



Central European Institute of Technology
BRNO | CZECH REPUBLIC

Strategy & synergies in research funding at institutional level

Case study: CEITEC Masaryk University

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Head of Grants Office

Brussels, October 11th, 2016



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OP Research and
Development for Innovation



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South Moravian Region –Introduction

- Brno – second largest city in the Czech Republic
- Self governing region without explicit powers over research

Inhabitans



Students



Researchers



3,4 % of regional GDP
is invested into R&D
(50 % private)



400+ companies
with own R&D



28 % of global production
of electron microscopes



40 % of global market
share of antivirus
producers in the region



Generations of RIS of South Moravia



2001 - 2004



2005 - 2008



2009 - 2013

Business incubation (startups)

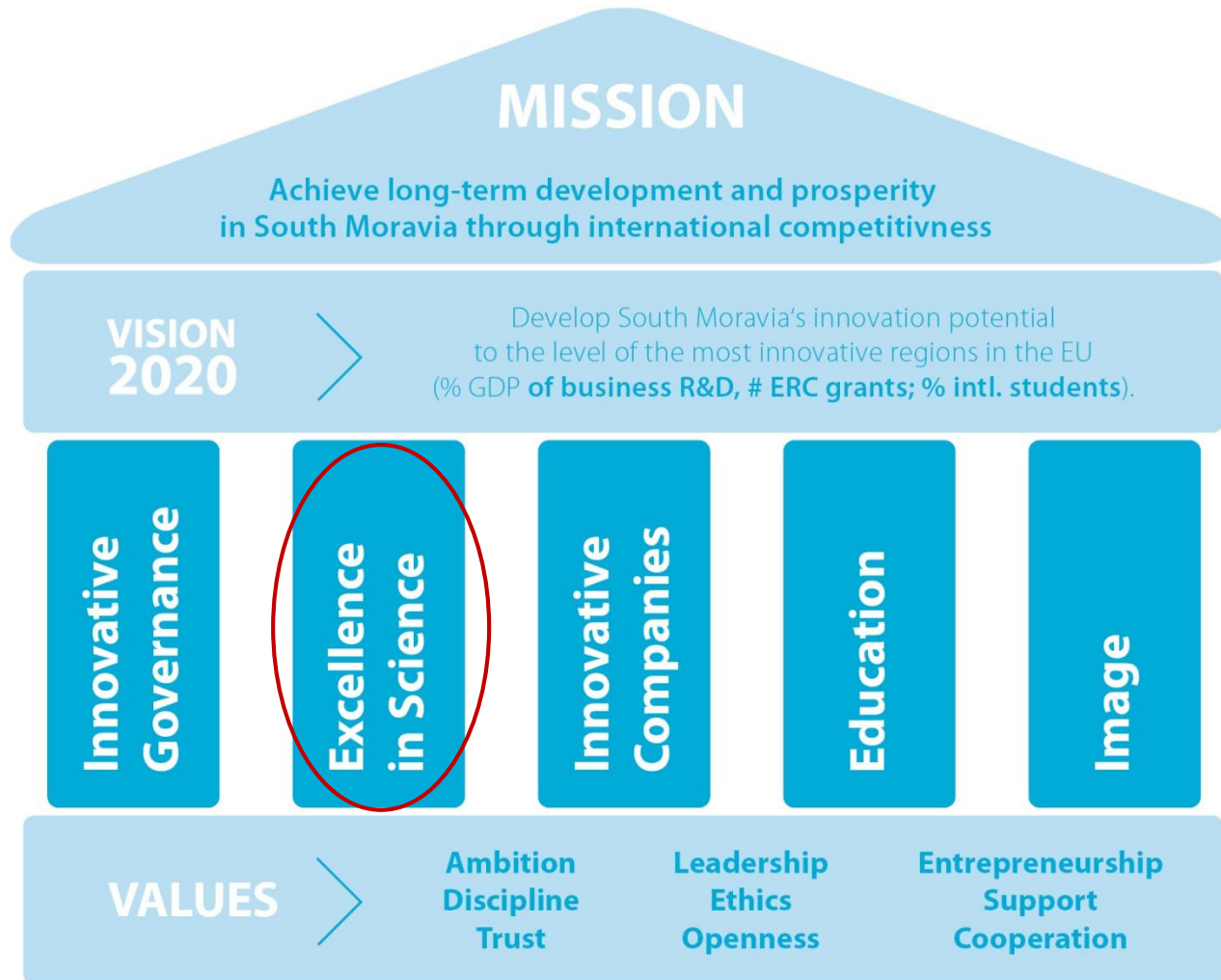
SME support

HR for R&D and innovation

New capacities for R&D



Strategic framework of RIS SM 2014-20 (= S3)

