



AGÊNCIA NACIONAL
DE INOVAÇÃO

Knowledge & Collaborative Innovation

Challenges & Opportunities in Portugal

Global Forum of Intellectual Capital - Lisbon - November'15

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Foreword - ANI and K&C Innovation

Portugal Today - Where are we?

Challenges towards 2020

Opportunities towards 2020

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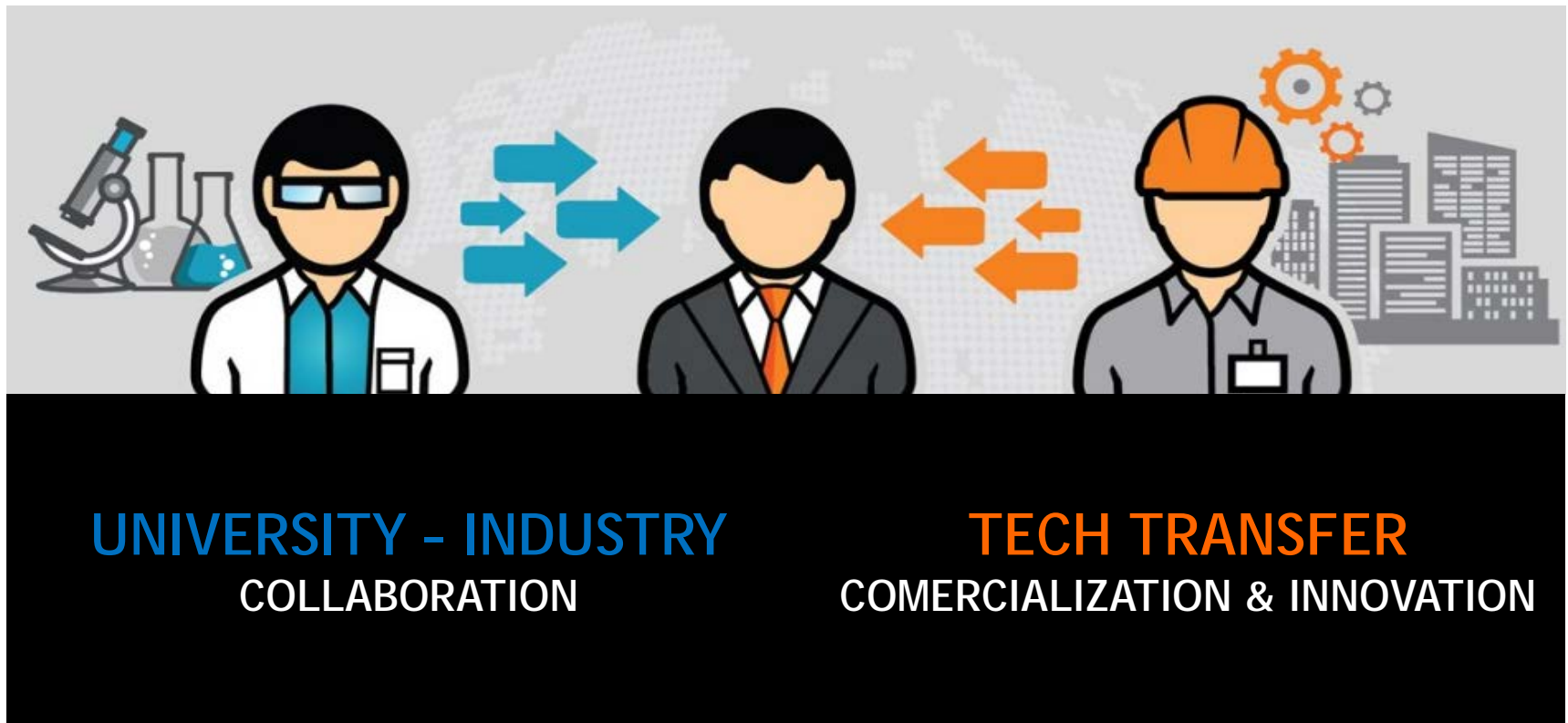
Opportunities towards 2020



