

# Policy Objective 1 ERDF/CF Indicators



*#CohesionPolicy*  
*#EUinmyRegion*  
*#ESIFOpenData*

# Indicators in PO1

# PO1 A smarter Europe by promoting innovative and smart economic transformation

Specific Objective	Outputs	Results
<b>1.i Enhancing research and innovation capacities and the uptake of advanced technologies</b>	RCO 01 - Enterprises supported (of which: micro, small, medium, large) RCO 02 - Enterprises supported by grants RCO 03 - Enterprises supported by Fis RCO 04 - Enterprises with non-financial support RCO 05 - Start-ups supported RCO 06 - Researchers working in supported research facilities RCO 07 - Research institutions participating in joint research projects RCO 08 - Nominal value of research and innovation equipment RCO 10 - Enterprises cooperating with research institutions	RCR 01 - Jobs created in supported entities RCR 02 - Private investments matching public support (of which: grants, Fis) RCR 03 - SMEs introducing product or process innovation RCR 04 - SMEs introducing marketing or organisational innovation RCR 05 - SMEs innovating in-house RCR 06 - Patent applications submitted to EPO RCR 07 - Trademark and design applications RCR 08 - Public-private co-publications
<b>1.ii Reaping the benefits of digitisation for citizens, companies and governments</b>	RCO 12 - Enterprises supported to digitise their products and services RCO 13 - Digital services and products developed for enterprises RCO 14 - Public institutions supported to develop digital services and applications	RCR 11 - Users of new public digital services and applications RCR 12 - Users of new digital products, services and applications developed by enterprises RCR 13 - Enterprises reaching high digital intensity RCR 14 - Enterprises using public digital services
<b>1.iii Enhancing growth and competitiveness of SMEs</b>	RCO 15 - Capacity of incubation created	RCR 16 - High growth enterprises supported RCR 17 - 3-year old enterprises surviving in the market RCR 18 - SMEs using incubator services one year after the incubator creation RCR 19 - Enterprises with higher turnover RCR 25 - Value added per employee in supported SMEs
<b>1.iv Developing skills for smart specialisation, industrial transition and entrepreneurship</b>	RCO 16 - Stakeholders participating in entrepreneurial discovery process RCO 17 - Investments in regional/ local ecosystems for skills development RCO 101 - SMEs investing in skills development RCO 102 - SMEs investing in training management systems	RCR 24 - SMEs benefiting from activities for skills development delivered by a local / regional ecosystem RCR 97 - Apprenticeships supported in SMEs RCR 98 - SMEs staff completing Continuing Vocational Education and Training (CVET) (by type of skill: technical, management, entrepreneurship, green, other) RCR 99 - SMEs staff completing alternative training for knowledge intensive service activities (KISA) (by type of skills: technical, management, entrepreneurship, green, other) RCR 100 - SMEs staff completing formal training for skills development (KISA) (by type of skills: technical, management, entrepreneurship, green, other)



# **Specific Objective 1.i**

*Enhancing research and innovation capacities and the uptake of advanced technologies*

## RCO01 - Enterprises supported (of which: micro, small, medium, large)

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
88%	100%	100%	81%	94%

*Number MS: 16*

- Name: *number of, ERDF, CF*
- Disaggregation: *administrative burden*
- Use in specific objectives
- Use with other enterprise indicators (*RCO02 etc*)
- Definition of enterprise: *state aid, non-profit*
- Double counting: *SO and OP levels*
- Time measurement: *what is completion?*

## RCO02 - Enterprises supported by grants

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
88%	94%	94%	81%	94%

*Number MS: 16*

- Disaggregation: *none!*
- Definition:
  - conditional upon completion?*
  - add partner enterprises?*
- Double counting: *OP level?*
- Time measurement: *link to final payment?*

## RCO03 - Enterprises supported by financial instruments

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
88%	88%	88%	69%	88%

*Number MS: 16*

- Use with other common indicators (*RCO01 etc*)
- Data collection: *bank confidentiality?*
- Definition: *list types of FIs?*
- Double counting: *time-consuming?*
- Time measurement: *moment of payment ?*