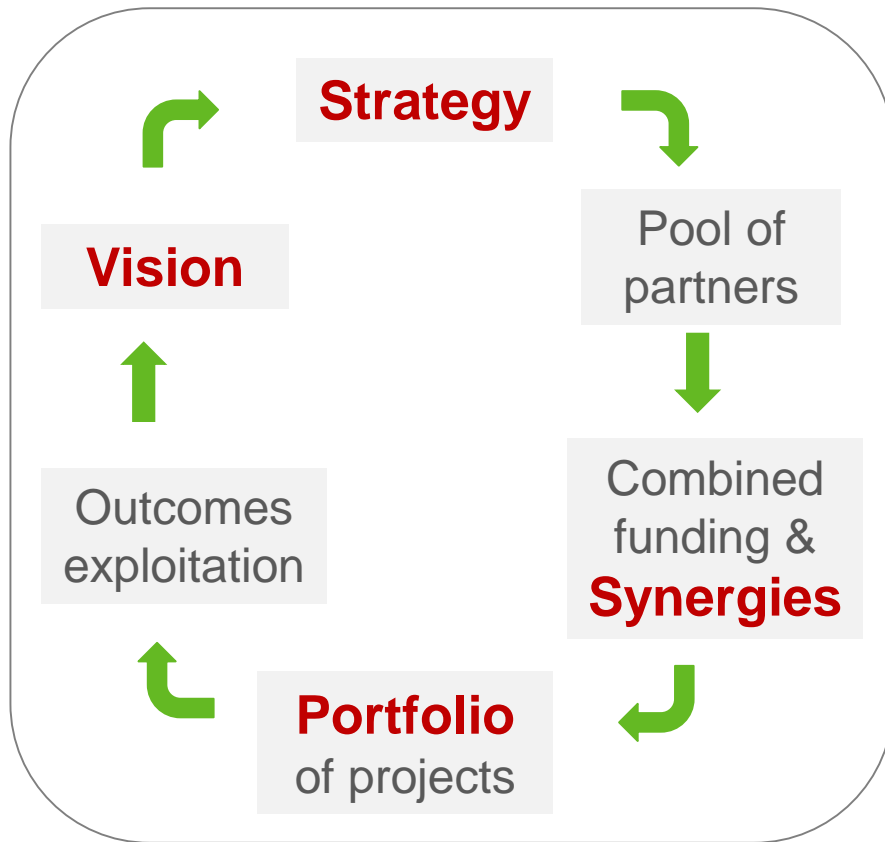
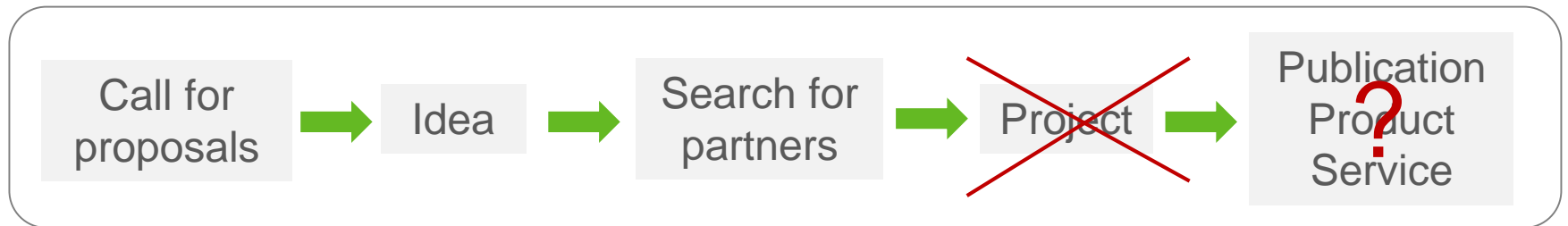


