

Case study: using e-CF in Engineering

Andrea Manieri, Giulia Patucca

Alessandro Bennici

Engineering Ingegneria Informatica S.p.A.

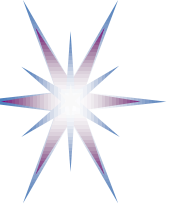


EDISON

building the data
science profession

EDISON – Education for **D**ata Intensive
Science to **O**pen **N**ew science frontiers

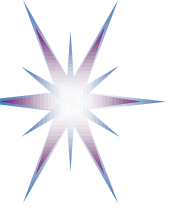
Grant 675419 (INFRASUPP-4-2015: CSA)



Outline

- Who's Engineering
- (EUCIP vs. eCF)-compliant company profile system
- Mapping to eCF (and DS-CF)





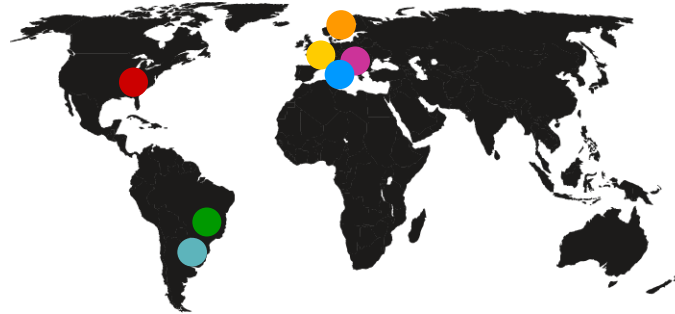
The Engineering Group



IN ITALY

33 cities

ABROAD



Wilmington

São Paulo / Rio de Janeiro / Recife
Belo Horizonte / Curitiba

Buenos Aires

Brussels

Belgrade

Oslo



USA



BRAZIL



ARGENTINA



BELGIUM



REP. OF SERBIA



NORWAY

A global player

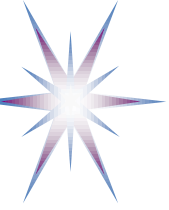
Business Integration
Consulting
Outsourcing
Products and solutions

