



EUROPEAN COMMISSION
EUROSTAT

Directorate G: Business and trade statistics
Unit G-2: European Businesses

Derivation rules for basic indicators in CIS 2020

Annex IV

Derivation rules for basic indicators based on codes used in CIS 2020 questionnaire

*Note – the codes in the questionnaire used for transmission of data are not always used for dissemination in Eurobase

EUROBASE DISSEMINATION CODE	RULE Derivation formula (based on CIS2020 questionnaire)	Label
INN	(INNO_PRD_GD=1 or INNO_PRD_SERV=1 or INNO_PCS_PRD=1 or INNO_PCS_LOG=1 or INNO_PCS_COMM=1 or INNO_PCS_ACCT=1 or INNO_PCS_OPROC_EXTREL=1 or INNO_PCS_WR_DEC_HRM=1 or INNO_PCS_SLS_SERV=1 or INNA_COMPL=1 or INNA_ONGO=1 or INNA_ABDN=1 or INNA_IH_RND=1 or INNA_RND_CONTR_OUT=1)	Innovation active enterprises in population 2020
NINN	(INNO_PRD_GD<>1 and INNO_PRD_SERV<>1 and INNO_PCS_PRD<>1 and INNO_PCS_LOG<>1 and INNO_PCS_COMM<>1 and INNO_PCS_ACCT<>1 and INNO_PCS_OPROC_EXTREL<>1 and INNO_PCS_WR_DEC_HRM<>1 and INNO_PCS_SLS_SERV<>1) and (INNA_COMPL<>1 and INNA_ONGO<>1 and INNA_ABDN<>1 and INNA_IH_RND<>1 and INNA_RND_CONTR_OUT<>1)	Not innovation active enterprises in population 2020
BPCS_ONL	(INNO_PRD_GD<>1 and INNO_PRD_SERV<>1) and (INNO_PCS_PRD=1 or INNO_PCS_LOG=1 or INNO_PCS_COMM=1 or INNO_PCS_ACCT=1 or INNO_PCS_OPROC_EXTREL=1 or INNO_PCS_WR_DEC_HRM=1 or INNO_PCS_SLS_SERV=1)	Enterprises that have only business process innovation in population 2020
PRD	(INNO_PRD_GD=1 or INNO_PRD_SERV=1)	Enterprises with at least one product innovation (goods or services)

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PRDBPCS	(INNO_PRD_GD=1 or INNO_PRD_SERV=1 or INNO_PCS_PRD=1 or INNO_PCS_LOG=1 or INNO_PCS_COMM=1 or INNO_PCS_ACCT=1 or INNO_PCS_OPROC_EXTREL=1 or INNO_PCS_WR_DEC_HRM=1 or INNO_PCS_SLS_SERV=1 or INNA_COMPL=1 or INNA_ONGO=1 or INNA_ABDN=1)	Product and/or business process innovative enterprises (including enterprises with completed/abandoned/suspended innovation activities regardless R&D)
PRD_BPCS_ONL	(INNO_PRD_GD=1 or INNO_PRD_SERV=1) and (INNO_PCS_PRD=1 or INNO_PCS_LOG=1 or INNO_PCS_COMM=1 or INNO_PCS_ACCT=1 or INNO_PCS_OPROC_EXTREL=1 or INNO_PCS_WR_DEC_HRM=1 or INNO_PCS_SLS_SERV=1)	Enterprises that have product and business process innovation in population 2020
PRD_ONL	(INNO_PRD_GD=1 or INNO_PRD_SERV=1) and (INNO_PCS_PRD<>1 and INNO_PCS_LOG<>1 and INNO_PCS_COMM=<>1 and INNO_PCS_ACCT<>1 and INNO_PCS_OPROC_EXTREL<>1 and INNO_PCS_WR_DEC_HRM<>1 and INNO_PCS_SLS_SERV<>1)	Enterprises that have only product innovation in population 2020
ABD_ONGO	(INNA_ONGO=1 or INNA_ABDN=1) and (INNA_COMPL<>1 and INNA_IH_RND<>1 and INNA_RND_CONTR_OUT<>1) and (INNO_PRD_GD<>1 and INNO_PRD_SERV<>1) and (INNO_PCS_PRD<>1 and INNO_PCS_LOG<>1 and INNO_PCS_COMM<>1 and INNO_PCS_ACCT<>1 and INNO_PCS_OPROC_EXTREL<>1 and INNO_PCS_WR_DEC_HRM<>1 and INNO_PCS_SLS_SERV<>1)	Enterprises without innovation, but with abandoned/suspended and/or on-going innovation activities in population 2020
ABD	INNA_ABDN=1	Enterprises with abandoned innovation activities during 2018 and 2020
END	INNO_PRD_GD=1 or INNO_PRD_SERV=1 or INNO_PCS_PRD=1 or	Enterprises with completed (implemented or not) activities on product or process innovation during the during 2018 and 2020