Institutional Strategy & Project Portfolio

STRATEGY



Reactive versus effective approach



- Vision, ambition, motivation
- Strategy and tactics planning
- Selecting the right and most fitting funding source – project positioning
- **Check and plan possible synergies of international, national, regional and institutional initiatives**
- Look for and create pan-European networks
- Use professional proposal preparation service

Phase I. of CEITEC strategy: Preparation for programming period 2007-2013



**Regional
consensus**



RIS2

2005-2008



CEITEC

CEITEC – Central European Institute of Technology

*CEITEC is a research centre in the **fields of life sciences, advanced materials and technologies** whose aim is to establish itself as a recognized European centre of science.*



- **6** partners
- **7** research programmes
- **60** research groups
- **Buildings** (including parcels): 61 mil. €
- **25,000 m²** of new laboratories including **10 core facilities**: 105 mil.€
- **Total budget**: 208 mil.€

CEITEC MU at Masaryk University campus



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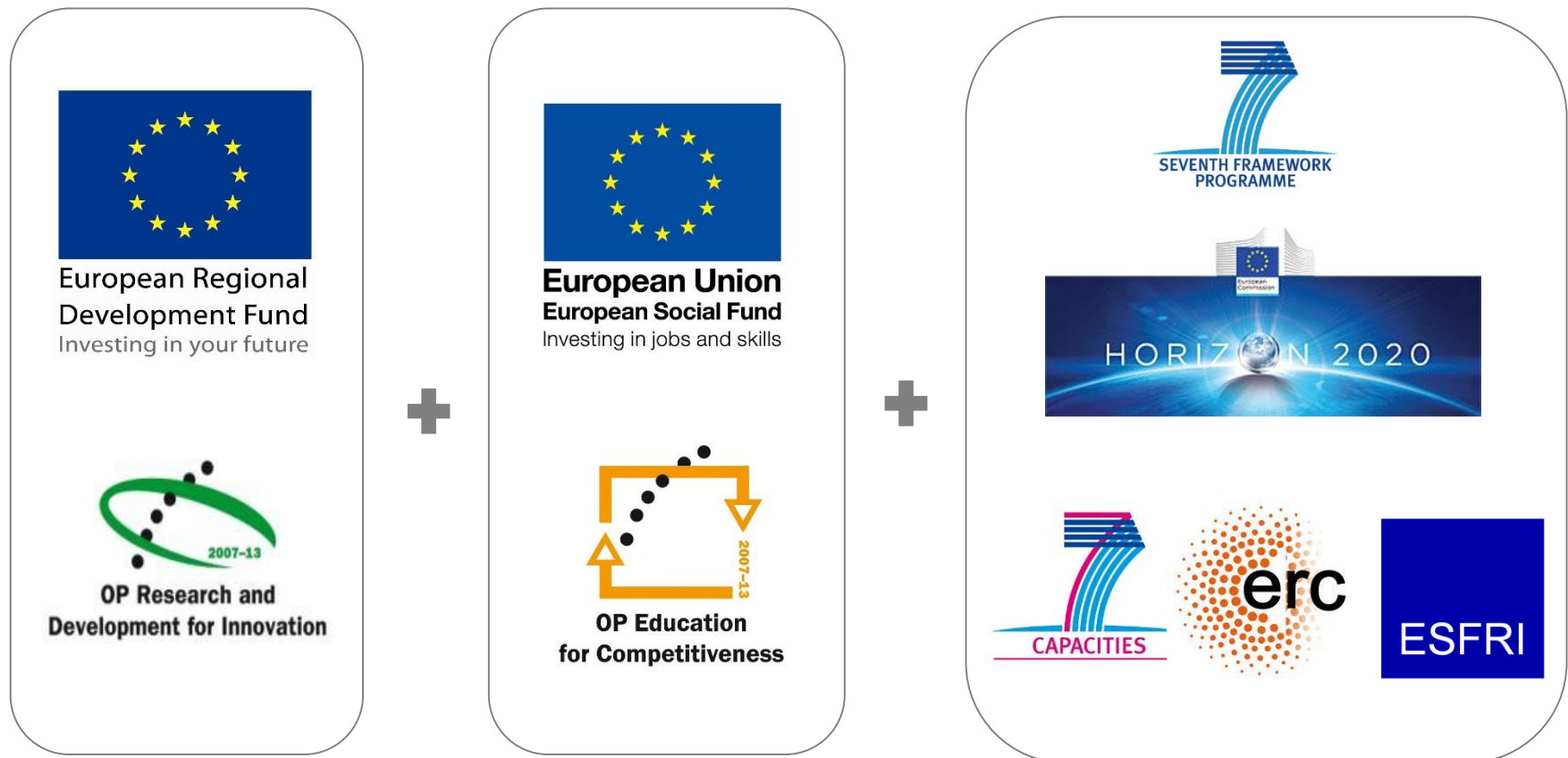
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Phase II. (2011-2015): Research Infrastructure & Capacity building