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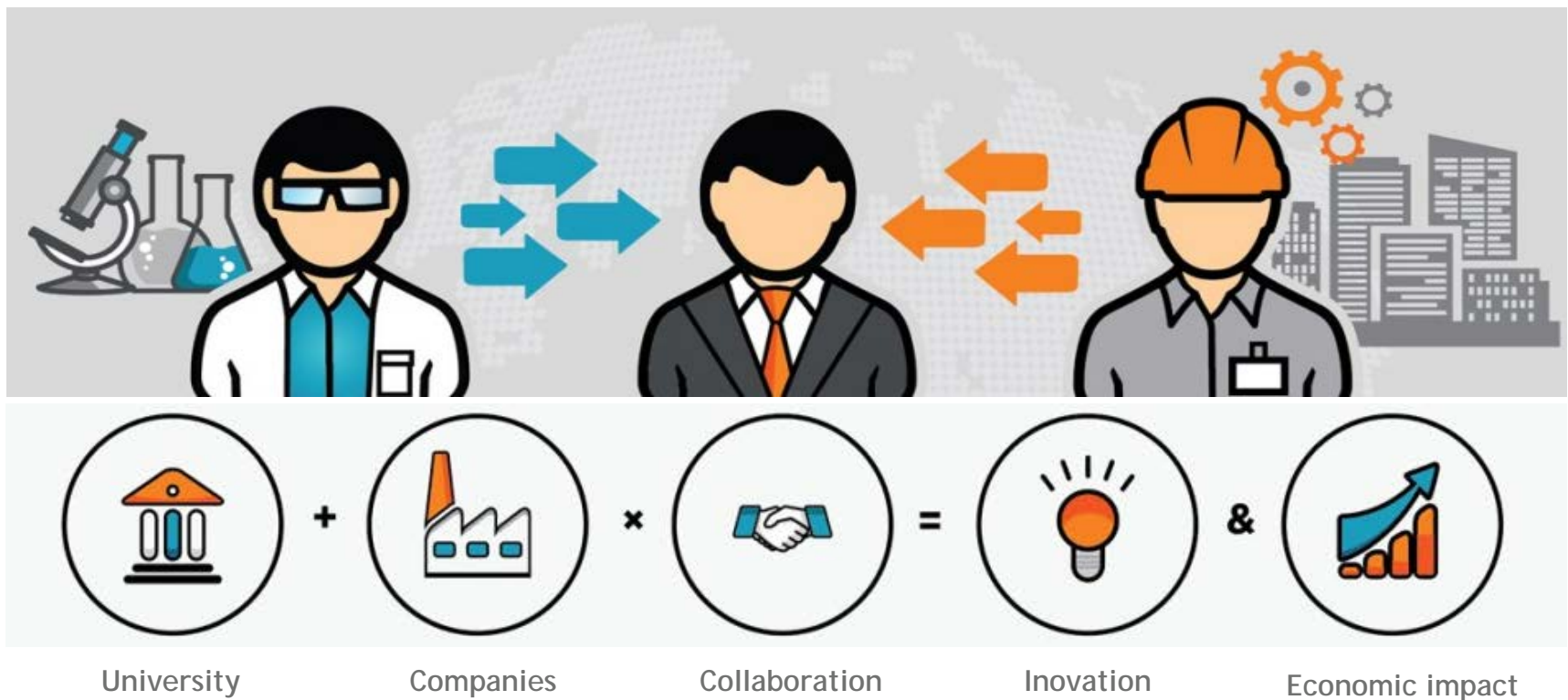
FOREWORD - KNOWLEDGE & COLLABORATIVE INNOVATION: At the heart of ANI Mission

Mission: Facilitate collaborative innovation





Value creating integrative approach to the TT/KT process





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ANI portfolio: financial and tax incentive systems to R&I

