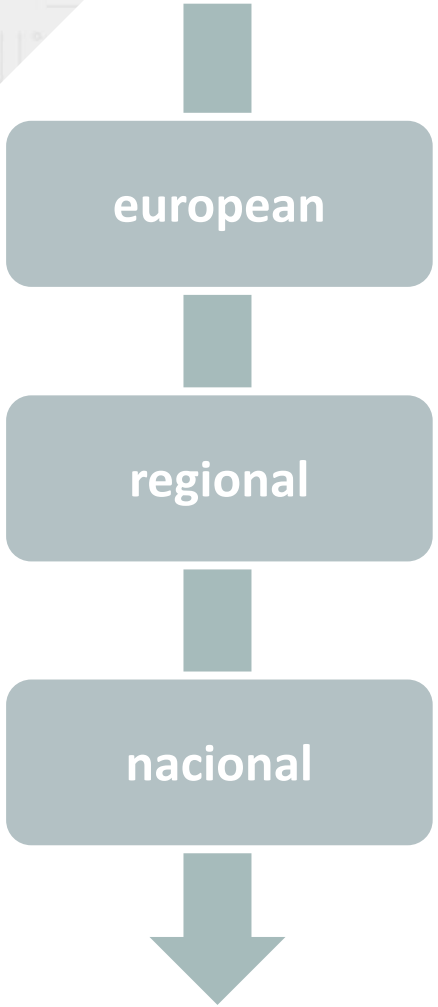
AGÊNCIA NACIONAL DE INOVAÇÃO

Setting the scene for synergies within Circular Manufacturing

landscape of strategies, initiatives and programmes

Anabela Carvalho

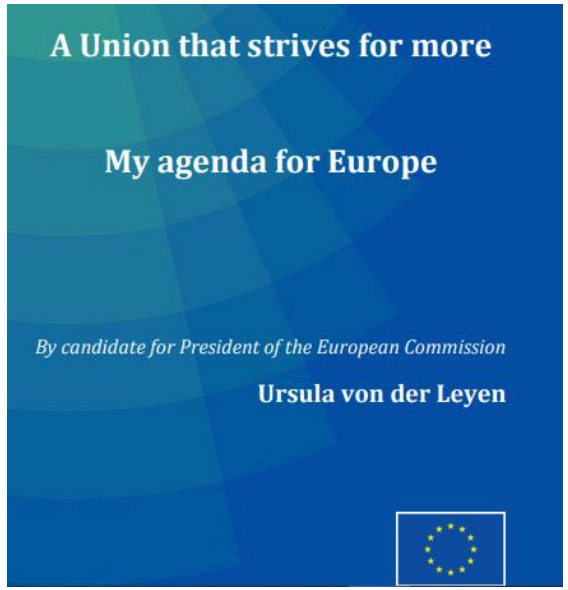
EMBRACING THE POLICY (DREAM) MIX



TIME

THE BIG PICTURE – EU POLICY CONTEXT

- **Sustainable jobs and growth**
  Boost jobs, growth and investment
- **Re-industrialisation of EU**
  towards a strong industrial base
- **Digital Single Market**
  Factories of the Future, '4th industrial revolution'
- **EU Energy Union**
  Energy-efficient Buildings, Materials for Energy, etc.
- **Circular economy**
  Boosting growth and renewing industrial capacities in a world of finite, SPIRE
- **Digitizing European Industry**
  Factories of the Future



A European Green Deal

A Europe fit for the digital age

EU STRATEGIES & INITATIVES & PROGRAMMES

EUROPEAN TECHNOLOGY PLATFORMS

MANUFUTURE-EU

ECTP
INNOVATIVE BUILT ENVIRONMENT

SUSCHEM

EUMAT

VANGUARD INITIATIVE
NEW GROWTH THROUGH SMART SPECIALISATION

H2020 R&I FUNDING

European Commission | Horizon 2020
European Union funding
for Research & Innovation