2009-2013

Synergy of European Funding





Synergy of Cohesion and Research Funding

Example: CEITEC & SYLICA

Strictly complementary funding



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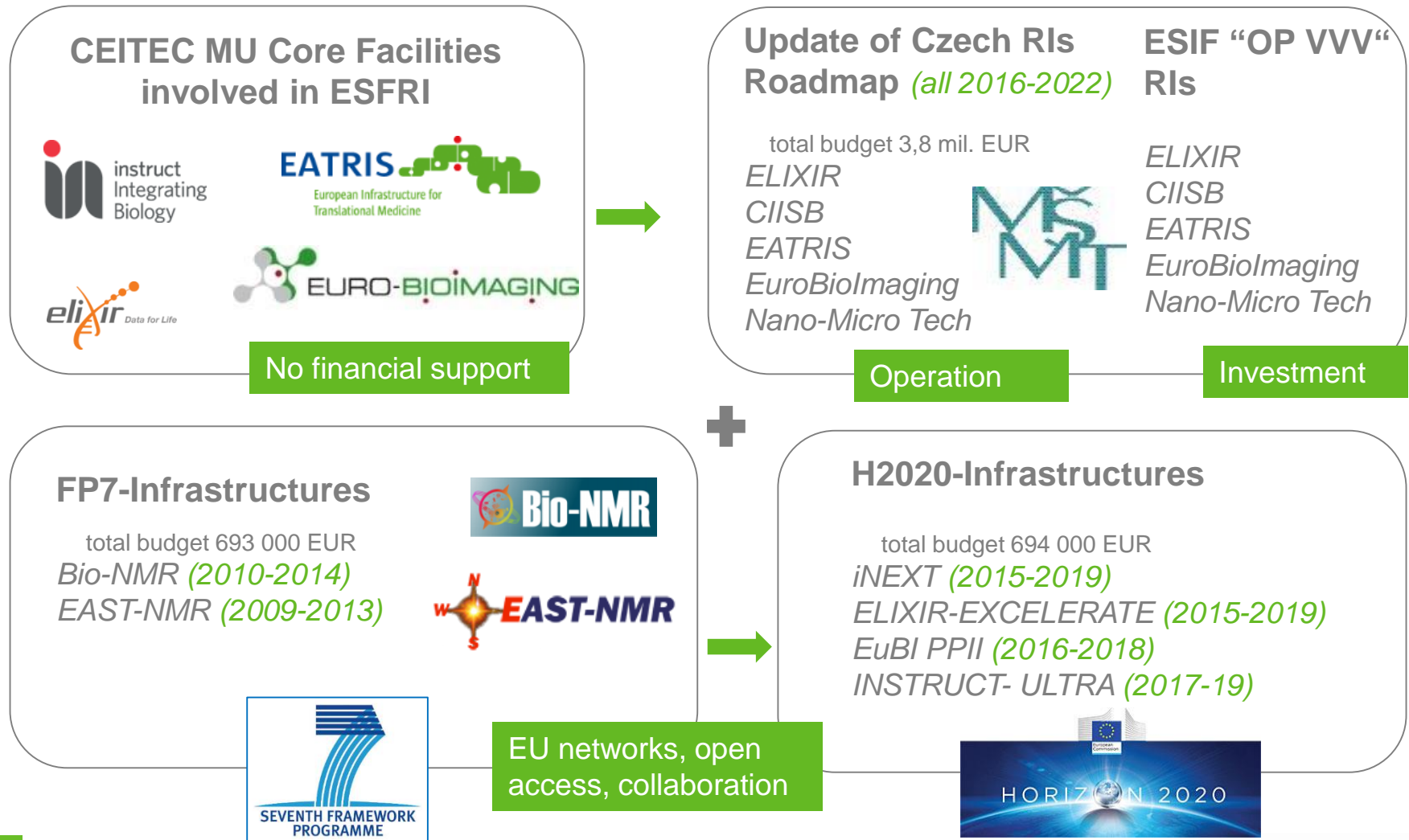
CEITEC – ERDF OP RDI (2011-2015)	EUR (mil)
Buildings (including parcels)	61
Equipment (core facilities and other laboratories)	105
Start-up grant	42
Total	208