> incentives systems

Integrated promotion of collaborative R&I support





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ANI portfolio: much more than financial incentives

> **internationalization R&I**
participation in international programs-networks





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> tech transfer

innovation/entrepreneurship support services



BOLSA
DE TECNOLOGIA
E NEGÓCIOS





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ANI portfolio: much more than financial incentives

> **innovation policy**
benchmarking the R&I system and ENEI



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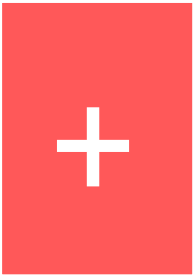
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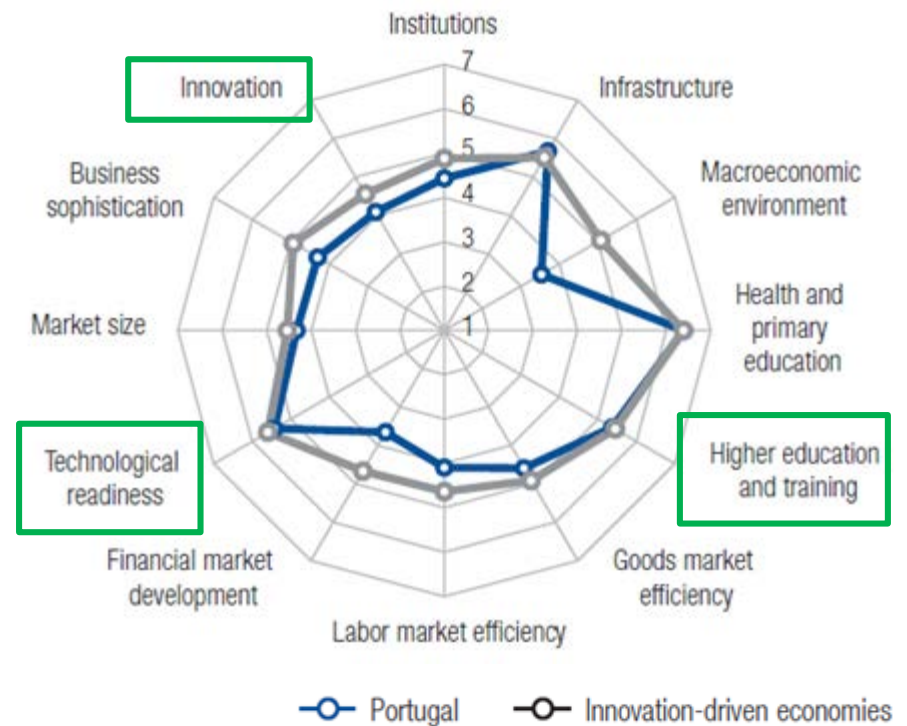
Challenges towards 2020

Opportunities towards 2020

Global Competitiveness Report: from 51 to 36 out of 144

+14 positions
GCR 2013-2014


 innovation
 technology
 higher education



GCR'14: PT 36/144 - improved input/output ratio

#1 annual growth rate in innovation performance

Top20 availability of latest technologies, FDI & TT

Top25 collaborative innovation

PT more innovative - our skills make the difference...

61% population speaks at least 1 foreign language

English mandatory since elementary school

Math performance above OECD average (PISA 2012)

PT more innovative - quality and availability of R&I staff...

