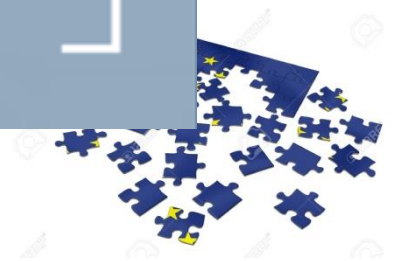
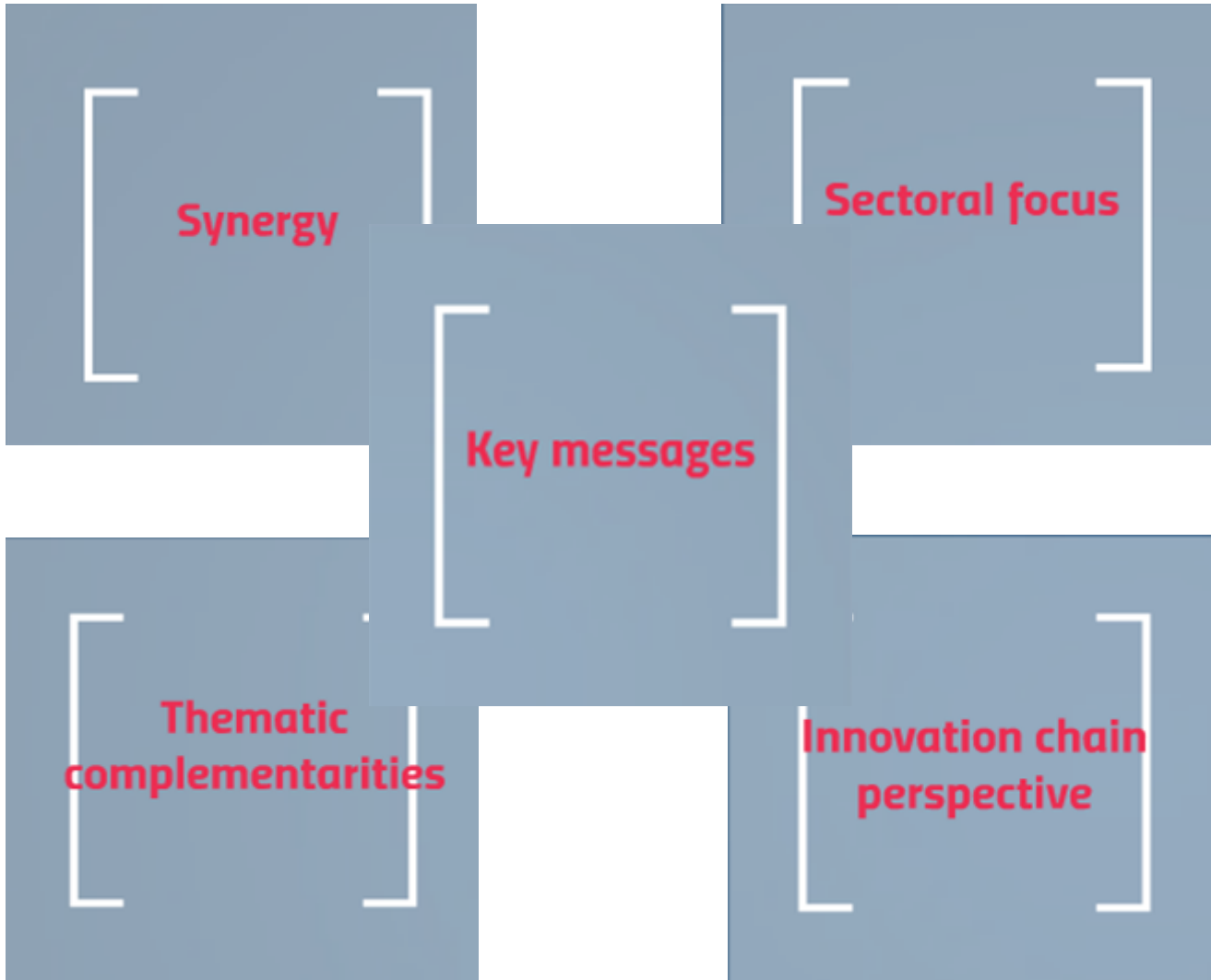


# Building synergies and complementarities in the use of EU funding sources

*Corina Pascu*  
*EU Technology Analyst*



## The potential for Romanian innovation system



# Synergies

Definition : " The interaction or cooperation of two or more organizations, substances, or other agents to produce a combined effect greater than the sum of their separate effects" (from Greek word synergia from synergos, meaning "working together") *Oxford Dictionary*

The concept of synergies has its most visible form in the combination of different funds (scarcity of public resources)

The mix of EU funds = Bringing together many different worlds! (different aims, nature, rules, eligibility criteria and timeframes) but It is more than just combining funds !