7,800
professionals
+ **3,000**
external resources

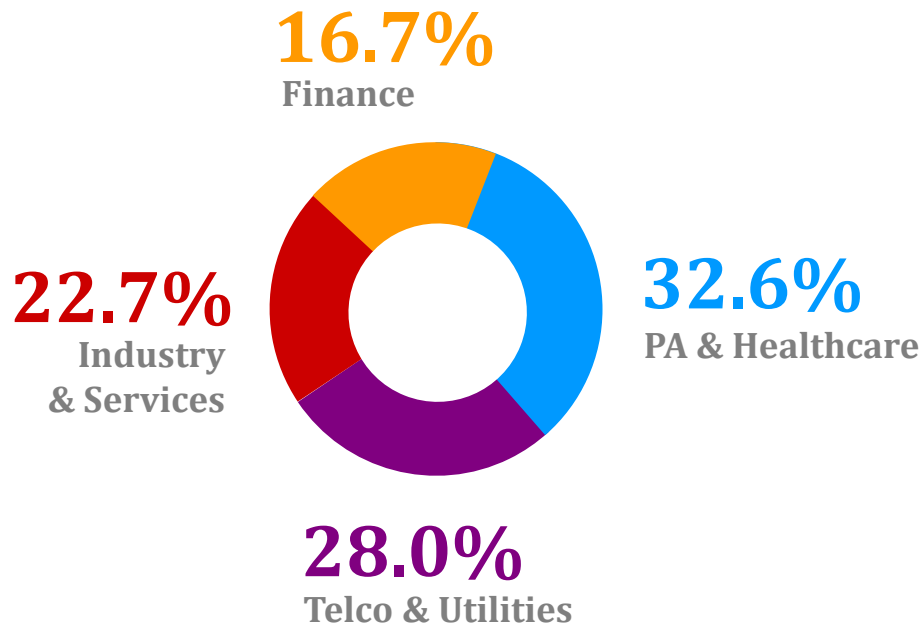
8%
market share
in Italy

1,000
large accounts

853 mn€
total revenues



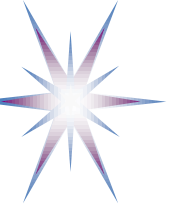
Business Areas and Results



TOTAL REVENUES
853.0
Mn€

EBITDA
109.9
Mn€

NET PROFIT
42.7
Mn€

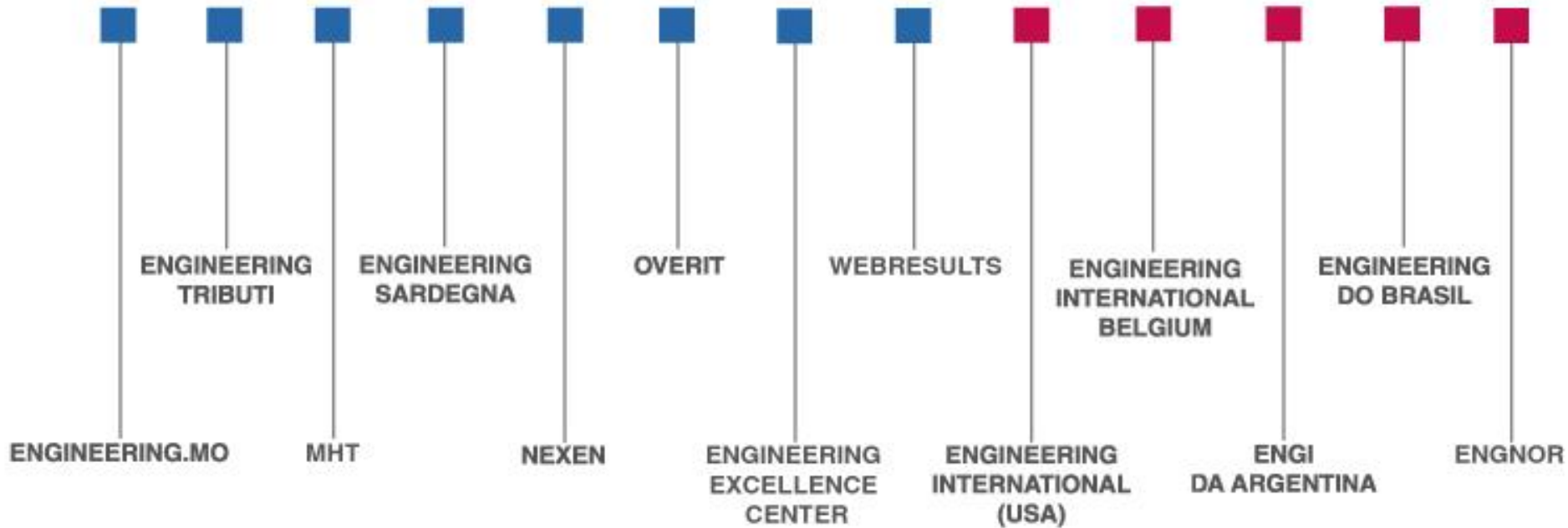


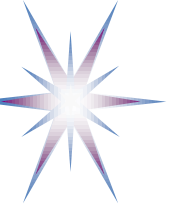
The organization

ENGINEERING INGEGNERIA INFORMATICA

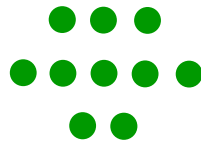
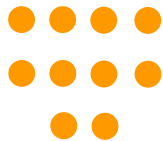
ITALY

ABROAD





The Training School



Customers

- Alitalia
- ANAS
- ANCE
- Banca d'Italia
- BNL - Gruppo BNP Paribas
- Camera dei deputati
- Campari
- Consob
- Consorzio Triveneto
- Costa Crociere
- EFSA
- ENAV
- ENI
- Fedrigoni
- Ferrovie dello Stato
- InfoGroup
- Mediobanca
- Ministero della Giustizia
- Ministero dell'Interno
- Monte dei Paschi di Siena
- ONU
- Philips
- Policlinico Gemelli
- Poste Italiane
- Provincia di Pavia
- RAI
- Reale Mutua Assicurazioni
- Regione del Veneto
- SEDAGroup
- Telecom Italia

