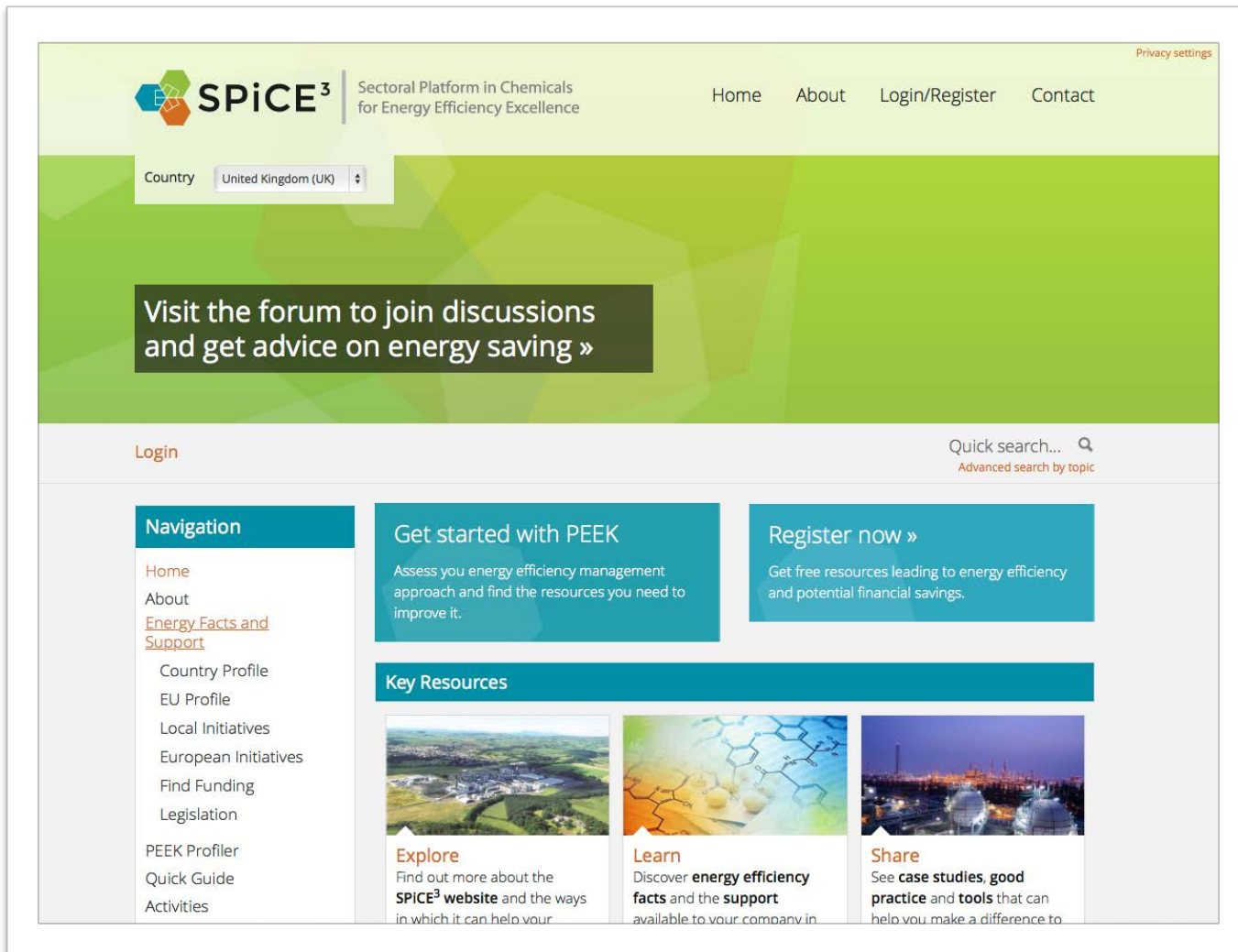
One stop shop

Coherent suite

Fresh & appealing

From the industry

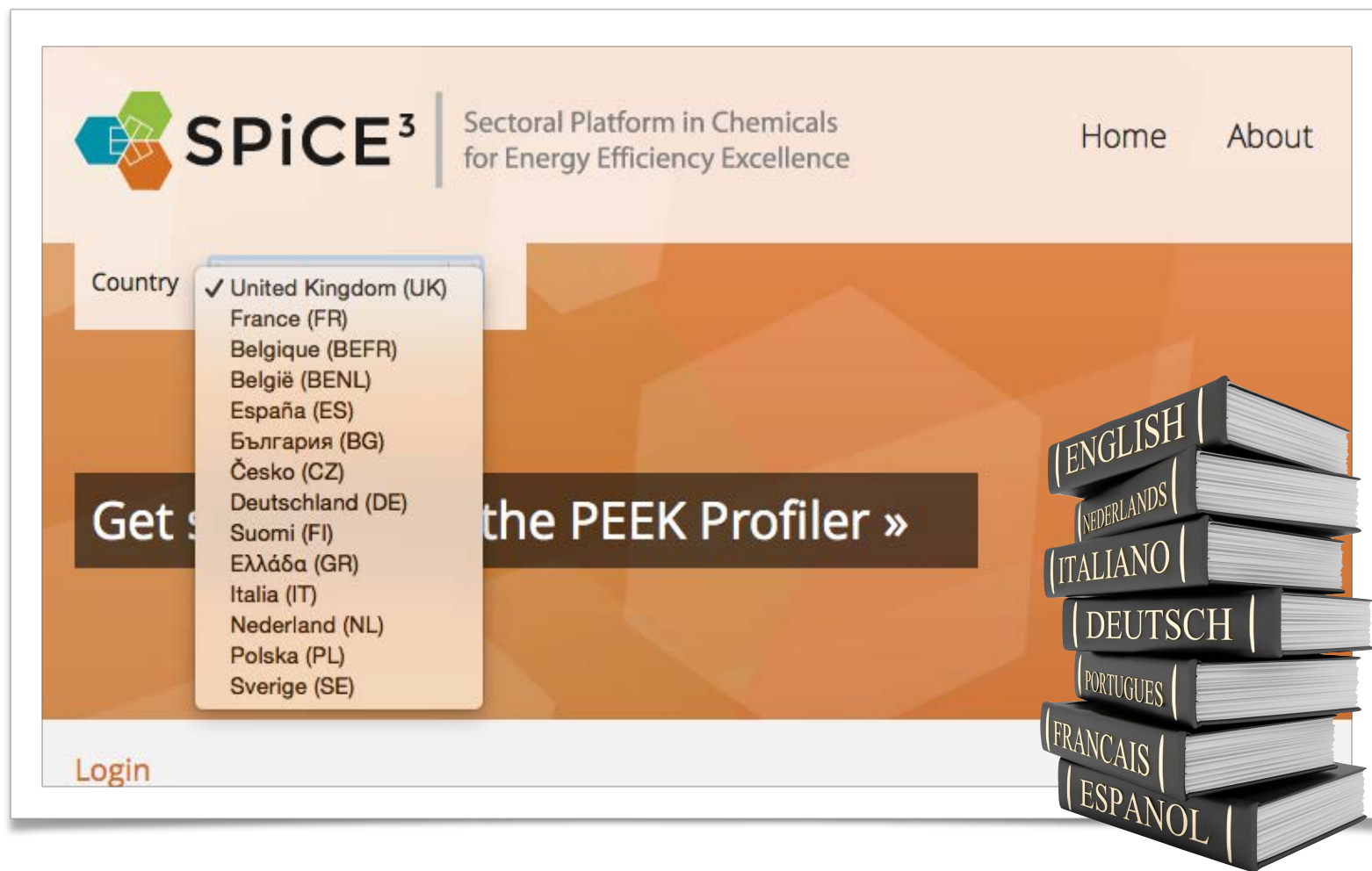
Multilingual



The screenshot shows the SPICE3 website interface. At the top, the logo 'SPICE³' is displayed next to the text 'Sectoral Platform in Chemicals for Energy Efficiency Excellence'. Navigation links include 'Home', 'About', 'Login/Register', and 'Contact'. A 'Country' dropdown menu is set to 'United Kingdom (UK)'. A large green banner with a geometric pattern contains the text: 'Visit the forum to join discussions and get advice on energy saving »'. Below the banner, there is a 'Login' link and a 'Quick search...' bar with a magnifying glass icon and the text 'Advanced search by topic'. The main content area is divided into three columns. The left column, titled 'Navigation', lists links: 'Home', 'About', 'Energy Facts and Support' (underlined), 'Country Profile', 'EU Profile', 'Local Initiatives', 'European Initiatives', 'Find Funding', 'Legislation', 'PEEK Profiler', 'Quick Guide', and 'Activities'. The middle column, titled 'Get started with PEEK', contains the text: 'Assess your energy efficiency management approach and find the resources you need to improve it.' The right column, titled 'Register now »', contains the text: 'Get free resources leading to energy efficiency and potential financial savings.' Below these columns is a 'Key Resources' section with three cards. The first card, 'Explore', features a landscape image and text: 'Find out more about the SPICE³ website and the ways in which it can help you.' The second card, 'Learn', features a chemical structure image and text: 'Discover energy efficiency facts and the support available to your company in...'. The third card, 'Share', features an industrial facility image and text: 'See case studies, good practice and tools that can help you make a difference to...'. A 'Privacy settings' link is visible in the top right corner.