4th highest % of students enrolled in
science in engineering EU28

Top 10 R&D&I staff availability and quality

4th Quality of management schools

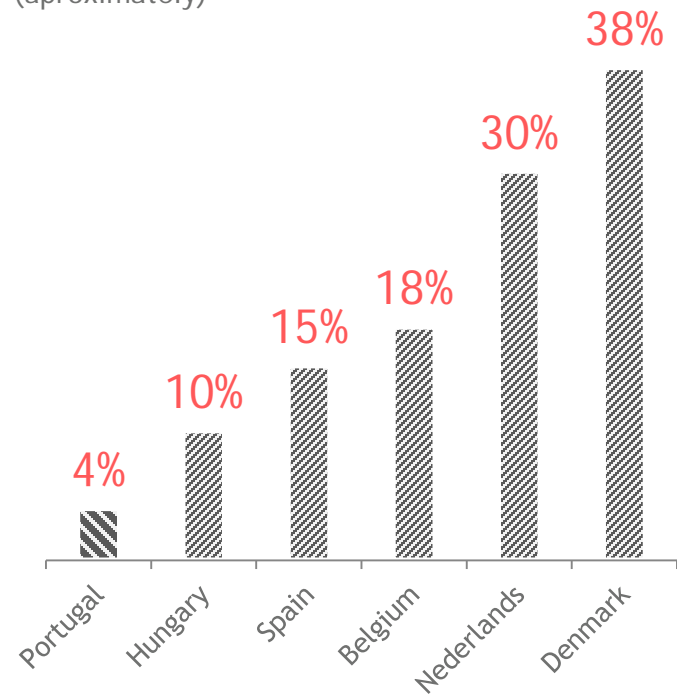
PT more innovative - younger PhDs are industry oriented

4% only a small percentage of PhDs working in companies

> 2x increase 2008-2012 due to economic adjustment and scarcity public funds

16% higher percentage in younger population

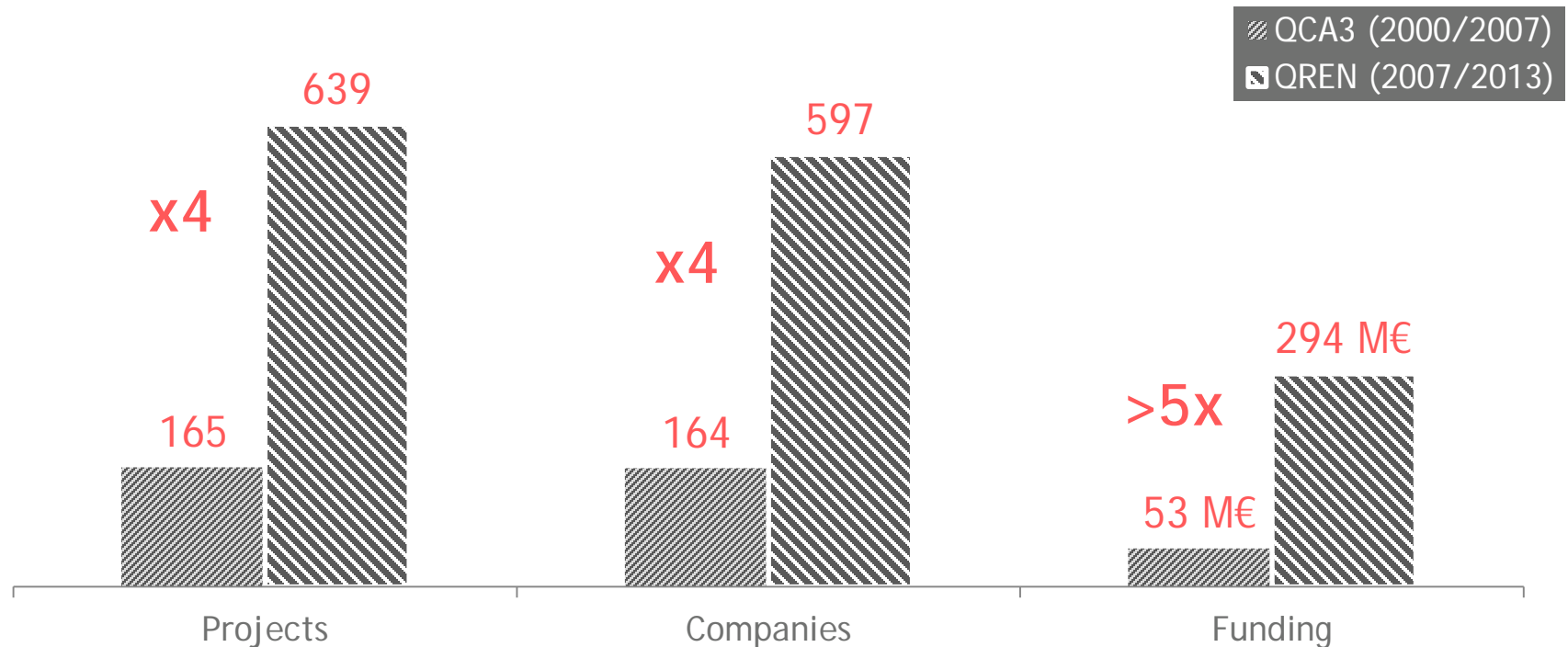
PhD working in companies (approximately)