# RCO04 - Enterprises with non-financial support

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
88%	81%	81%	44%	81%

*Number MS: 16*

- Use with other common indicators (*RCO01 etc*)
- Definition:
  - list of activities? one-off contacts, phone calls?*
  - counts partners in projects?*
  - too broad as enterprises not beneficiaries?*
- Double counting: *more difficult*
- Time measurement: *what is completion here?*



## RCO05 – Start-ups supported

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
94%	81%	63%	69%	69%

*Number MS: 16*

- Name: *start-ups, new, or young?*
- Brief definition: *created by ERDF?*
- Use with other common indicators (*RCO01, RCO04 ?*)
- Definition:
  - up to 3 years old when?*
  - Flexibility: lower time limits?*
- Data source: *public registries?*

## RC006 – Researchers working in supported research facilities

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
75%	81%	63%	50%	63%

*Number MS: 16*

- Definition:
  - new jobs included? overlap with RCR01?*
  - temporary positions, permanent?*
  - researchers or R&D personnel?*
  - what is research facility?*
  - calculation of FTEs*
- Type of indicator: *output or result?*
- Double counting: *does not make sense (FTEs)*
- Time measurement: *what is project completion?*
- Examples: *would be useful*

# RCO07 – Research institutions participating in joint research projects

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
94%	88%	88%	69%	75%

*Number MS: 16*

- Use with other common indicators: *RCO06?*
- Definition:
  - why research institutions?*
  - cooperation shorter than project duration?*
  - contracting/ sub-contracting?*
- Double counting:
  - at project level (for partners)?*
  - trans-regional cooperation?*
- Time measurement: *what is project completion?*

# RCO08 – Nominal value of research and innovation equipment

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
63%	88%	94%	88%	81%

*Number MS: 16*

- *Use: when should the indicator be used?*
- *Definition:*
  - what is nominal value?*
  - new equipment?*
  - exchange rate?*
  - eligible costs?*
- *Double counting: does not make sense*
- *Time measurement: when procured and in operation?*



# RCO10 – Enterprises cooperating with research institutions

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
88%	88%	81%	75%	75%

*Number MS: 16*

- Definition:
  - *count partners in projects?*
  - *cooperation for project duration?*
- Double counting: *not all enterprises are beneficiaries*
- Time measurement: *exit from project?*

# RCO96 – Interregional investments in EU projects

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
53%	40%	33%	53%	40%

*Number MS: 15*

- Code: *same as ETC RCO96*
- Name:
  - value of interregional investments?*
  - investments in EU innovation projects?*
- Definition
  - define relevance at EU level?*
  - eligibility rules? type of projects?*
  - projects within or across countries?*
  - ETC specific of interregional investments not in ERDF?*
- Double counting: *does not make sense?*

# RCR01 – Jobs created in supported entities

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
75%	69%	63%	56%	69%

*Number MS: 16*

- Definition:
  - line of activity?*
  - new jobs in supported projects?*
  - direct link to support?*
  - different for R&I ?*
  - method of calculation?*
- Time measurement:
  - 2-3 years after project completion?*
  - different for R&I*
- Data source: *surveys, registries*
- Examples: *for R&I*

# RCR02 – Private investments matching public support (of which: grants, financial instruments)

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
100%	100%	87%	53%	93%

*Number MS: 16*

- Disaggregation: *separate indicators?*
- Definition: *non-eligible costs? VAT?*
- Time measurement:
  - *one year after project completion?*
  - *for financial instruments?*
- Examples: *non-eligible co-financing and how to verify it*



# RCR03 – SMEs introducing product or process innovation

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
87%	80%	60%	60%	60%

*Number MS: 15*

- State aid: *not allowed if close to market?*
- Name: *SMEs or enterprises? add services?*
- Definition:
  - why distinguish innovation types (RCR04)?*
  - how is innovation proved?*
- Double counting: *several innovations?*
- Time measurement: *one year not enough? project completion?*