Piattaforma online SPICE3 (2)



Piattaforma online SPICE3 (3)



Discover Best Practices for operations within your company:

Cleaning in place	Heat recovery	Pinch analysis
Climate control	Insulation	Solid drying
Compressed air	Lighting systems	Steam systems
Cooling systems	Liquid/solid separation	Unit Operations and Equipment
Distillation	Monitoring energy use	Vacuum systems
Energy management	Motor drives	Ventilation and dust control

Discover the new Best Practice in **Membrane Technology**
 How to convince upper management to invest in energy efficiency

Πιattaforma online SPICE3 (4)



Μάρτιος 2015

Forward

f Μοιραστείτε το

Tweet it



Πουλώντας τα projects σας στη διοίκηση

Συχνά, οι διαχειριστές βιομηχανικών εγκαταστάσεων πρέπει να πείσουν την ανώτερη διοίκηση ότι η επένδυση στην ενεργειακή αποδοτικότητα του συστήματος είναι κάτι που αξίζει να πραγματοποιηθεί. Το πρόβλημα είναι ότι μερικές φορές η επικοινωνία αυτού του μηνύματος μπορεί να είναι πιο δύσκολη από την πραγματική μηχανική πίσω από την ιδέα. Ένα εταιρικό ακροατήριο αποκρίνεται συνήθως πιο εύκολα στις επιπτώσεις των ταμειακών ροών από ό, τι σε μια συζήτηση για την καλύτερη χρήση των σημείων αποδοτικότητας. Υιοθετώντας μια οικονομική προσέγγιση, ο διευθυντής μιας εγκατάστασης μπορεί να συσχετίσει την απόδοση του συστήματος και την αποτελεσματικότητα με τους εταιρικούς στόχους και να «κερδίσει» τα ανώτερα διοικητικά στελέχη που παίρνουν τις τελικές αποφάσεις σχετικά με τις επενδύσεις κεφαλαίων στην αναβάθμιση του συστήματος.

[Διαβάστε περισσότερα](#)


@SPICE3EU

Tweets
706

Following
781

Followers
1,475

Likes
158

Moments
0

Tweets

Tweets & replies

Media


SPICE³ @SPICE3EU · 2h

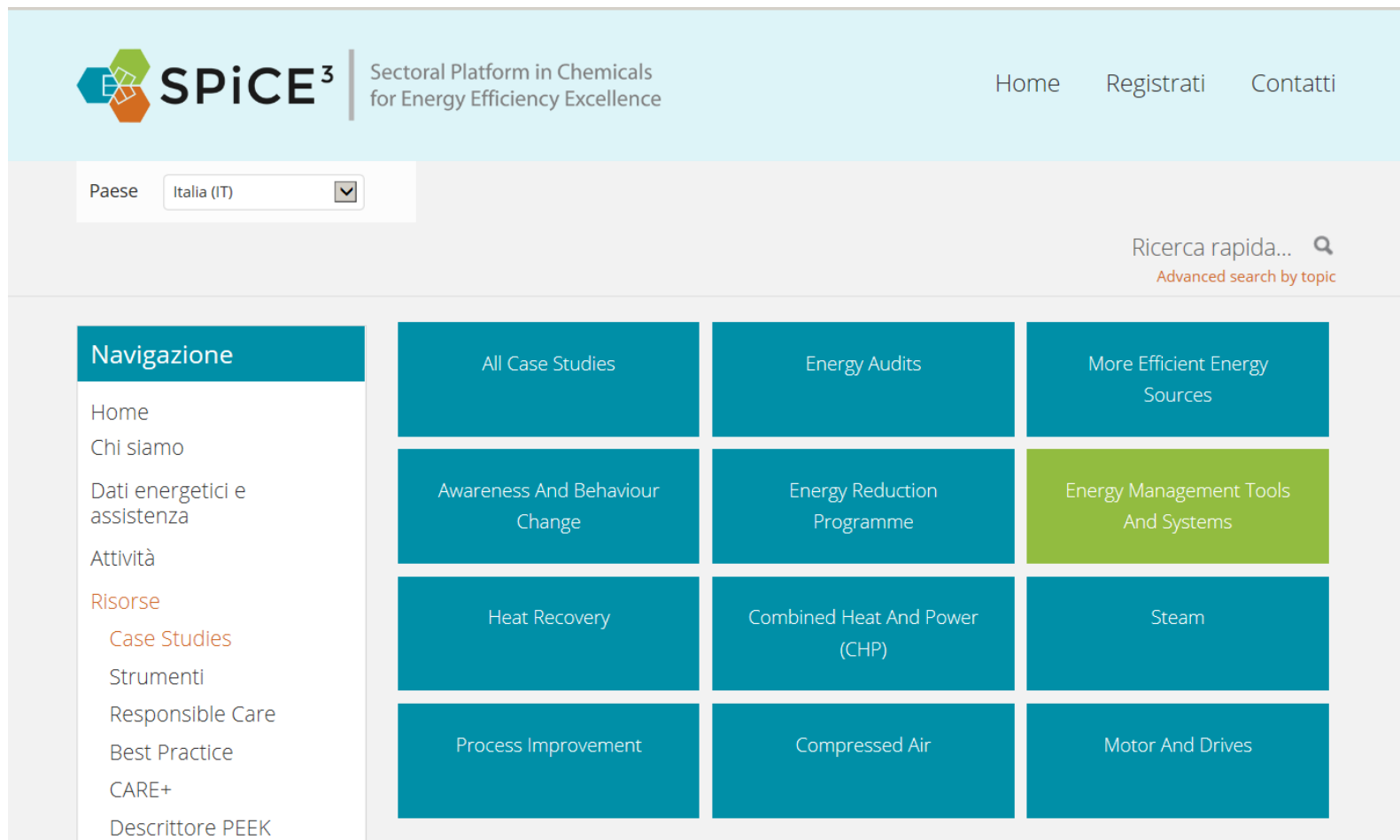
#EnergyManagement boosts #SMEs profitability thanks to #energy #savings | #DecarbEurope | decarbeurope.org