SYLICA – FP7 Capacities (2012-2015)	EUR (mil)
Personnel cost (incoming researchers)	2.7
Travel and subsistence	0.9
Miscellaneous cost (international conferences)	0.1
Indirect cost	0.3
Total	3.928

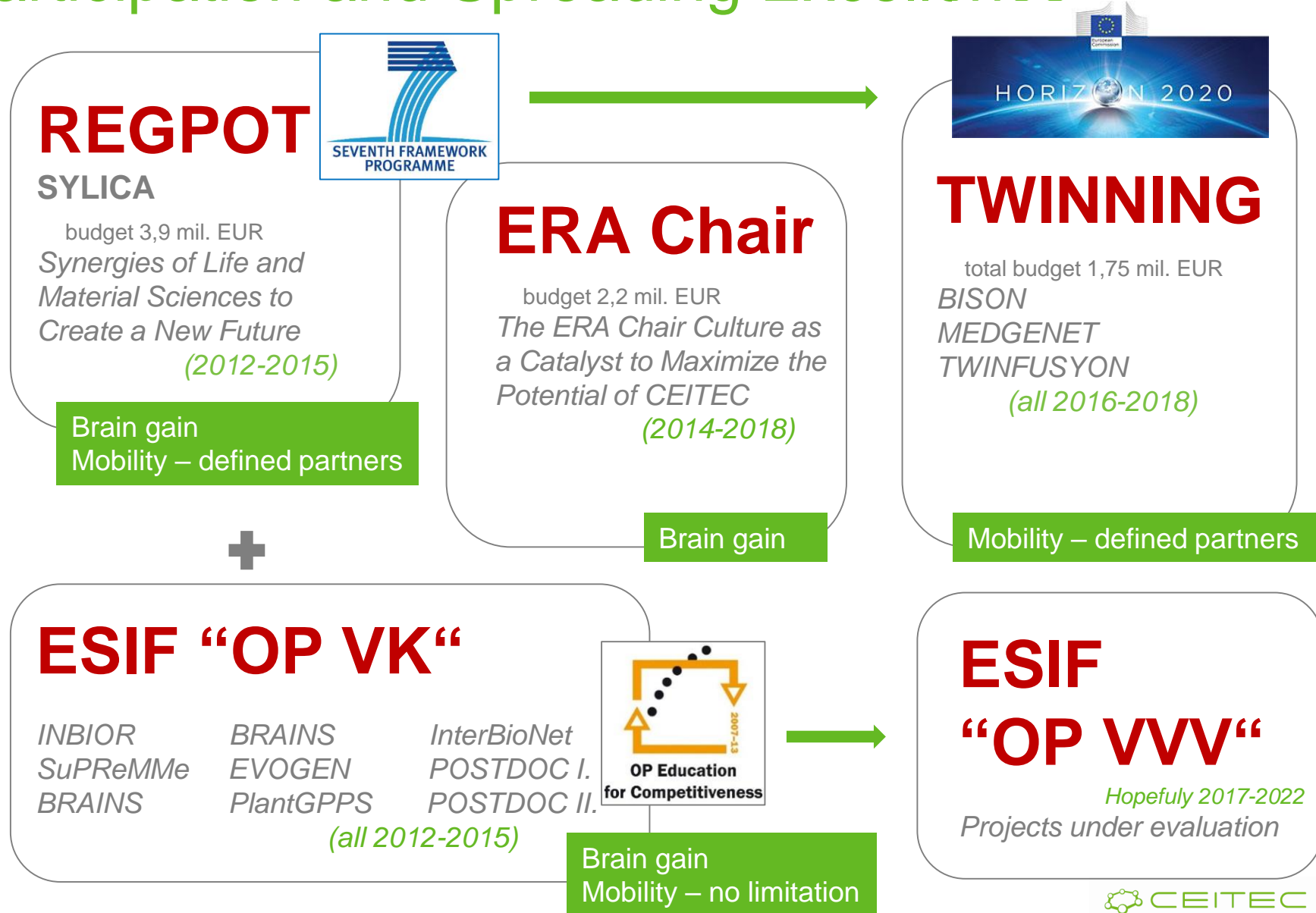


Example: Research Infrastructures

ESFRI + FP7/H2020 + Czech RIs Roadmap



Example: Capacity building & Widening participation and Spreading Excellence



Examples: Most prestigious research grants: FP7 + H2020 + EMBO

Pillar 1: Excellent science

FP7-ERC-StG

budget 1,9 mil. EUR

Pavel Plevka

PicoStructure (2013-2016)



H2020-ERC-CoG

budget 1,4 mil. EUR

Richard Štefl

DECOR (2013-2016)

Individual



EMBO

Installation Grants

total budget 600 000 EUR

Lukáš Trantírek (2012)

Karel Říha (2013)

Pavel Plevka (2014)

Peter Lukavsky (2014)

FP7-MSCA

total budget 892 000 EUR

6 Career Integration Grants

2 Individual Fellowships:

Alexander Petrov (2014-2016)

Klára Marečková (2015-2017)



Individual

SoMoPro MSCA COFUND

total budget 2 mil. EUR

11 Fellowships : Robert, Říha, Micale, Zapražná, Manakhov, Hritz, Jackson, Trantírková, Foroutannejad, Khainar, Mráz

H2020-MSCA

total budget 403 000 EUR

ITN ALKATRAS (2015-2019)

RISE MICROBRADAM (2016-2018)

Consortia – networks

Pillar 2: Societal challenges

FP7-HEALTH

total budget 815 000 EUR

NGS-PTL (2013-2015)

ncRNAPain (2013-2017)



H2020-HEALTH


total budget 135 000 EUR

APERIM (2015-2018)