# RCR04 – SMEs introducing marketing or organizational innovation

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
87%	87%	60%	53%	53%

*Number MS: 15*

- Definition:
  - marketing and organisational same as process innovation (RCR03)?*
  - explain distinction from RCR05 (external dimension)*

# RCR05 – SMEs innovating in-house

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
73%	73%	67%	60%	67%

*Number MS: 15*

- Definition:
  - *innovation activities instead of R&I (mismatch between message and definition)*

# RCR06 – Patent applications submitted to European Patent Office

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
56%	63%	75%	63%	69%

*Number MS: 16*

- Name: *why just EPO?*
- Definition:
  - all patent offices considered?*
  - submission of application or registration?*
- Double counting: *not applicable?*
- Time measurement:
  - lag in patent submission? earlier submission?*
  - difficult to follow*



# RCR07 – Trademarks and design applications

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
60%	67%	67%	67%	67%

*Number MS: 15*

- Definition:
  - D&T approved or submitted?*
  - intended D&T?*
- Double counting: *not applicable?*
- Time measurement: *more than one year?*

# RCR08 – Public-private co-publications

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
47%	60%	67%	40%	53%

*Number MS: 15*

- Projects market oriented: *occasional publications*
- Name: *why only public-private? co-publications?*
- Double counting: *difficult?*

# **Specific Objective 1.ii**

*Reaping the benefits of digitalisation  
for citizens, companies and  
governments*

# RCO12 – Enterprises supported to digitise their products and services

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
93%	87%	93%	80%	93%

*Number MS: 15*

- How does it differ from RCO01?
- Definition:
  - does digitisation imply innovation?*
  - what is digital innovation?*

# RCO13 – Digital services and products developed for enterprises

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
93%	73%	53%	53%	60%

*Number MS: 15*

- Name: *processes should be included*
- Measurement unit: *not robust? stand-alone digital applications?*
- Type indicator: *result?*
- Definition:
  - what are digital processes?*
  - third parties?*
  - improved or updated digital applications?*
- Double counting: *not applicable*

# RCO14 – Public institutions supported to develop digital services and applications

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
87%	93%	80%	80%	93%

*Number MS: 15*

- Name: *digital processes, services and applications?*
- Alternatives:
  - value of digital services and applications*
  - Number of new services and digital applications ... by public institutions*
- Definition:
  - include subordinate organisational units such as municipal companies?*
  - updated applications?*
  - uptake or innovation?*
- Double counting: *not applicable*

# RCR11 – Users of new public digital services and applications

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
87%	80%	73%	60%	67%

*Number MS: 15*

- Name: *new or upgraded (i.e. substantially modified)?*
- Definition:
  - substantial improvements not counted?*
  - users: citizens or staff of public institutions?  
cannot distinguish individuals from enterprises?*
  - different types of users: internal/ external?*
  - calculation per year?*
- Double counting: *for users, close to impossible? for services and applications?*
- Time measurement: *over one year from completion?*



# RCR12 – Users of new digital products, services and applications developed by enterprises

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
73%	53%	73%	40%	60%

*Number MS: 15*

- Name: *new or upgraded (i.e. substantially modified)?*
- Definition:
  - include users of mobile applications?*
  - new or upgraded?*
  - users: individual and enterprises?*
- Double counting: *for users, close to impossible? for services and applications?*
- Time measurement: *over one year from completion?*

# RCR13 – Enterprises reaching high digital intensity

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
60%	40%	53%	33%	53%

*Number MS: 15*

- Definition:
  - target quite modest for advanced economies*
  - too many conditions to comply with*
  - difficult to follow up*
  - only for enterprises which do not meet the criteria a priori*
- Double counting: *low risk?*
- Time measurement: *all results one year after completion?*
- Data source: surveys?

