



**Directorate General for Research and  
Innovation  
Caroline Pottier**

**Pesticides and  
Biodiversity  
losses:  
Agronomic  
Solutions and  
Political Actions**

**Event organised by  
Pesticide Action  
Network Europe  
15 May 2019  
Brussels**

# Biodiversity in the Commission?

Operational DGs

**DG Environment (ENV)**

*Biodiversity Strategy,  
Birds and Habitats  
directives, 7th  
Environment Action  
Programme, Life+, etc*

**DG  
Agriculture**

*CAP, Rural  
Development*

**DG Health and Food  
Safety (SANTE)**

*Pesticides,  
IPM ...*

**Others:  
DG GROW (Reach)  
DG CLIMA, DG  
DEVCO etc**

Interface  
science-policy

*Group of EU Chief  
Scientific Advisors*

**DG Research and Innovation  
(RTD)**  
*Research and Innovation  
Framework Programmes  
Knowledge (support to  
IPBES)*

**DG Joint Research  
Centre (JRC)**

*Scientific and  
technical support*

Advisory  
Bodies

European Environment Agency



*Information on the  
state of the  
environment*

**efsa**  
European Food Safety Authority

*Advice and  
communication  
on risks  
associated with  
the food chain*

**ECHA**  
EUROPEAN CHEMICALS AGENCY

*EU chemical  
legislations*

# RTD's role in developing policies

- **EU Bioeconomy Strategy**
- Initial strategy developed in 2012
- 2018: new strategy + Action Plan with a strong focus on sustainability, ecological boundaries, biodiversity and ecosystems



# Horizon 2020 Work Programme 2018-2020

- ***SC2: Food security, sustainable agriculture and forestry, marine, maritime and inland water research, and the Bioeconomy***
  - **Plant Health,**
  - **Agro-ecology**
- ***SC5 "Climate Action, Environment, Resource Efficiency and Raw Materials"***
  - **Nature-based solutions,**
  - **Implementation of the SDGs,**
  - **Biodiversa**

# Horizon Europe: investing in R&I to shape our future

- Tackling **climate change**  
(35 % budgetary target)
- Helping to achieve **Sustainable Development Goals**
- Boosting the Union's **competitiveness and growth**

*Europe fails to transform leadership  
in science into leadership in  
innovation and entrepreneurship*



Credits: <https://www.un.org/sustainabledevelopment/sustainable-development-goals/>

# Specific objectives of the Programme

Support the creation and diffusion of high-quality knowledge

Strengthen the impact of R&I in supporting EU policies

Foster all forms of innovation and strengthen market deployment

**Optimise the Programme's delivery for impact in a strengthened ERA**



## Pillar 1 Open Science

European Research Council

Marie Skłodowska-Curie Actions

Research Infrastructures



## Pillar 2 Global Challenges and Industrial Competitiveness

Clusters

- Health
- Culture, creativity and inclusive society
- Civil security for society
- Digital, industry and space
- Climate, energy and mobility
- Food, bioeconomy, natural resources, agriculture and environment

Joint Research Centre



## Pillar 3 Open Innovation

European Innovation Council

European innovation ecosystems

European Institute of Innovation and Technology

## Strengthening the European Research Area

Sharing excellence

Reforming and Enhancing the European R&I system



# Strategic planning to define multiannual work programmes and calls for proposals

- Transparency and stakeholder involvement
- Prioritisation and flexibility to align to political priorities
- Internal programme coherence & synergies with other programmes

## Multiannual Strategic R&I Plan

- \* Multiannual orientations and priorities in one document
- \* Areas for partnerships and missions

Strategic discussions with Member States and European Parliament

Consultation with stakeholders

**Work Programmes**

# Perspectives

- **Biodiversity decline = growing citizen concern.**
- **What could R&I do ?**
- **Science / Policy**
- **On-coming consultation on the Horizon Europe strategic planning.**
- **It is time to decide on what to work on!**
  - **technological innovations?**
  - **systemic innovations?**
  - **continue to improve knowledge ?**





Thank you!

**More info:**

**[https://ec.europa.eu/info/designing-next-research-and-innovation-framework-programme/what-shapes-next-framework-programme\\_en](https://ec.europa.eu/info/designing-next-research-and-innovation-framework-programme/what-shapes-next-framework-programme_en)**

**[https://ec.europa.eu/info/news/commission-invites-top-experts-shape-new-research-and-innovation-missions-2019-may-13\\_en](https://ec.europa.eu/info/news/commission-invites-top-experts-shape-new-research-and-innovation-missions-2019-may-13_en)**