PT more innovative - because we collaborate more

University - Industry Collaborative R&D Projects

(University - Industry Consortia Projects & Grants)



PT more innovative - a booming entrepreneurial landscape

3rd in Fundacity's Acceleration Ranking in 2014
(measures number of startups accelerated)

Top20 3 portuguese acelerators in Fundacity

16% start-ups applying for Public VC have PhD founders

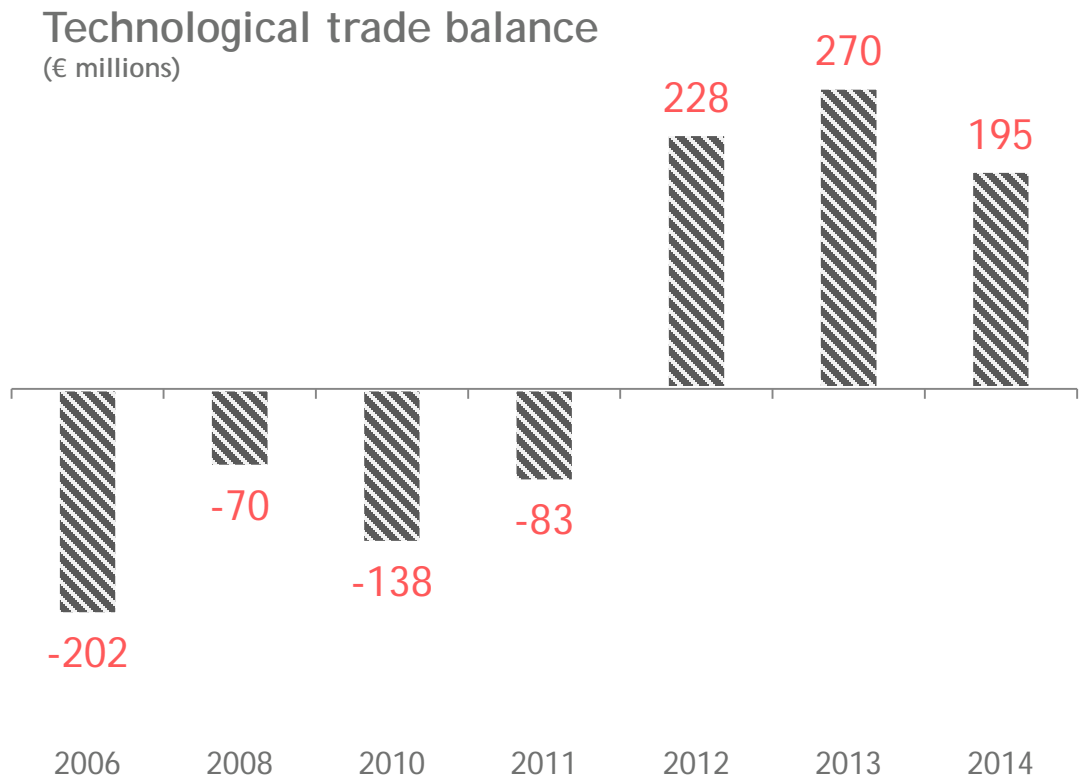
Better said - a burgeoning entrepreneurial landscape



PT more innovative - "show me the money!"