# RCR14 – Enterprises using public digital services

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
71%	50%	64%	36%	57%

*Number MS: 14*

- Name: *services and applications?*
- Replace by an indicator for all end users (individuals and businesses) ?
- Definition:
  - new or upgraded?
  - users: individuals and businesses?
- Double counting: *for users, close to impossible?*
- Time measurement: *over one year after completion?*
- Data source: surveys?

# Specific Objective 1.iii

*Enhancing growth and  
competitiveness of SMEs*

# RCO15 – Capacity of incubation created

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
73%	73%	73%	60%	60%

*Number MS: 15*

- Name:
  - capacity created or improved?*
- Alternatives:
  - number enterprises using the incubator?*
  - work stations?*
- Measurement unit: *discrepancy with the name?*
- Definition:
  - mismatch with title (enterprises that can or are supported? – see structured relationship?)*
  - distinction from RCO04?*
- Double counting: *not applicable (potential capacity)*

# RCR16 – High growth enterprises supported

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
53%	27%	40%	13%	40%

*Number MS: 13*

- Definition: *high growth before or after implementation?*
- Target: *difficult to estimate?*
- Time measurement:
  - why one year after? expected impact on growth?*
  - consistent with 3-year period for high growth?*
- Data source: *surveys, registries?*



# RCR17 – 3-year old enterprises surviving in the market

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
87%	53%	47%	33%	33%

*Number MS: 15*

- Name: *start-ups, new, young (RCO05)?*
- Definition:
  - when is enterprise age established? (max 3 years when submitting an application, after project completion?)*
  - "on their own" – no more grant or support?*
  - "still active" – more than just registered? minimum turnover?*
- Target: *difficult to estimate*
- Time measurement: *three years after support?*



# RCR18 – SMEs using incubator services one year after the incubator creation

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
80%	80%	67%	53%	60%

*Number MS: 15*

- Name: *why include duration?*
- Definition:
  - RCO15 compared with RCR18?*
  - new or upgraded incubator capacity?*
  - annual number?*
- Double counting: *difficult to eliminate?*

# RCR19 – Enterprises with higher turnover

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
67%	53%	60%	33%	53%

*Number MS: 15*

- Definition:
  - include minimum level of turnover growth?*
  - RCR16 vs RCR19?*
  - remove "sustain"?*
- Time measurement: *data in public registries later than one year? two years?*

# RCR25 – Value added per employee in supported SMEs

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
33%	20%	13%	13%	20%

*Number MS: 15*

- Definition:
  - averaging not suitable for aggregation
  - No reference (what is “sufficient” added value?)
- Time measurement: *three years?*

# **Specific Objective 1.iv**

*Developing skills for smart specialisation, industrial transition and entrepreneurship*

# RCO16 – Stakeholders participating in entrepreneurial discovery process

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
63%	50%	50%	38%	25%

*Number MS: 16*

- Name: *institutional stakeholders?*
- Definition
  - who is institutional stakeholder? businesses included?*
  - how much involvement?*
  - entrepreneurial discovery?*
  - subjective, difficult to control?*
- Double counting: *filter duplication?*
- Time measurement: *when exactly?*

# RCO17 – Investments in regional / local ecosystems for skills development

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
60%	60%	47%	47%	27%

*Number MS: 15*

- Definition:
  - what is an ecosystem?*
  - what type of projects?*
  - total investments (public, private, ERDF, national etc)?*
  - skills /knowledge/ training ?*
  - enterprises included?*
  - ESF+ cross-financing?*
- Double counting: *applicable?*

# RCO101 – SMEs investing in skills development

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
87%	80%	53%	67%	60%

*Number MS: 15*

- Name:
  - why SMEs?*
  - skills for smart specialization?*
- Use with other common indicators: *RCO01?*
- Definition:
  - link with ERDF and eligible costs?*
  - delimitation with ESF?*



# RCO102 – SMEs investing training management systems

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
86%	71%	36%	57%	36%

*Number MS: 14*

- Distinction: *RCO101 vs RCO102?*
- Definition:
  - training management systems?*
  - which training eligible?*
- Double counting: *projects or SMEs?*