EFFRA
EUROPEAN FACTORIES OF THE FUTURE RESEARCH ASSOCIATION

SPIRE
Sustainable Process Industry through Resource and Energy Efficiency

eit Manufacturing

eit Digital

eit RawMaterials
Connecting matters

SMART
advanced manufacturing

NATIONAL POLICIES & STRATEGIES & INITIATIVES

CLIMATE CHANGE | CIRCULAR ECONOMY

RNC2050
Roteiro para a Neutralidade Carbónica

DIGITIZATION

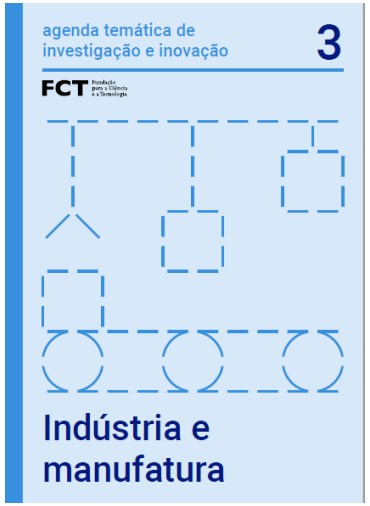
i4.0 INDÚSTRIA 4.0

PORTUGAL INCoDe.2030

NATIONAL POLICIES & STRATEGIES & INITIATIVES

Portuguese
Roadmaps
& Agendas

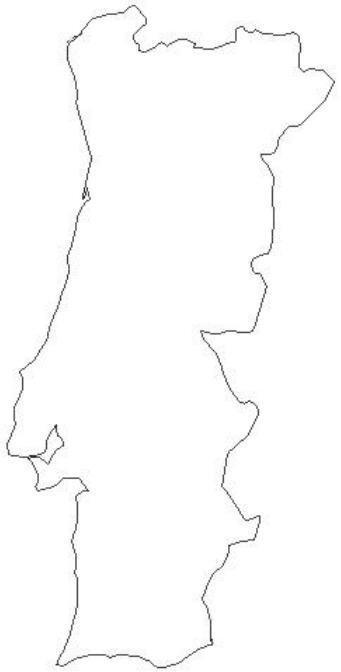
FCT Fundação para a Ciência e a Tecnologia

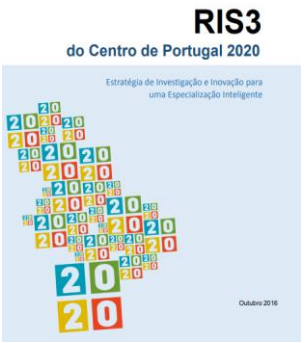


PRODUTECH

NATIONAL POLICIES & STRATEGIES & INITIATIVES

Smart Specialization Strategy (RIS3) – “smart specialization is about not only policy formulation, implementation and evaluation but also pooling scattered resources, competencies and powers to serve both shared and individual ambitions” (Sotarauta, 2018)





S3 PREPARED THE GROUND FOR SYNERGIES

Horizon 2020 + ERDF

- **Better innovation GOVERNANCE**, more academia-enterprise cooperation and improved R&I support in the countries & regions *(Stairway2Excellence pilot, Teaming/Twinning, ERA chairs, …)*
- **Interregional TEAMING UP** around related S3 priorities and preparing for transnational H2020 project consortia *(Vanguard Initiative, S3 thematic platforms, interregional S3 partnerships, MoUs with Joint Undertakings, regional innovation scheme of the EIT,….)*
- **More COMPREHENSIVE innovation approach** starts to be embraced *(research + digitisation, industrial transition, skills, structural reforms, …)*
- **Mapping of capacities** facilitates **MATCH-MAKING** *(S3 thematic platforms, Digital Innovation Hubs, KETs competence centres ….)*

S3 PREPARED THE GROUND FOR SYNERGIES

Horizon 2020 + ERDF

Sequential funding

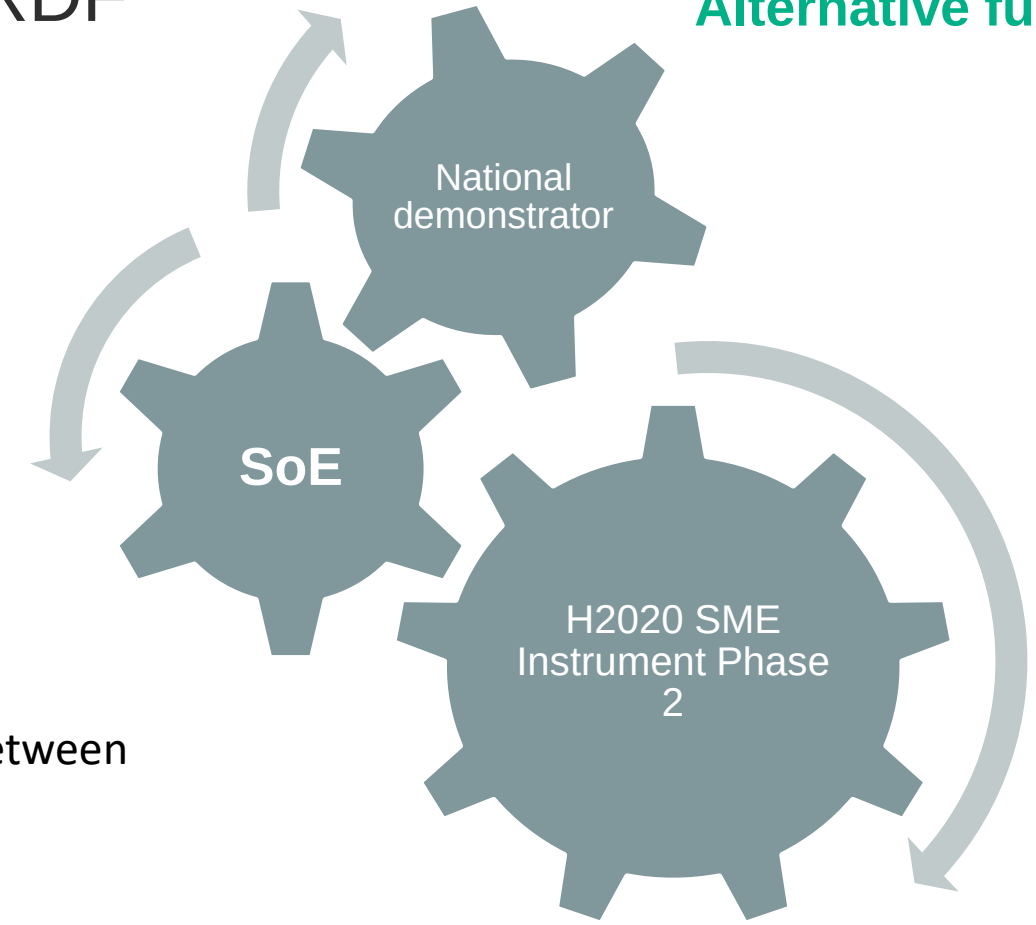
key issues - Link and/or align strategies