The IT & Management School "Enrico Della Valle"

provides certified campus and residential training

www.engineeringformazione.it

315

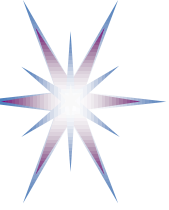
Catalogue courses

200

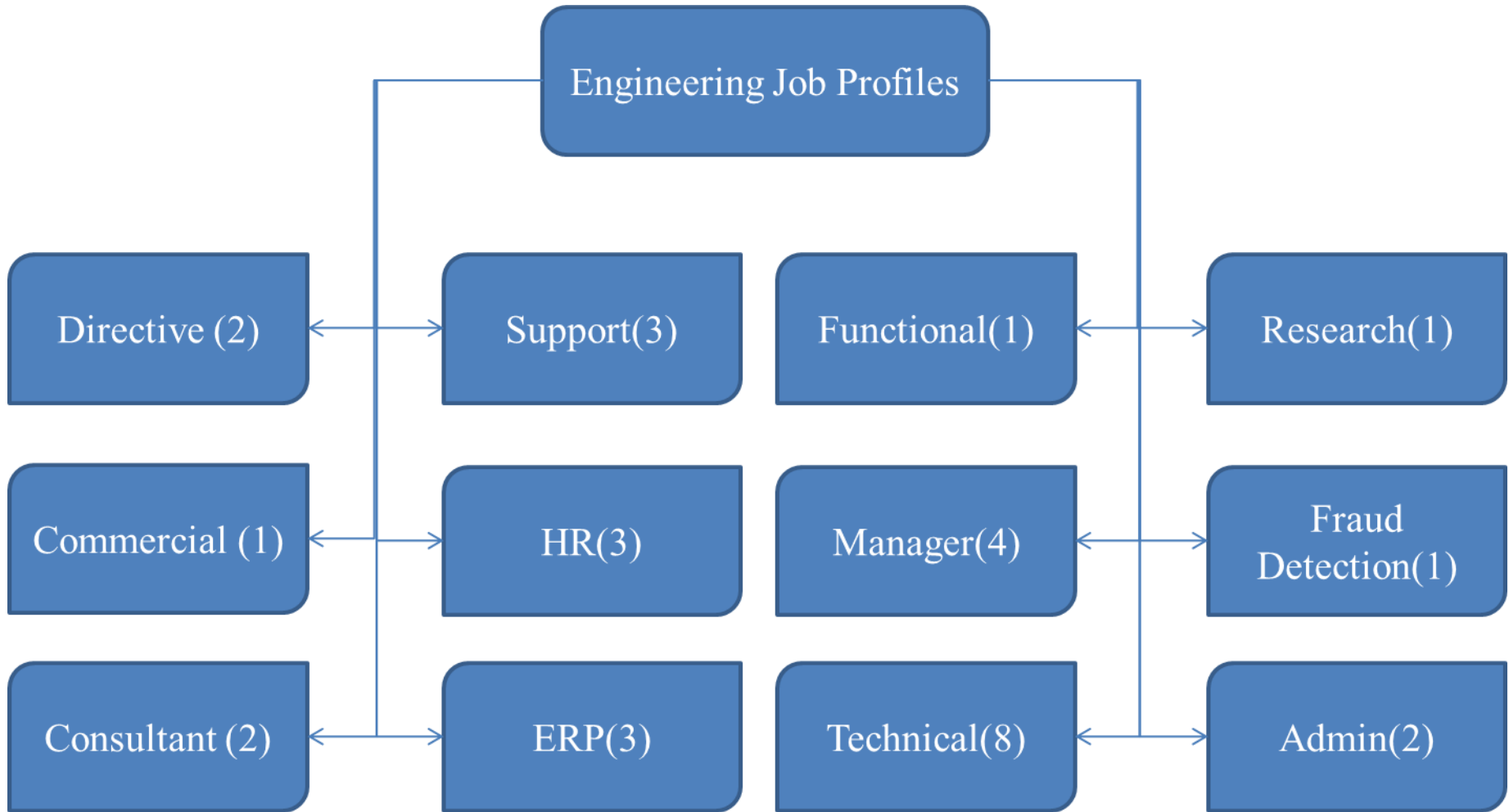
Certified teachers

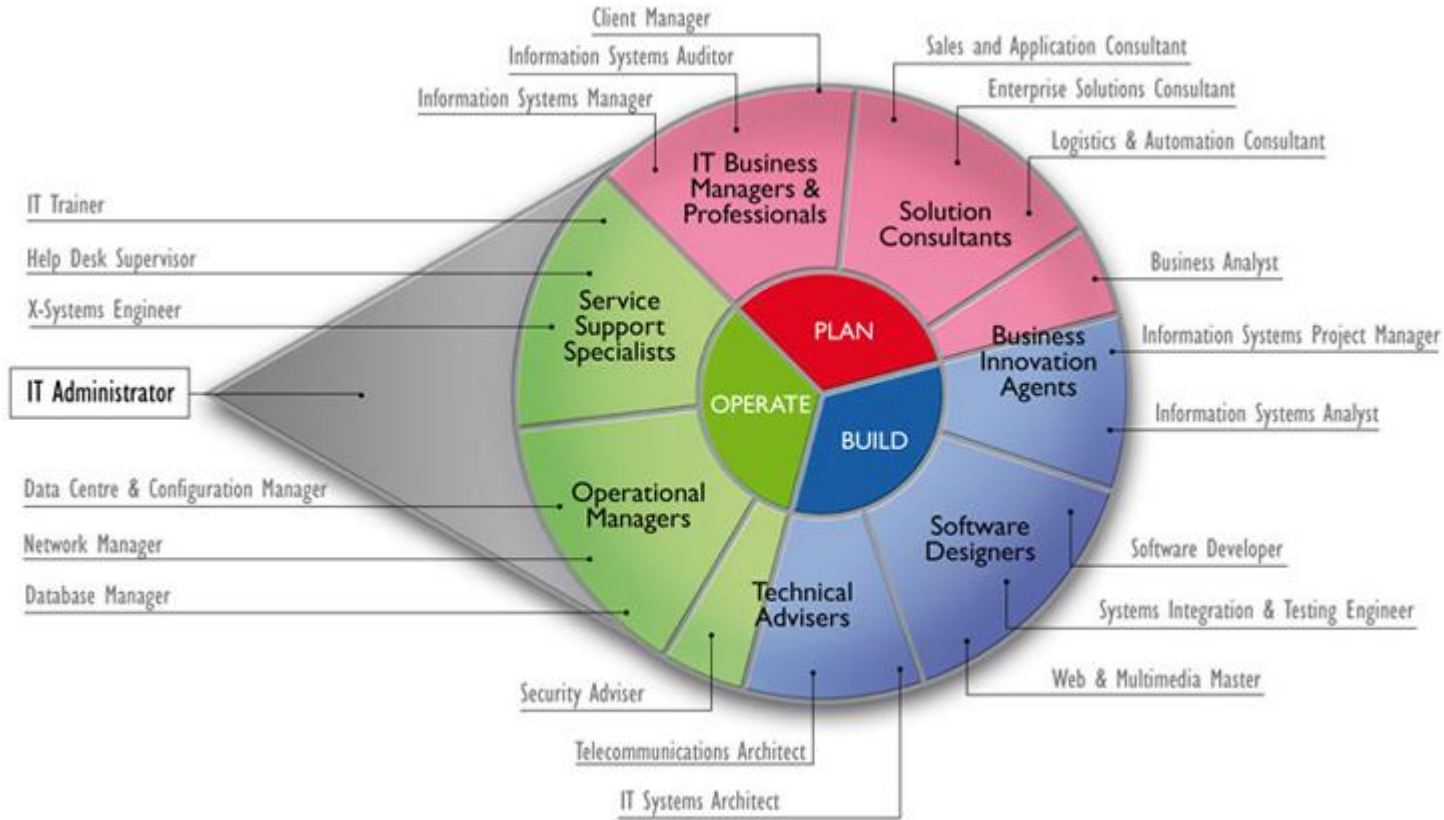
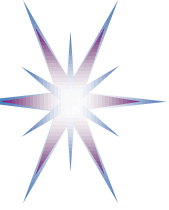
16,950