+3,8x
value 2008-14

+7,8x
R&I service
exports



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COMPETE: initial attempt to an integrated approach to R&I



European investment structural funds 2007/2013

COMPETE: collaborative R&I with sound economic impact

~55% funded projects resulted in new products

~60% o/w in launch or commercialization phase

80% o/w oriented to the global market

COMPETE: collaborative R&I improvement opportunities

+integration

of support instruments:
financial & fiscal,
national & international

+market

Pilot lines and
demonstrator projects

+openness

increased participation in
international programs and
valorization of european
projects' results by
portuguese companies

+R&I HR

Support recruiting of
highly skilled staff
(namely PhDs) by
companies

+partnership

Longer term strategic
partnerships between
companies and R&I
institutions
(roadmapping)

+simple

Simplify access to funds
and reduce process
bureaucracy

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ANI: Value creating integrative approach to the R&I cycle

incentives | services
financial/tax - internationalization - support



Portugal 2020 - Priority to R&I (6.233M€)



34% to strenghten R&I

enhanced sophistication

To qualify industry academia coloboration
and enhanced covering of the value chain

new instruments

Demonstrator | PhD in companies |
International Programs | Valorization of
european projects' results | longer term
industry - R&I instituions partnerships

Highly competitive R&D tax incentive system for companies



1 900 companies supported

1.300M€ tax credits
1997-2013

120% bonus cost of PhD staff

>5M€ tax credits for PhD
costs 2006-2013

“Champions” of R&I - largest program ever: ~80.000M€



=



Key opportunities for R&I projects



Research & Innovation Actions

Innovation Actions

Coordination & Support Actions

Fast Track to Innovation

Information & support services for applicants



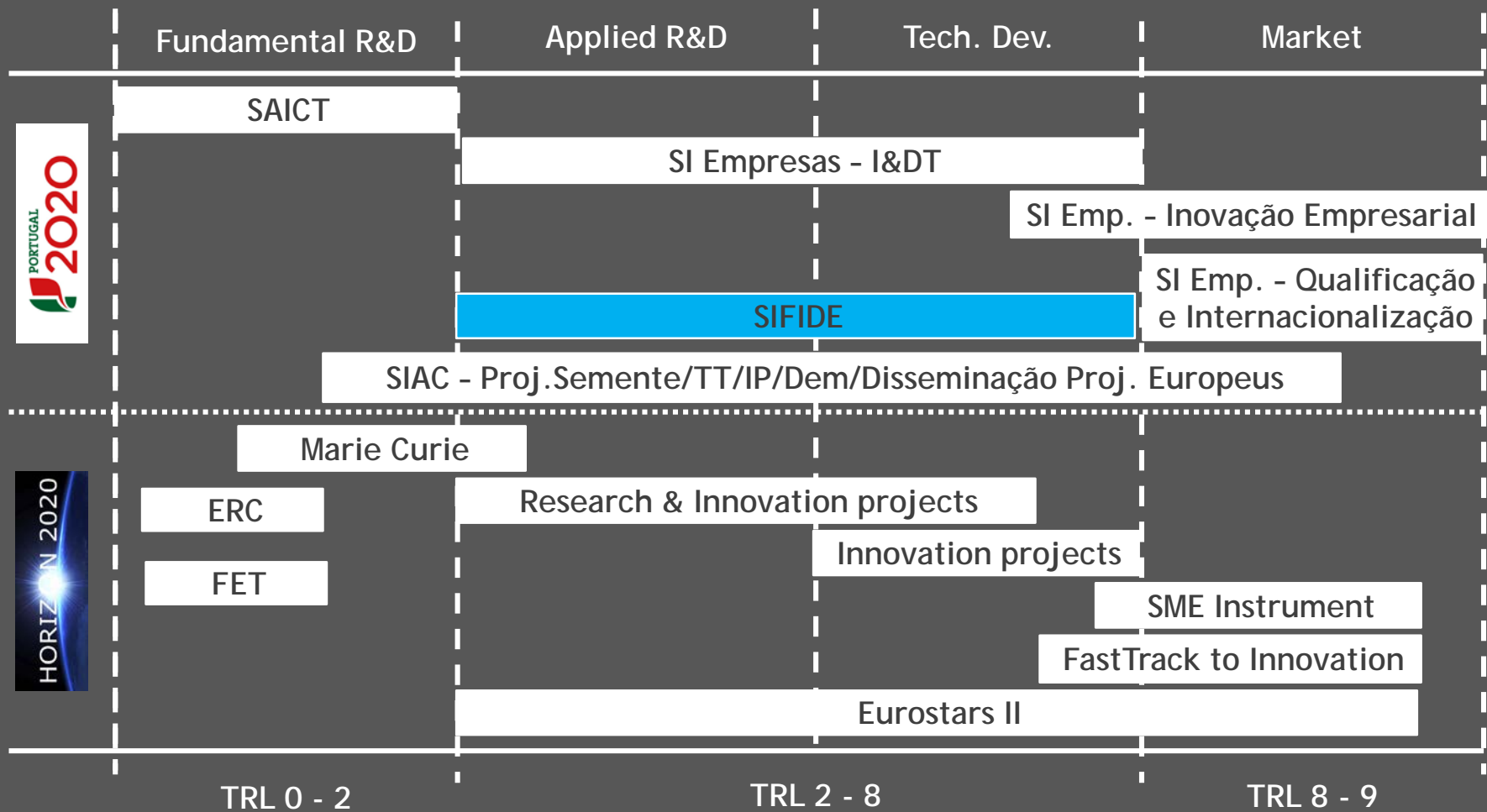
Fundação para a Ciência e a Tecnologia
MINISTÉRIO DA EDUCAÇÃO E CIÊNCIA

