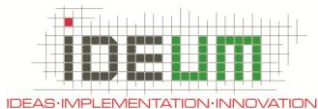


Monitoring and Evaluation of RIS3

Concept for BSC application in monitoring of RIS3 of Castilla y León and its Plans:

INFRARED Plan – BSC objective map and indicators



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*KNOW-HUB Training Session
for policy makers and practitioners
Bilbao, 18th November 2014*

Content

- The INFRARED Plan at a glance
- BSC objective map for INFRARED Plan
- Set of indicators for the BSC objective map – an example
- Contribution of INFRARED objectives to Roof BSC of RIS3 CyL

The INFRARED Plan – overview (1/3)

➤ Targets

Overall target

To create a network of scientific and technological equipment shared between the public universities of Castilla y León.

Specific targets

1. Facilitate the researchers the access to existing infrastructures.
2. Increase efficiency of the public funds assigned to research equipment.
3. Align the research production with the business needs.
4. Increase the technology offer of the universities, including complementary services as consultancy.
5. Avoid redundancy and replication in the acquisition of research equipments.
6. Foster the collaborative research among different universities.

The INFRARED Plan – overview (2/3)

➤ Project description

The INFRARED Plan is an initiative that involves, in a first stage, the four public universities of Castilla y León, to sign an agreement of collaboration on the next subjects:

1. Sharing their recently owned scientific equipment.
2. Jointly decide new acquisition of scientific equipment, based in a holistic analysis of meeting needs at regional scale, overcoming the individual requests and avoiding duplicating expenses in new or existing equipment.
3. Implementing common systems of maintenance service and repair to get scale economies.
4. Offering a common catalogue of scientific products and services in a web site where potential clients (scientists or companies) can address to meet their scientific needs.

In further stages, new public research regional entities will be offered to participate in this project.

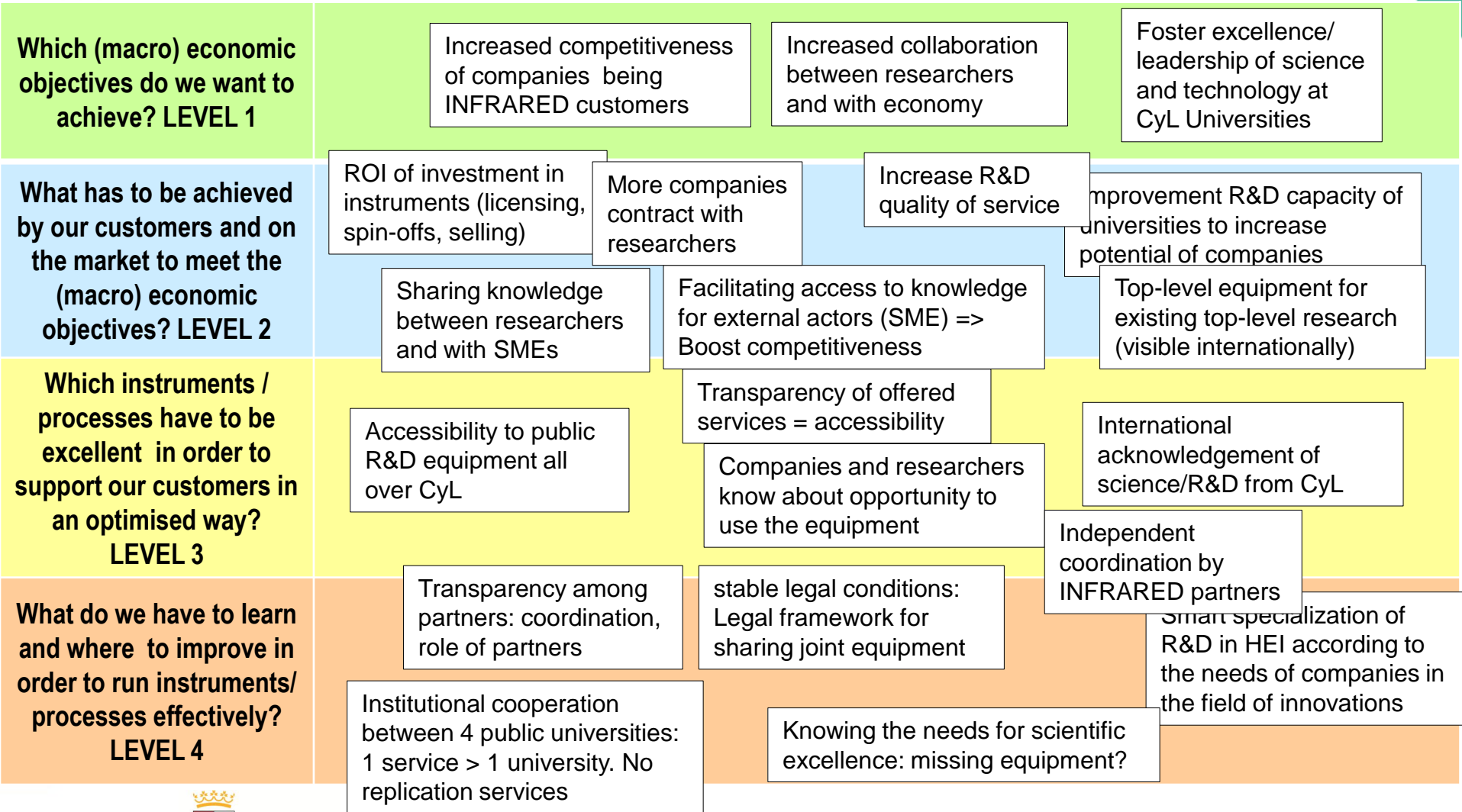
The INFRARED Plan – overview (3/3)