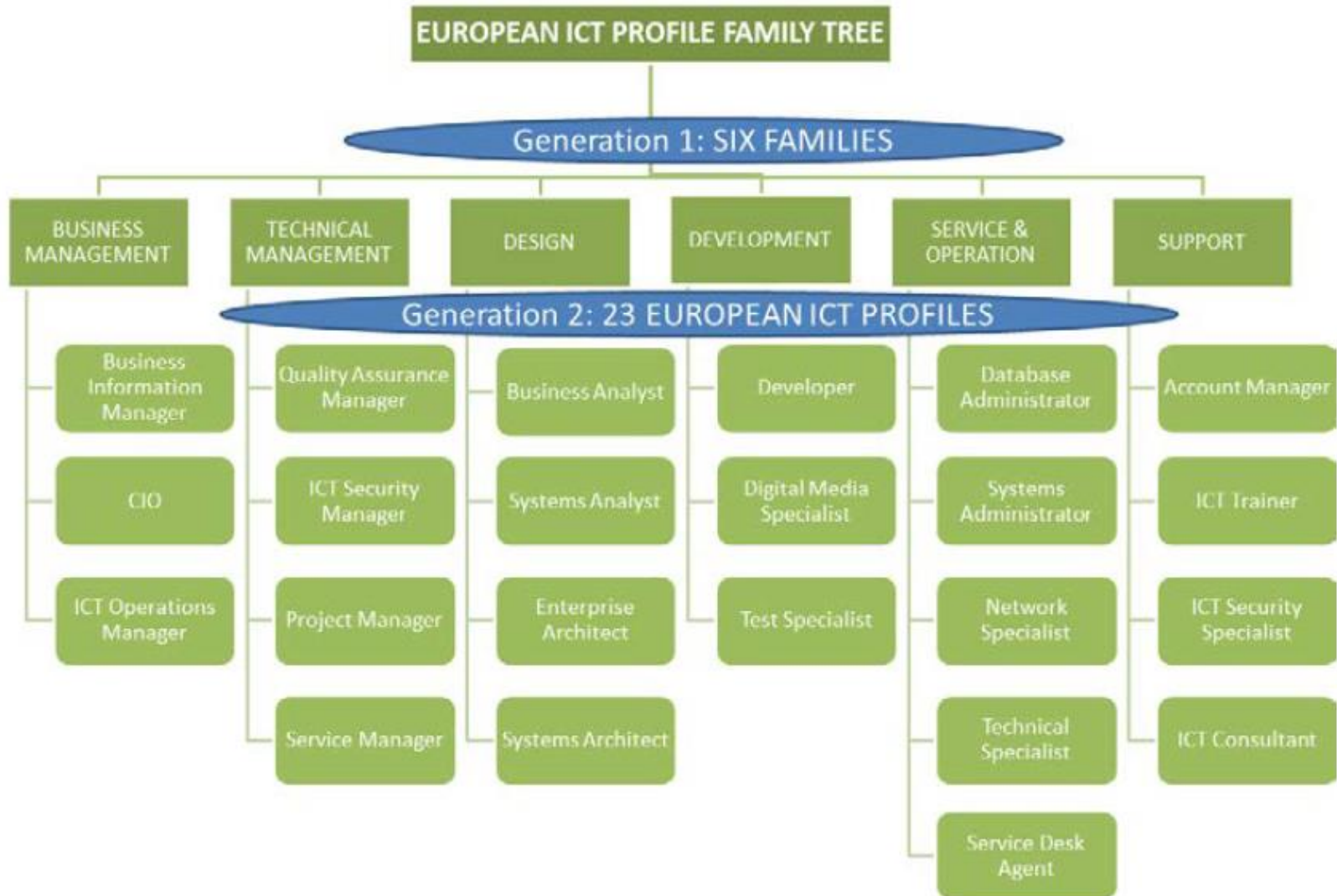
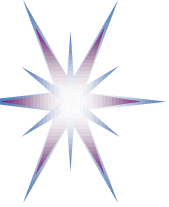
days/person provided

