

# **Towards the Romanian Strategy for Research, Development and Innovation 2014-2020**

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## **The context:**

- Romania is about to complete a strategic cycle 2007-2013
- European Research Area is undergoing a (5 points) reform
- the need to correlate the national strategy with regional need / potential

## **The National Research, Development and Innovation Strategy, 2007-2013**

Vision: **The RDI system** will be the engine for the development of the Romanian knowledge society, with the capacity to sustain performance through innovation in all areas contributing to the welfare of the citizens, while reaching scientific excellence recognized at the international level.

Result: We developed and consolidated **the RDI “engine”**, but we need a proper and efficient “gearbox” to transfer the RDI power to the economy and society.

Dominique Foray et al., 2009, “**Smart Specialization** – The Concept”,  
Knowledge Economists Policy Brief No.9

“... entrepreneurial process of discovery that can reveal *what a country or region does best in terms of science and technology*. That is, we are suggesting a *learning process* to discover the research and innovation domains in which a region can hope to excel.”

Russell Lincoln Ackoff (1919-2009) : **Doing the right thing**

- The more efficient you are doing the wrong thing, the wronger you become
- It is much better to do the right thing wronger than the wrong thing righter
- If you are doing the right thing wrong and correct it, you get better

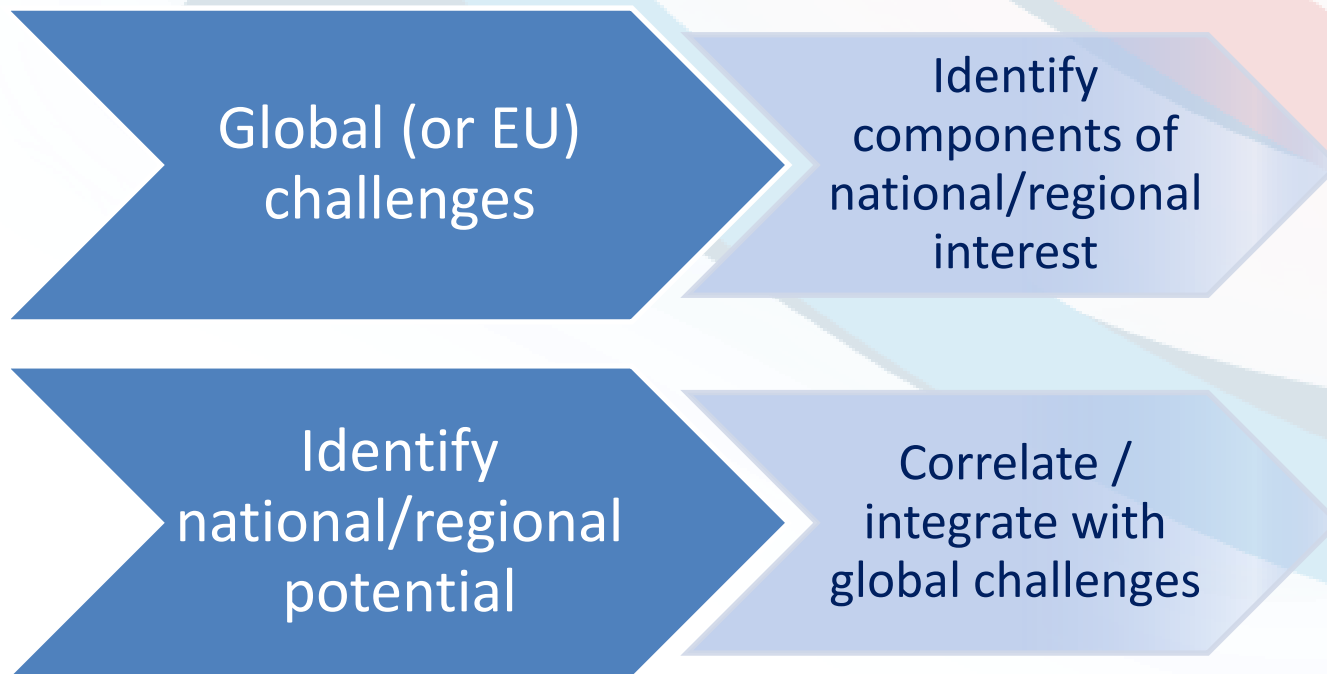
## How can we focus the resources in the right direction?



## **We are building on:**

- established or emerging development poles  
(e.g. Extreme Light Infrastructure)
- unique natural capital and scientific background  
(e.g. Danube – Delta – BlackSea)
- rich natural resources  
(e.g. excellent farmland, mineral resources)
- human resources with proved potential  
(e.g. researchers with international visibility and recognition)

## Global / national / regional challenges





## The methodology: systemic and adaptive foresight

### □ Systemic

- approach the whole RDI system, on national and regional coordinates
- consider the plethora of players and societal needs, as well as the RDI system capacities

### □ Participative

- national and regional players
- weight the players with respect to their skills and involvement

### □ Adaptive

- involve the decision-makers in the key stages of the process

### □ Forward oriented

- establish a reasonable time schedule for Romania (with an eye on the European strategies periodicity)
- consider the factors of change (lack of certitudes, even faint signs)
- develop alternative scenarios and test their robustness

### □ Systematic

- include elements of gathering information, procedures for identifying the participants, expert panel procedures, broad consultation

### □ Looking for decisions

- assume the best options and mobilize/motivate the key players
- define implementation instruments (e.g. financing model)

## **“The National Strategy for Research, Development and Innovation 2014-2020”**

### **The strategy document should include**

RDI vision for 2020 and the corresponding strategic objectives

Identified priorities (society and economy needs, sectors with large high-tech added value, main coordinates for international cooperation, legal framework)

Directions for “smart specialization” and their comparative advantages

Policies portfolio, road maps

Institutional structure / governance

Operational instruments for financing, monitoring, and assessing the strategic objectives

## Key documents to be presented at CNCI2013

### The strategy package

National strategy for RDI, 2014-2020

National plan for RDI, 2014-2020  
(main implementation instrument)

Consolidation of the research, technological development and innovation, 2014-2020 (structural funding)

Calendar for the project

**“The National Strategy for Research,  
Development and Innovation 2014-2020”**

Timestamp	Date
Tender announcement	Nov. 09, 2012
Letters of interest	Nov. 19, 2012
Sending the requirements	Nov. 23, 2012
Receiving proposals	Dec. 03, 2012
Proposals evaluation	Dec. 04, 2012
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Signing the contract	Dec. 20, 2012
Contract deadline	<b>Oct. 16, 2013</b>

We invite you to the National Conference on Research and Innovation CNCI2013, to present

**“The National Strategy for Research,  
Development and Innovation 2014-2020”**