Time frame for implementation

- Start : Oct. 2014
- End : Beyond 2020
- Responsible organisation:
DG of Universities and Research, Government of Castilla y León.
- Budget per year: approx. 1,8 M€

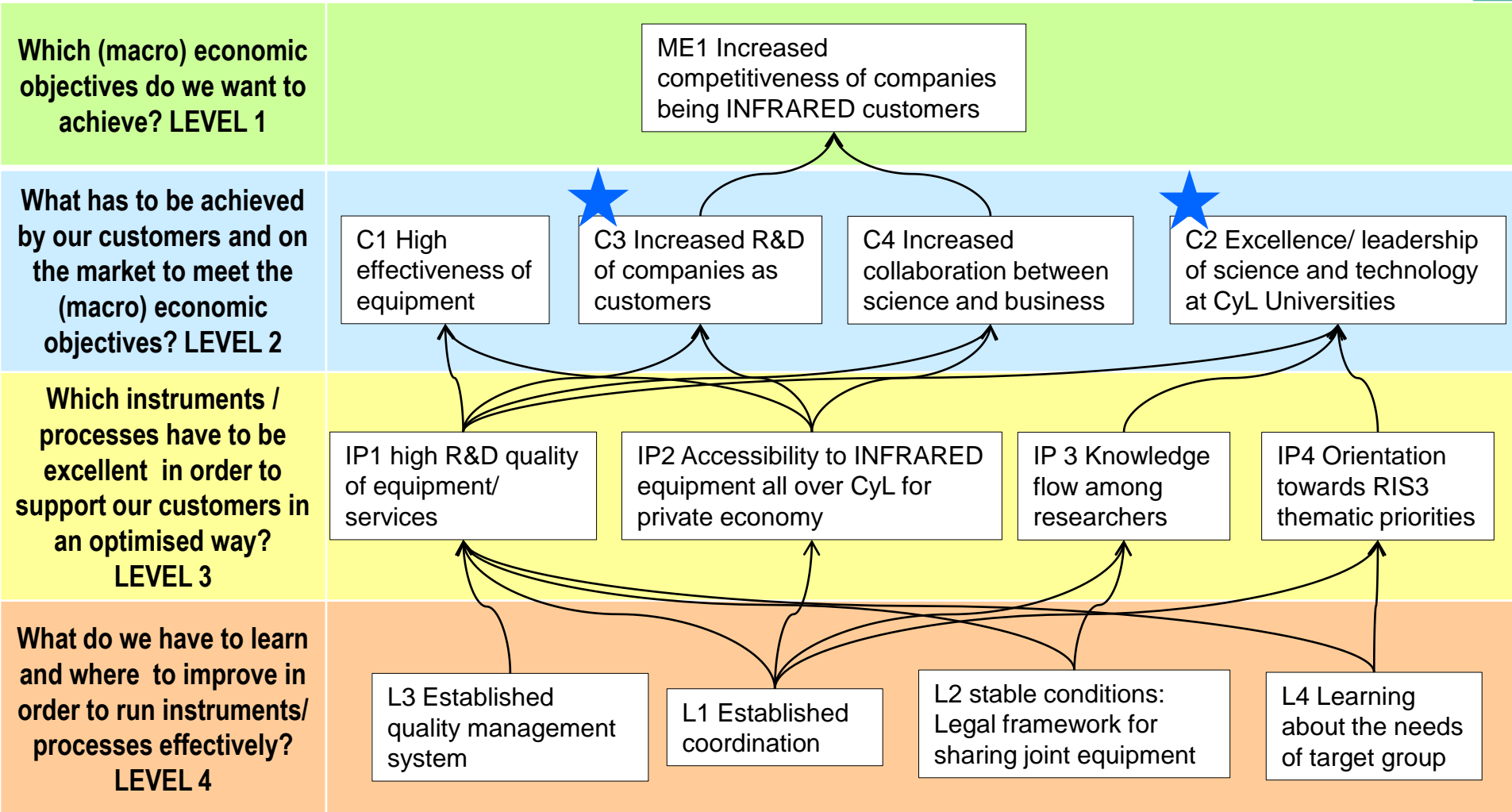
INFRARED Program: BSC Objective Map – first brainstorming