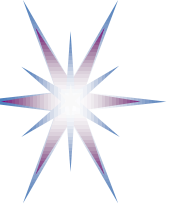


The ENGINEERING Case



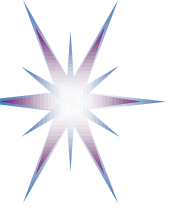




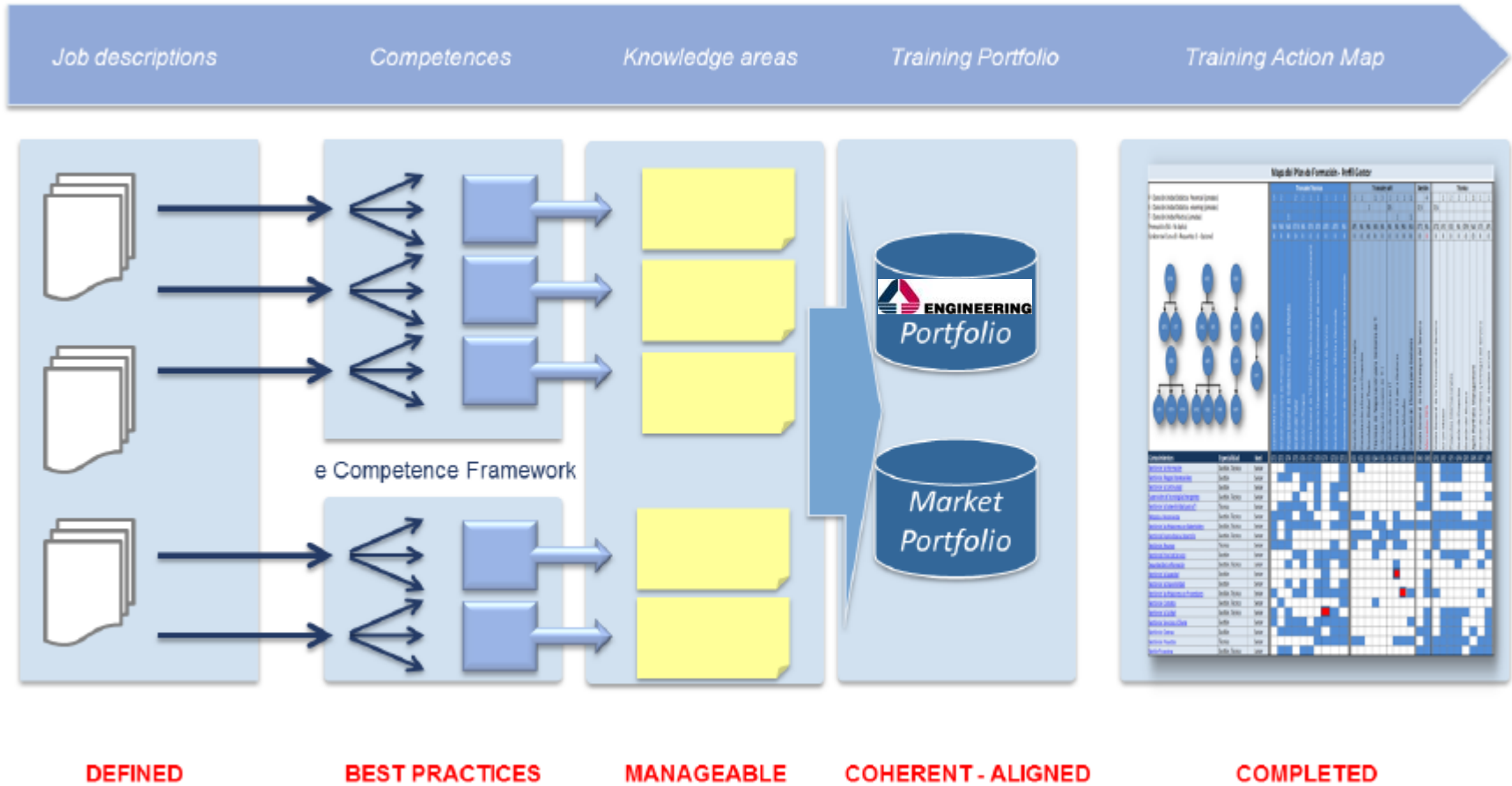


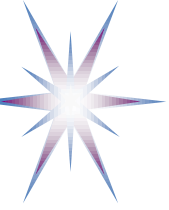
EUCIP vs. eCF

	EUCIP	e-CF
ente promotore	Cepis; AICA in Italia	CEN (Commissione Europea)
sito web	www.eucip.com; www.eucip.it	www.ecompetences.eu
data di lancio	2001	2007
livello di definizione	completo	completo
lingua	inglese, italiano	inglese
scopo originario	programma di certificazione	armonizzare framework nazionali
orientamento	profili professionali	competenze, processi
profili professionali	21+1	esterni rispetto al framework
certificazioni	Base, Professional, IT Administrator	esterne rispetto al framework
proficiency	per i profili: assistente, profilo "pieno"; per le competenze: livelli da 0 a 4	5 livelli basati su EQF da 3 a 8 (Dimensione 3)
formazione	corsi offerti da società accreditate, corsi universitari	da definire
struttura	gerarchia a 4 livelli: aree di conoscenza (<i>Plan, Build, Operate</i>) categorie (18) temi conoscenze elementari	gerarchia a 3 livelli: Dim. 1 (aree di competenza: <i>Plan, Build, Run, Manage, Enable</i>) Dim. 2 (32 <i>e-competence</i>) Dim. 4 (<i>knowledge, skills</i>)



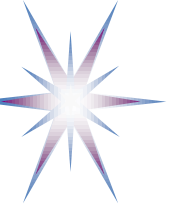
How to use eCF





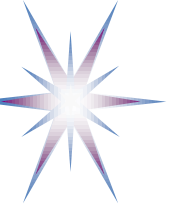
Mapping profiles (interim exercise)

Engineering profiles	R/I profiles (RDA - IG)
Consultant/Solution Consultant	(More-Deep-than-Broad) Data Scientist
Manager/Project Manager	Research Manager
Manager/Technical Manager	
Manager/Service Manager	