Smart Specialisation – space of opportunity for exploration of strengths and weaknesses in innovation (scale, scope and spillovers in knowledge production and use)



# Methodological issues

- “Status-quo” of sources and mechanisms dedicated to innovation and entrepreneurship in the 2014-2020 in Romania *e.g. H2020 and other EU programmes, OPs, EFSI, Regional strategies for S3, SNCDI and RIS3*
- Synergies & Complementarities in terms of thematic objectives, type and sequence of financing, sectorial and territorial allocation, types of beneficiaries and approaches on innovation cycle
- Research questions:
  - What are the objectives aimed by the innovation and entrepreneurship funding instruments and to what extent do they act in synergy or disparately in reaching those goals;
  - Unsupported or insufficiently supported areas by the instruments dedicated to innovation and entrepreneurship and why;
  - Policy options and their respective implications for the innovation ecosystem in the 2020 horizon.



# Thematic complementarities

## R&D&I

- **National RDI Plan (NP III)**: Support for fundamental and frontier research complementing **ESI Funds (OPC)** targeting support for applied research and innovation in business
- Synergy will also be ensured through common RDI actions with complementary eligibility criteria (Partnership Agreement)

## Research Infrastructures

- **OPC** - Support for major projects (ELI NP, Danubius RI) and investments in infrastructure by research institutes/ R&D departments/ innovation clusters
- **NP III** - Investments for public R&D units with multiple users from the private sector and economy.

## Synergies with international R&D&I programs

- **OPC** - synergies with the R&D&I actions of HORIZON2020 (ERA Chairs, teaming projects, support for drafting proposals to Horizon2020 and other international programs)
- **NP III** "International" Programme - co-funding for Horizon2020 programs and support Romania's participation in major international R&D&I programs

## Private investments in R&D&I

- **OPC** - targets the innovative enterprises (including spin-offs & start-ups); access to financial instruments
- **NP III**, the "Thematic R&D" Programme - targets public and private R&D units, while enterprises can only be involved to provide co-funding

## Knowledge and Technology Transfer

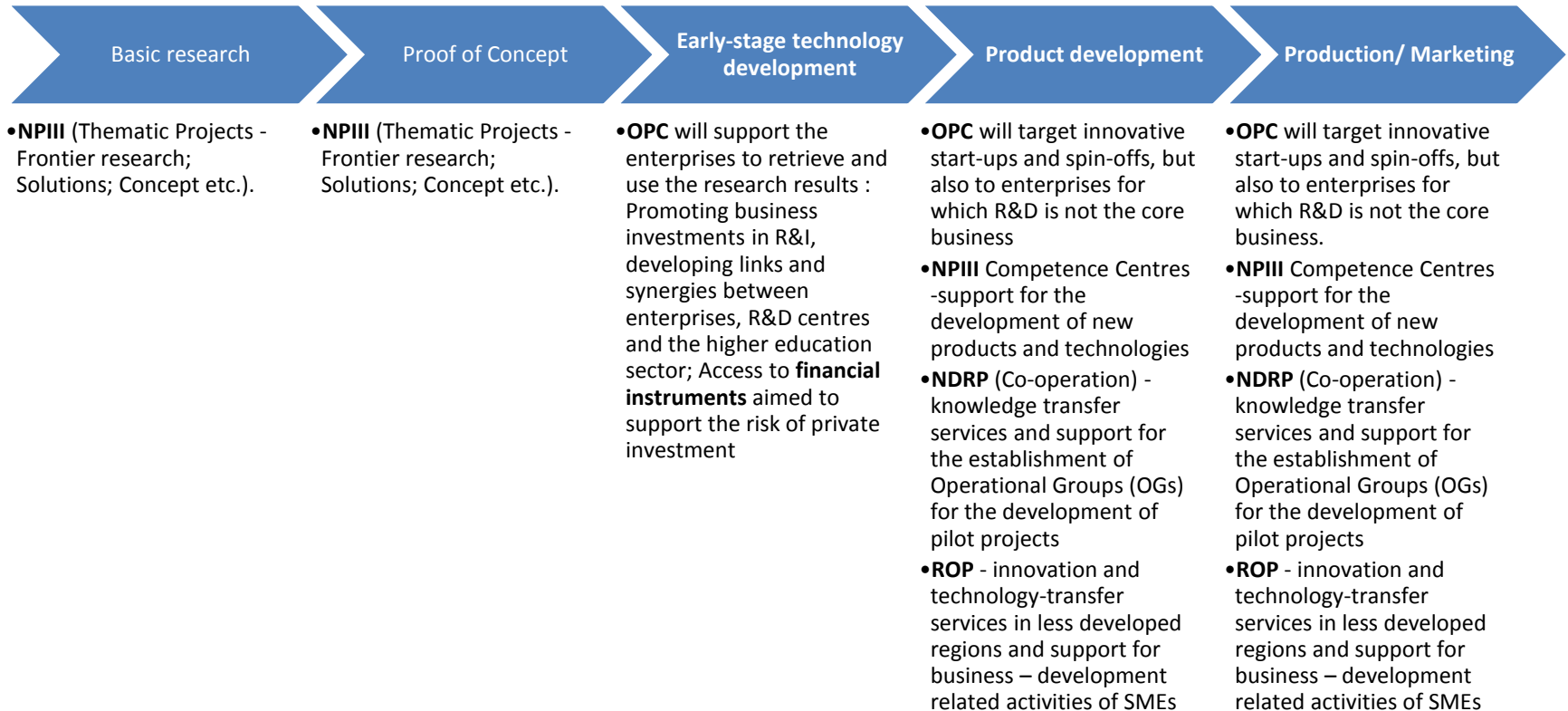
- **OPC**, the "Knowledge Transfer Partnerships" action - support to R&D units (applicants) and the enterprises
- **NP III**, "Competence Centre" action - support for partnerships between universities/ R&D units and enterprises to develop new products and technologies
- **ROP – PA1** - support for innovation is offered by the technology-transfer units financed