# RCR24 – SMEs benefiting from activities for skills development delivered by local/ regional ecosystems

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
73%	67%	53%	53%	47%

*Number MS: 15*

- Type indicator: *why a result?*
- Target: *difficult to estimate if ecosystems unknown?*
- Definition:
  - scope?*
  - annual users of the ecosystem?*
- Double counting: *include SMEs?*
- Data source: *surveys?*

# RCR97 – Apprenticeships supported in SMEs

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
64%	71%	64%	64%	57%

*Number MS: 14*

- Type indicator: *why a result?*
- Definition:
  - duration of apprenticeship?*
  - which domain eligible?*
  - minimum duration for apprenticeship?*
- Double counting: *add?*
- Time measurement: *when apprenticeship over?*

# RCR98 – SMEs staff completing Continuing Vocational Education and Training (CVET) (by type of skills: technical, management, entrepreneurship, green, other)

RELEVANT (3,4)	ACCEPTED (3,4)	CREDIBLE (3,4)	EASY (3,4)	ROBUST (3,4)
79%	79%	71%	64%	64%

*Number MS: 14*

- Combine indicators RCR98, RCR99, RCR100?
- Definition:
  - ESF data collection applicable?*
  - why annual number of SME staff?*
  - participation or completion?*
- Double counting: *unique participants?*
- Time measurement:
  - one year after completion?*
  - when training completed?*

# **RCR99 – SMEs staff completing alternative training for knowledge intensive service activities (KISA) (by type of skills: technical, management, entrepreneurship, green, other)**

<b>RELEVANT (3,4)</b>	<b>ACCEPTED (3,4)</b>	<b>CREDIBLE (3,4)</b>	<b>EASY (3,4)</b>	<b>ROBUST (3,4)</b>
71%	71%	71%	64%	64%

*Number MS: 14*

# **RCR100 – SMEs staff completing formal training for skills development (KISA) (by type of skills: technical, management, entrepreneurship, green, other)**

<b>RELEVANT (3,4)</b>	<b>ACCEPTED (3,4)</b>	<b>CREDIBLE (3,4)</b>	<b>EASY (3,4)</b>	<b>ROBUST (3,4)</b>
71%	79%	71%	64%	64%

*Number MS: 14*

***SIMILAR TO RCR98!***



# Next meeting



# ERDF and CF Indicators proposed for 2021+

*Note: Interreg specific indicators with Interact expert group (20 Feb 2019)*

Policy objective	Specific objectives	Outputs	Results
PO1 Smart Europe	(i) R&D capacities	10	8
	(ii) Digitisation	3	4
	(iii) SMEs	1	5
	(iv) Skills for smart specialisation	4	5
<b>Total PO1</b>		<b>18</b>	<b>22</b>
PO2 Green Europe	(i) Energy efficiency	3	5
	(ii) Renewable energy	2	2
	(iii) Smart grids	2	2
	(iv) Climate change	5	5
	(v) Water management	3	4
	(vi) Circular economy	1	4
	(vii) Biodiversity	5	4
<b>Total PO2</b>		<b>21</b>	<b>26</b>
PO3 Connected Europe	(i) Digital connectivity	2	2
	(ii) TEN-T	4	3
	(iii) Other than TEN-T	9	4
	(iv) Multimodal urban mobility	6	3
<b>Total PO3</b>		<b>21</b>	<b>12</b>
PO4 Social Europe	(i) Labour markets infrastructure	1	1
	(ii) Inclusive education	3	3
	(iii) Integration - housing and social	2	2
	(iv) Health infrastructure	2	4
<b>Total PO4</b>		<b>8</b>	<b>10</b>
PO5 Closer Europe	(i) Integrated urban	4	3
	(ii) Integrated territorial and CLLDs	1	
<b>Total PO5</b>		<b>5</b>	<b>3</b>
<b>Horizontal</b>		<b>1</b>	<b>4</b>
<b>Total for Eval Net</b>		<b>74</b>	<b>77</b>



# Indicators PO2 (Feb-Mar)