SPICE³ @SPICE3EU · 2h

.@BASF insulation foam illustrates that #chemical industry is a pillar of a #lowcarbon economy. #energyefficiency

Piattaforma SPICE3:

Case Studies «logicamente organizzati»



The screenshot shows the SPICE3 website interface. At the top, there is a header with the SPICE3 logo and the text "Sectoral Platform in Chemicals for Energy Efficiency Excellence". Navigation links for "Home", "Registrati", and "Contatti" are on the right. Below the header, there is a search bar with a dropdown menu for "Paese" (Country) set to "Italia (IT)". To the right of the search bar is a search button labeled "Ricerca rapida..." with a magnifying glass icon and a link to "Advanced search by topic".

The main content area is divided into two sections. On the left is a "Navigazione" (Navigation) sidebar with a teal header. It contains links to "Home", "Chi siamo", "Dati energetici e assistenza", "Attività", "Risorse" (highlighted in orange), "Case Studies", "Strumenti", "Responsible Care", "Best Practice", "CARE+", and "Descrittore PEEK".

On the right is a grid of 12 teal buttons, each representing a different case study or topic. The buttons are arranged in a 4x3 grid. The button "Energy Management Tools And Systems" is highlighted in green. The buttons are labeled as follows:

- Row 1: All Case Studies, Energy Audits, More Efficient Energy Sources
- Row 2: Awareness And Behaviour Change, Energy Reduction Programme, Energy Management Tools And Systems
- Row 3: Heat Recovery, Combined Heat And Power (CHP), Steam
- Row 4: Process Improvement, Compressed Air, Motor And Drives

Case History «SASOL»



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Sasol Italy's implementation of Advanced Process Controls

27 Aprile 2017

in Share

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Sasol Italy implemented an energy efficiency improvement project based on the application of Advanced Process Control ("APC") technologies in its factory at Augusta (Siracusa, Italy).

This stepwise approach has been successfully applied in different APC projects carried on by Sasol Italy through the involvement of external engineering company (Eascon).

The techniques make use of improved ability to extract value from the analysis of big masses of available data (so-called Multivariable Predictive Control). The immediate result is an improvement of the efficiency of process control that translates in the achievement of significative cost reductions in process operations. More detailed results are available in the PDF file below.

It is expected that a wide diffusion of this type of "data analysis techniques" (Big Data and other Modelling/Simulation techniques) could let Chemical Industry achieve a significant improvement of the operating efficiency.

[The Advanced Process Controls in Sasol Italy Plants](#)

http://www.spice3.eu/images/banners/Advanced_Process_Controls_in_Sasol_Italy_Plants.pdf



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Grazie per l'attenzione

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