Source: Author's own elaboration based on Pascu.C &all, CEROPE 2015

Legend: NP III- National Plan for R&D&I 2014-2020; OPC -the R&D&I component of the OP Competitiveness;



# Innovation chain perspective

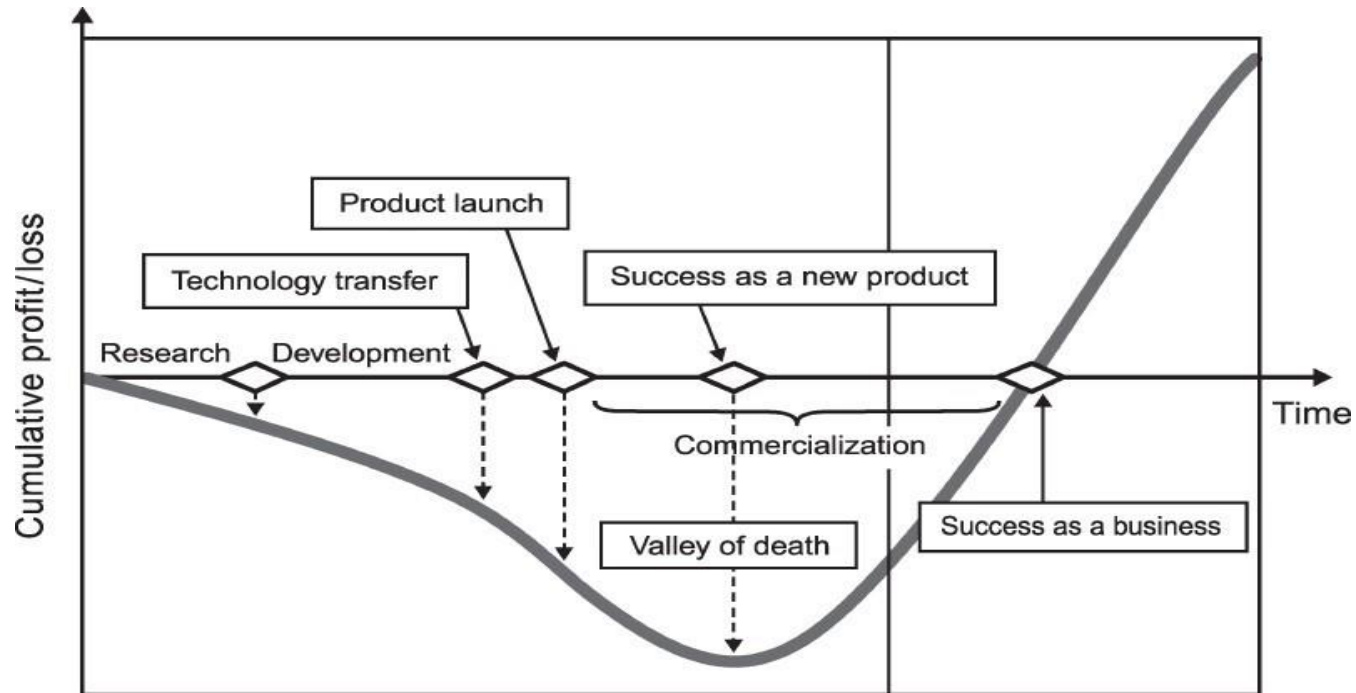


Source: Author's own elaboration based on Pascu.C &all, CEROPE 2015, Innovation value chain - Branscomb LM, Auerswald PE (2002)

Legend: NP III- National Plan for R&D&I 2014-2020; OPC -the R&D&I component of the OP Competitiveness; NRDP - The National Rural Development Programme; ROP- Regional OP



# The "Valley of Death"



Source: Osawa and Miyazaki, 2006



# Key messages

The development of Romanian R&D&I should be seen in the global context

The internationalization of R&D&I should be prioritized in funding approaches, to create a critical mass of internationally relevant capacity

Strategic approaches to market entry/exit to support critical mass of market innovators

Foster the R&D&I capacity at the local level to activate local policy-making “cells”

The Entrepreneurial Discovery Process to activate the contribution of all relevant stakeholders

The need for coordination and communication (no more “silos”)





# Thank you!

The tale of the sleeping giant, excited goblins (high tech clusters) and a few hungry dwarfs (the Long Tail of small firms )

*Prof. Dominique Foray*



The Hobbit™

NO “Café para Todos”

Coordination & Cooperation