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	INNO_PCS_LOG=1 or INNO_PCS_COMM=1 or INNO_PCS_ACCT=1 or INNO_PCS_OPROC_EXTREL=1 or INNO_PCS_WR_DEC_HRM=1 or INNO_PCS_SLS_SERV=1 or INNA_COMPL=1	
END_NIMPL	INNA_COMPL=1	Number of enterprises with completed but not implemented activities on product or process innovation during 2018 and 2020
RND_IH	INNA_IH_RND=1	Enterprises with in-house R&D activities during 2018 and 2020
RND_IH_CONT	INNA_IH_RND_CONT=1	Enterprises with continuous in-house R&D activities during 2018 and 2020
RND_IH_OCC	INNA_IH_RND_OCC=1	Enterprises with occasional in-house R&D activities during 2018 and 2020
ONGO	INNA_ONGO=1	Enterprises with ongoing innovation activities at the end of 2020
RND_CONTR_OUT	INNA_RND_CONTR_OUT=1	Enterprises with contract-out R&D activities during 2018 and 2020
RND_IH_CONTR_OUT	(INNA_IH_RND=1 or INNA_RND_CONTR_OUT=1)	R&D performers (Enterprises with either in-house or contracted-out R&D)
RND_CONTR_OUT_NIH	(INNA_IH_RND=0 AND INNA_RND_CONTR_OUT=1)	Enterprises contracting out R&D, but with no R&D performed in-house
PRD_GD	INNO_PRD_GD=1	Enterprises with at least one good innovation
PRD_SERV	INNO_PRD_SERV=1	Enterprises with at least one service innovation
PRD_NEW_ENT	(INNO_PRD_GD=1 or INNO_PRD_SERV=1) and INNO_PRD_NEW_ENT=1	Enterprises with least one product innovation (goods or services) already previously available on the market 'new to the firm'
PRD_NEW_MKT	(INNO_PRD_GD=1 or INNO_PRD_SERV=1) and INNO_PRD_NEW_MKT=1	Enterprises with at least one product innovation (goods or services) that was not previously available to the market ('new to the market')
BPCS	(INNO_PCS_PRD=1 or INNO_PCS_LOG=1 or INNO_PCS_COMM=1 or INNO_PCS_ACCT=1 or INNO_PCS_OPROC_EXTREL=1 or INNO_PCS_WR_DEC_HRM=1 or INNO_PCS_SLS_SERV=1)	Enterprises with at least one business process innovation (independent of kind of business process innovation)
ACCT	INNO_PCS_ACCT=1	Enterprises that introduced new methods for accounting or other administrative operations
COMM	INNO_PCS_COMM=1	Enterprises that introduced new methods for information processing or communication
LOG	INNO_PCS_LOG=1	Enterprises that introduced new logistics, delivery or distribution methods
OPROC_EXTREL	INNO_PCS_OPROC_EXTREL=1	Enterprises that introduced new business practices for organising procedures or external relations
PCS_GD_SERV	INNO_PCS_PRD=1	Enterprises that introduced new methods for producing goods or providing services

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		(including methods for developing goods or services)
SLS_SERV	INNO_PCS_SLS_SERV=1	Enterprises that introduced new marketing methods for promotion, packaging, pricing, product placement or after sales services
OWR_DEC_HRM	INNO_PCS_WR_DEC_HRM=1	Enterprises that introduced new methods of organising work responsibility, decision making or human resource management
PRD_NEW_ENT_ONL	(INNO_PRD_GD=1 or INNO_PRD_SERV=1) and (INNO_PRD_NEW_ENT=1 AND INNO_PRD_NEW_MKT=0)	Enterprises with product innovation (goods or services), but none of it being 'new to the market' ('new to the firm only')