Consortia with application partners





Using Synergies for the new Programming period 2016-2020

Phase III. (from 2016): Research excellence and sustainability

RIS>4 2014-2020

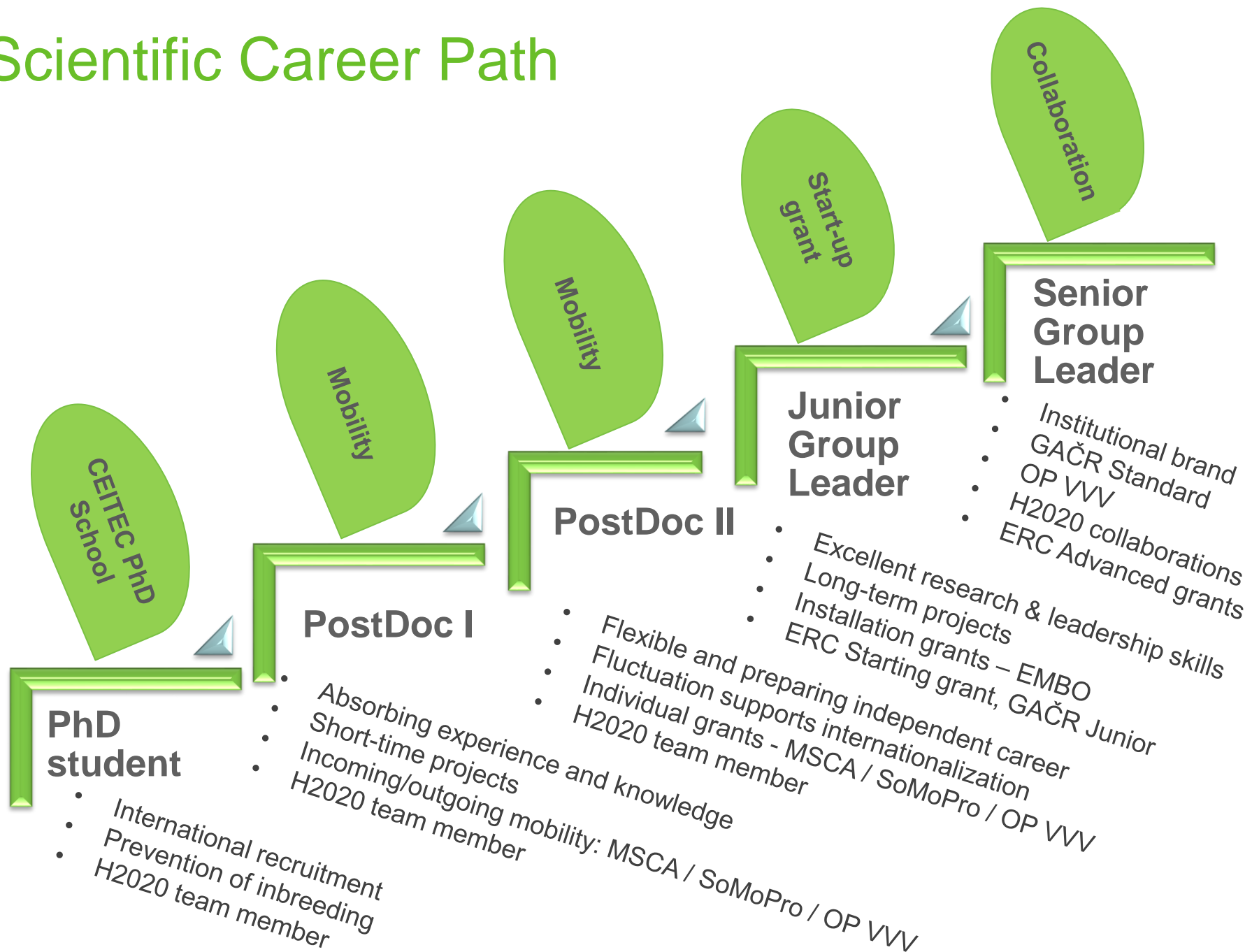
Synergy of EU and national funding





Translating Synergies into Researcher's Strategy and Career Plans

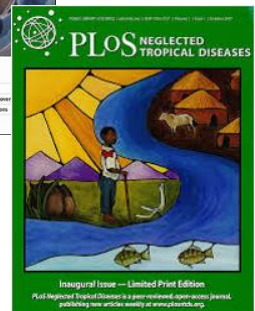
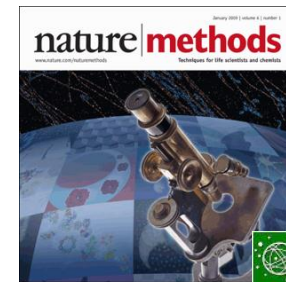
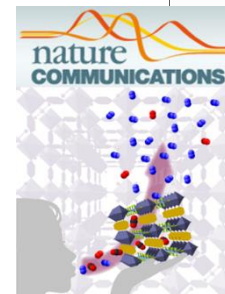
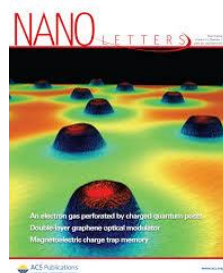
Scientific Career Path



Conclusion

- Strong, stable **political commitment**, RIS governance **structures** (→,protected' space)
- Keeping strategic focus and **result-orientation**, using strategy to form **Project portfolio**
- **Best people** on board, professional project support service provided by the **Grant Office of CEITEC MU**
- **Create opportunities** based on researcher's career stage
- **Grants are just an instrument**

Good science is the goal!



Thank you for your kind attention!



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