x3-x6

H2020 success rate
for portuguese
applications w/ ANI -
GPPQ support vs.
the rest of the
pack

KNOWLEDGE & COLLABORATIVE INNOVATION:

Opportunities towards the 2020 milestone
Integrated approach to the R&I cycle



FDI (inbound): R&I most attractive business function

>4x

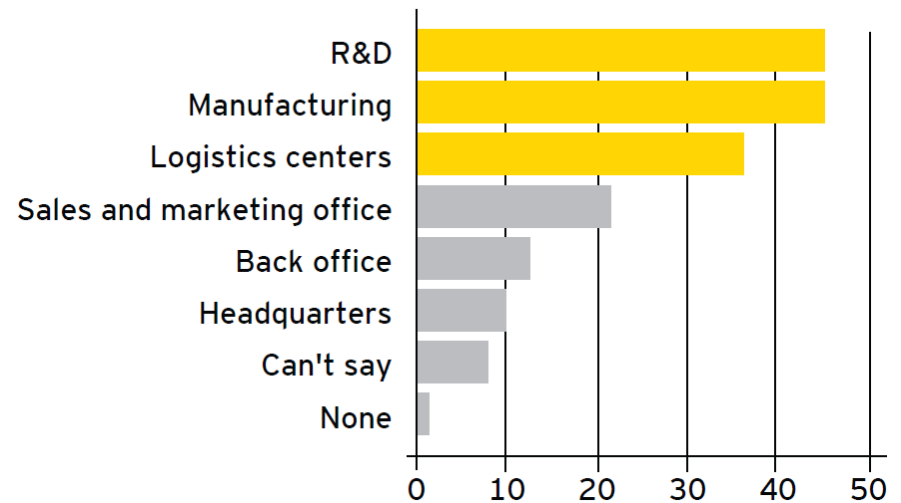
increase in FDI intentions
in R&I 2014 vs. 2013

45%

highlight R&I as the
business function to attract
largest share of FDI

R&D, manufacturing and logistics are key functions

Which business functions will attract the most investment?





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Obrigado!
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