(April 2014)






INFRARED Program: BSC Objective Map – final version

(September 2014)

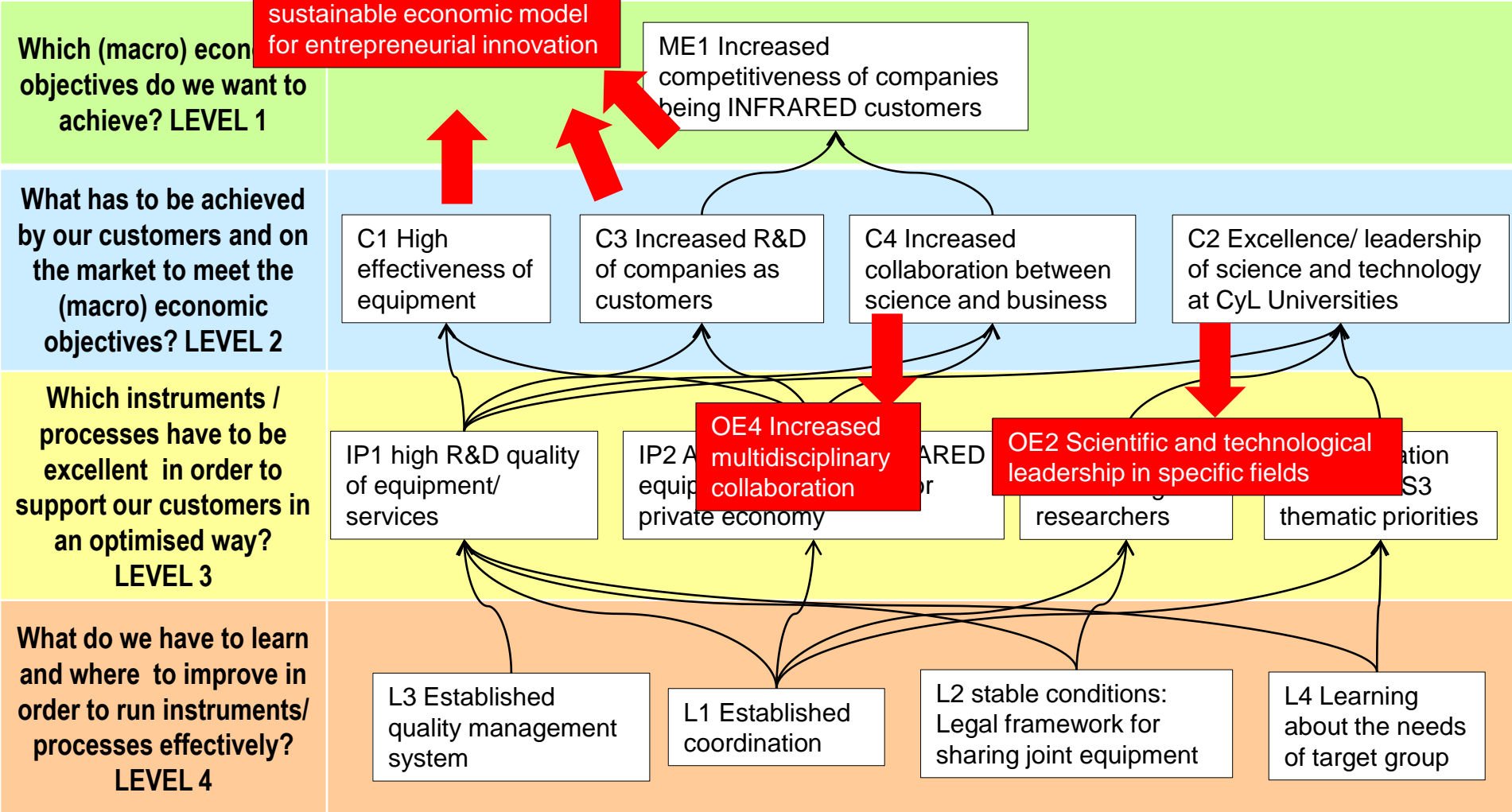


Set of indicators for the BSC objective map – an example

LEVEL 2 Objective	explanation	contribution to BSC Roof objective	indicator	explanation	meaning	source of information	unit	v
C2 Excellence/ leadership of science and technology at CyL Universities (INFRARED partners) 	Excellence/leadership = high impact and leadership in scientific production	OE2 Scientific and technological leadership in specific fields 	Number of scientific articles published in SCOPUS	Number of scientific articles published in SCOPUS by CyL researchers, split into 6 thematic priorities and "others"	only articles published by researchers of INFRARED partners; Higher values for this indicator means higher scientific production in CyL.	Web of Science; universities?	articles/year	50
			% of excellent scientific articles published in SCOPUS	Number of scientific articles published in SCOPUS by CyL researchers, split into 6 thematic priorities and	only articles published by researchers of INFRARED partners;	Web of Science; universities?	articles/year	