- better information on projects (e.g., via www.innoradar.eu, Horizon2020 Funding&Tenders Portal)
- mapping of infrastructures (e.g. ERDF supported Digital Innovation Hubs: http://s3platform.jrc.ec.europa.eu/digital-innovation-hubs-tool)
- MoUs with regional bodies (e.g. CleanSky Joint Undertaking)

S3 PREPARED THE GROUND FOR SYNERGIES

Horizon 2020 + ERDF

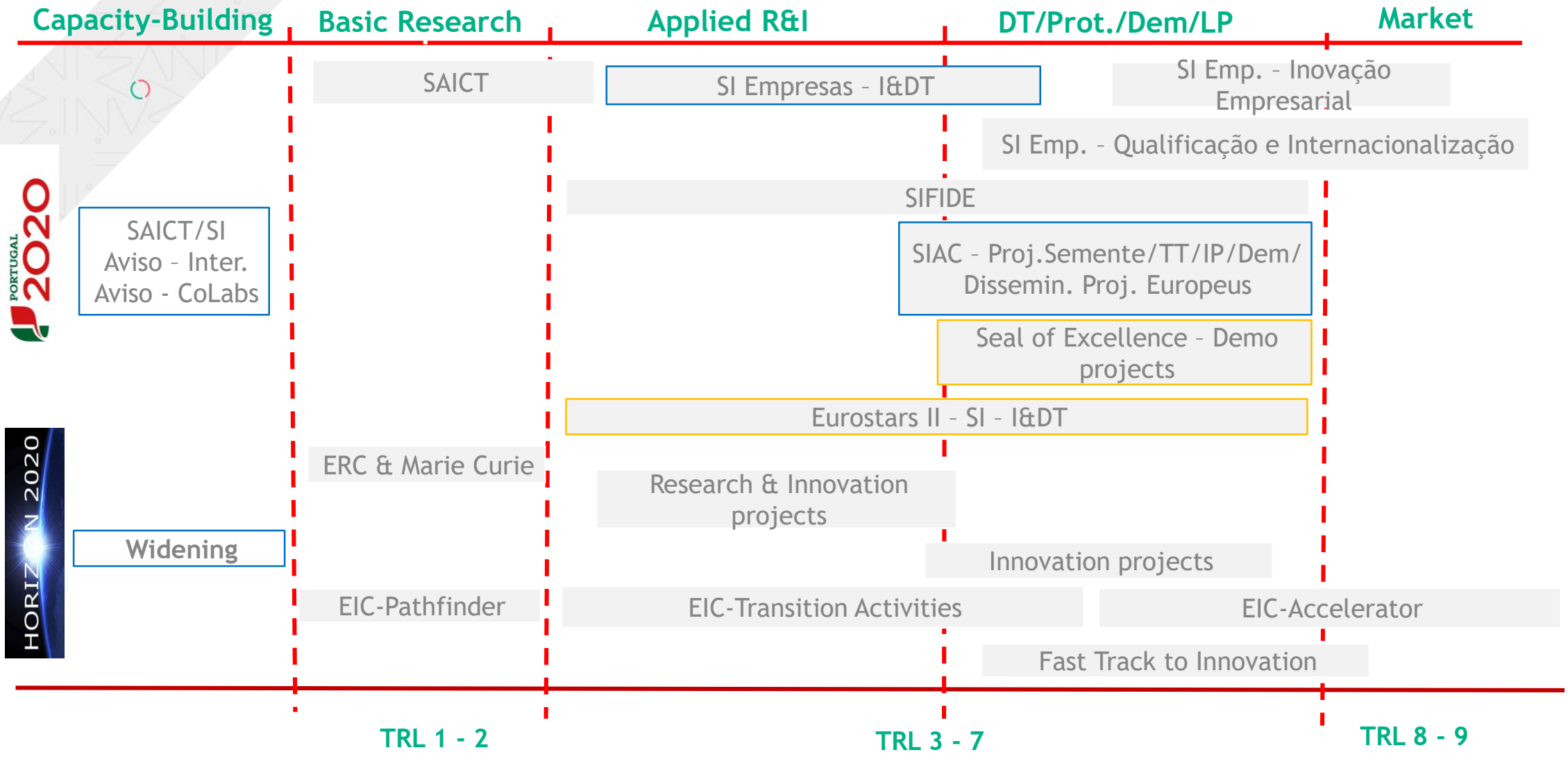
Alternative funding



Key issues