Manager/Delivery Manager	
Functional /information systems analyst	(More-Broad-than-Deep) Data Scientist
Technical/Information Engineer	Data Scientist
Technical/Data Analyst	
Technical/Infrastructure Engineer	eInfrastructure operator/Manager
	Digital Librarian



Mapping the research profiles

European Research Framework		Engineering Research seniority levels	
R1 First Stage Researcher	Up to the point of PhD	Apprentice	Not independent
		Junior	> 24 Months in ENG Independent in performing a research activity
R2 Recognised Researcher	PhD holder or equivalent who is not yet fully independent	Researcher	> 4Years in ENG Independent at task level in performing activities including relations with partners, scientific paper submission and contribution to research proposal writing
R3 Established Researcher	Researcher who has developed a level of independence	Senior	> 6 Years in ENG Independent at WP or Project level in performing activities or leading them Autonomous in conceiving and writing scientific papers and research proposals
R4 Leading Researcher	Researchers leading their research area or field		
		Head of Research Area	> 10 Years in ENG Leading the development of a research area, coordinating the assigned projects (aka Program Mgr.), Quality control and team development



Thanks for your attention



Giulia Patucca
Researcher

Engineering
Ingegneria
Informatica spa

Research & Innovation

Via Riccardo Morandi, 32
00148 Rome
Italy

Tel. +39-06.83074047
Fax +39-0683074200
Mob. +39-349.2532491

www.eng.it

Giulia.patucca@eng.it