			number of contracts with researchers outside of CyL	contracts linked to INFRARED equipment pool and interlinked services; indicating the acknowledged leadership			aggregated number	
 C3 Increased R&D of companies as customers		OE1 More competitive and sustainable economic model for entrepreneurial innovation	Customers' Business expenditure in R&D BERD / GERD					

Contribution of INFRARED objectives to Roof BSC of RIS3 CyL

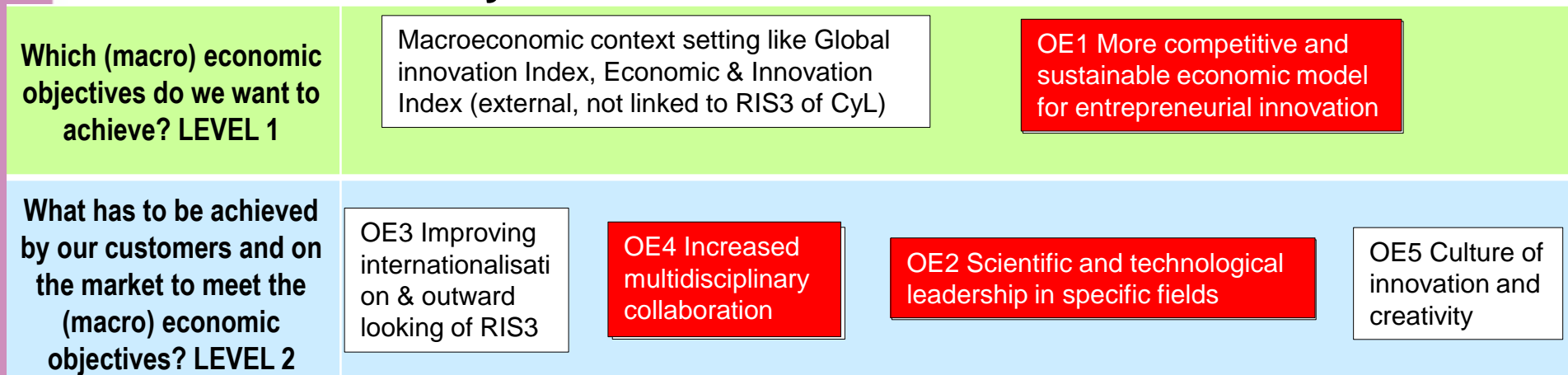
Objectives of RIS3 Roof BSC



Contribution of INFRARED objectives to Roof BSC of RIS3 CyL

- Every INFRARED objective of LEVEL 1 and LEVEL 2 has to contribute to one objective of the Roof Map for RIS3 CyL
- not necessarily on the same level
- Not all RIS3 objectives need to be addressed

Roof BSC of RIS3 CyL



Lessons learnt from BSC elaboration

- Systematic approach with additional effort and high added value
- Reviewing process very helpful for improvement of the INFRARED Plan
- Clearer vision of objectives
- Clearer insight how to link INFRARED to RIS3
- Clear measurement procedure for INFRARED