harmonized and aligned rules between programmes

H2020 AND NATIONAL FUNDING INSTRUMENTS

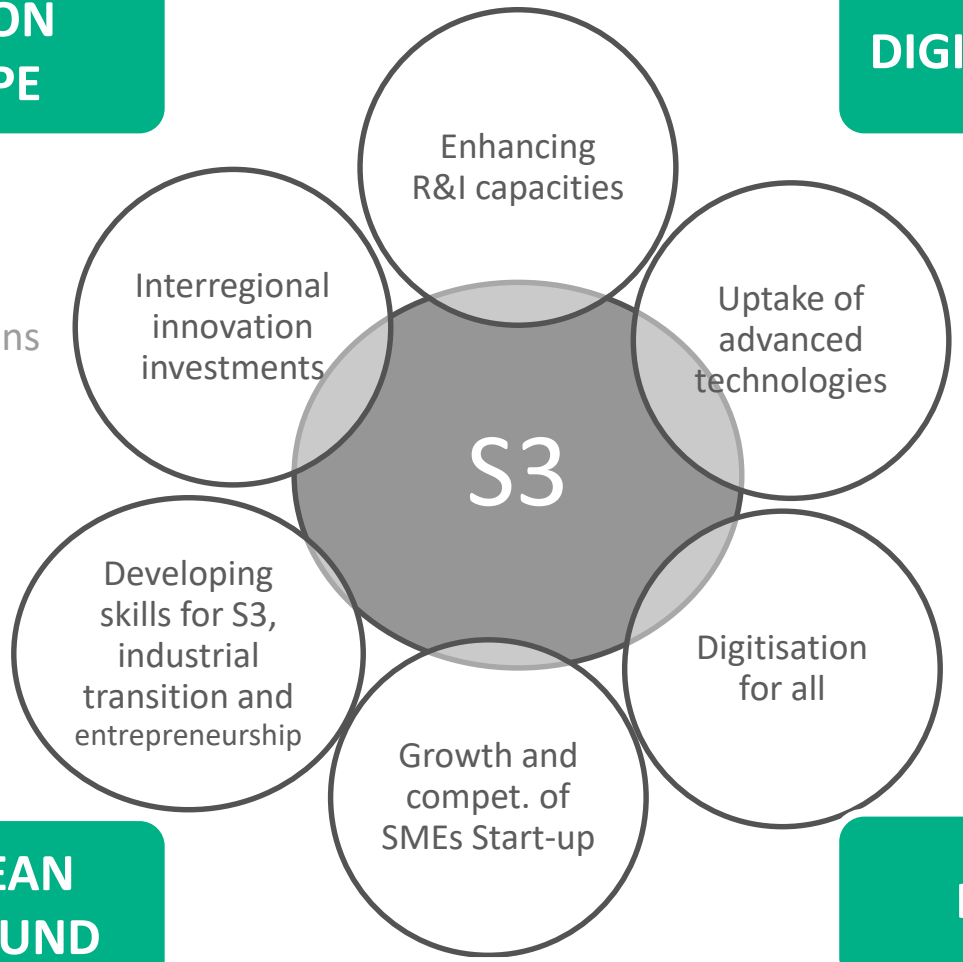


THE BIG PICTURE - CHALLENGES

HORIZON EUROPE

HE partnerships, missions
HE Clusters
EIT-KICs

DIGITAL EUROPE



Digital Innovation Hubs
HPC JU

EUROPEAN SOCIAL FUND

Strategic value chains

SINGLE MARKET

InvestEU

Adapted from EC

AGÊNCIA NACIONAL
DE INOVAÇÃO

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