



# GLORIA Workshop

## 27-28 April

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# CIS – Community Innovation Survey

## Questions on environmental benefit

- **Central element of EU Green Deal is ‘change’**
  - How to measure **change** in enterprises with a focus on Green Deal issues?
  - **Solution: Community Innovation Survey (CIS)** [NB: SME vs large enterprises; vs R&D]
- **CIS 2014 and 2020** (release(d) 2016 and 2022)
  - **Module on ‘innovations with environmental benefits’**
- **What is an innovation with environmental benefits?**
  - New or improved product or business process; generates **positive or lower negative environmental impacts**;
  - Environmental benefit **can be the primary objective or a by-product of other objectives**.
  - NB: The environmental benefits of an innovation can occur during the **production** of a good or service, or during its **consumption or use** by the end user of a product

**During the three years 2018 to 2020 [2012-14], did your enterprise introduce innovations with any of the following environmental benefits, and, if yes, was their contribution to environmental protection rather significant or insignificant?**

<b>Environmental benefits obtained within your enterprise</b>	<b>Yes, significant</b>	<b>Yes, but insignificant</b>	<b>No</b>
Reduced material or water use per unit of output	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reduced energy use or CO2 'footprint' (i.e. reduced total CO2 emission)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reduced soil, noise, water or air pollution	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Replaced a share of materials with less polluting or hazardous substitutes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Replaced a share of fossil energy with renewable energy sources	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Recycled waste, water, or materials for own use or sale	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Environmental benefits obtained during the consumption or use of a good or service by the end user</b>	<b>Yes, significant</b>	<b>Yes, but insignificant</b>	<b>No</b>
Reduced energy use or CO2 'footprint'	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reduced air, water, soil or noise pollution	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Facilitated recycling of product after use	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Extended product life through longer-lasting, more durable products	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**During 2018 to 2020 [2012-14], how important were the following factors in driving your enterprise's decisions to introduce innovations with environmental benefits?**

	Degree of importance			
	High	Medium	Low	Not relevant
Existing environmental regulations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Existing environmental taxes, charges or fees	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Environmental regulations or taxes expected in the future	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Government grants, subsidies or other financial incentives for environmental innovations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Current or expected market demand for environmental innovations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Improving your enterprise's reputation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Voluntary actions or initiatives for environmental good practice within your sector	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
High cost of energy, water or materials	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Need to meet requirements for public procurement contracts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**During 2018 to 2020, how important were the following factors related to climate change for your business?**

	Degree of importance			
	High	Medium	Low	Not relevant
<u>Government policies or measures</u> related to climate change	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Increasing customer demand for products that help mitigate or adapt to climate change (e.g. low-carbon products)</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Increasing costs or input prices</u> resulting from climate change (e.g. higher insurance fees, higher prices for water, adaptation of processes or facilities)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Impacts of extreme weather conditions</u> (e.g. damages/disturbances)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- Advantage: this information will be available in the context of all other variables of the CIS, such as
  - enterprise activity (NACE), size class
  - [CIS-2020] *share of turnover abroad, access to finance/tax incentives*
  - [CIS-2020] patents/trademarks, (presence of significant) R&D expenditure,
  - [CIS-2020] innovation strategies, and other drivers for innovation!
- The questions will most likely be repeated in future CIS surveys.
- Since similar questions were included in the CIS 2014, an analysis of medium term developments can be carried out.

# Thank you



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