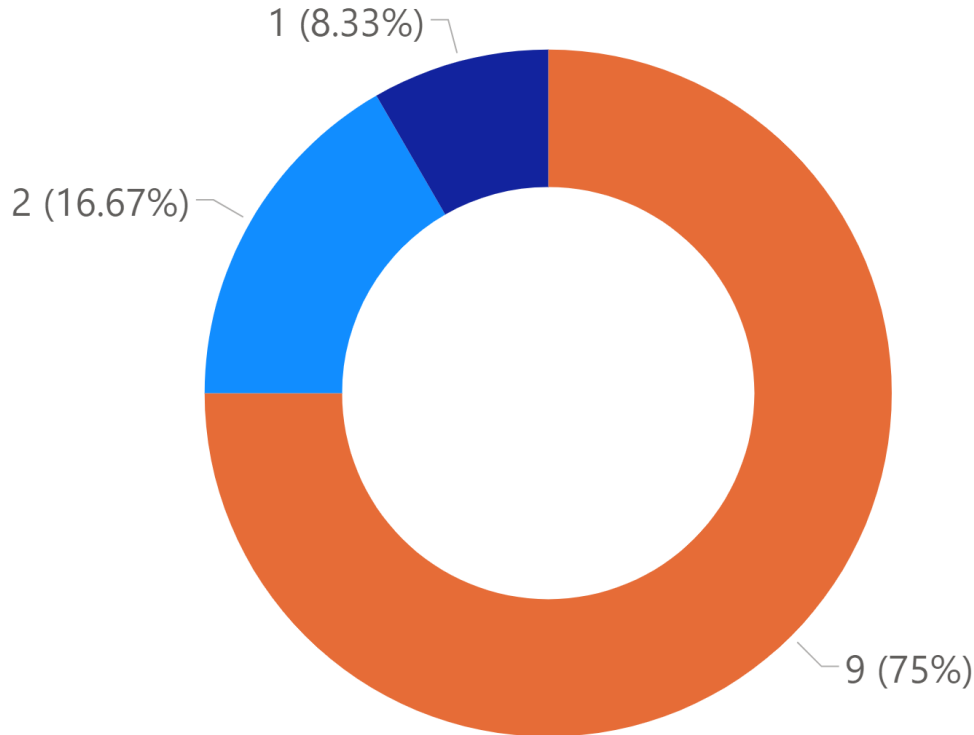


IUCLID format: results from the IUCLID data re-use survey

IDATA, FDP

QUESTION #1 – SURVEY PARTICIPANTS



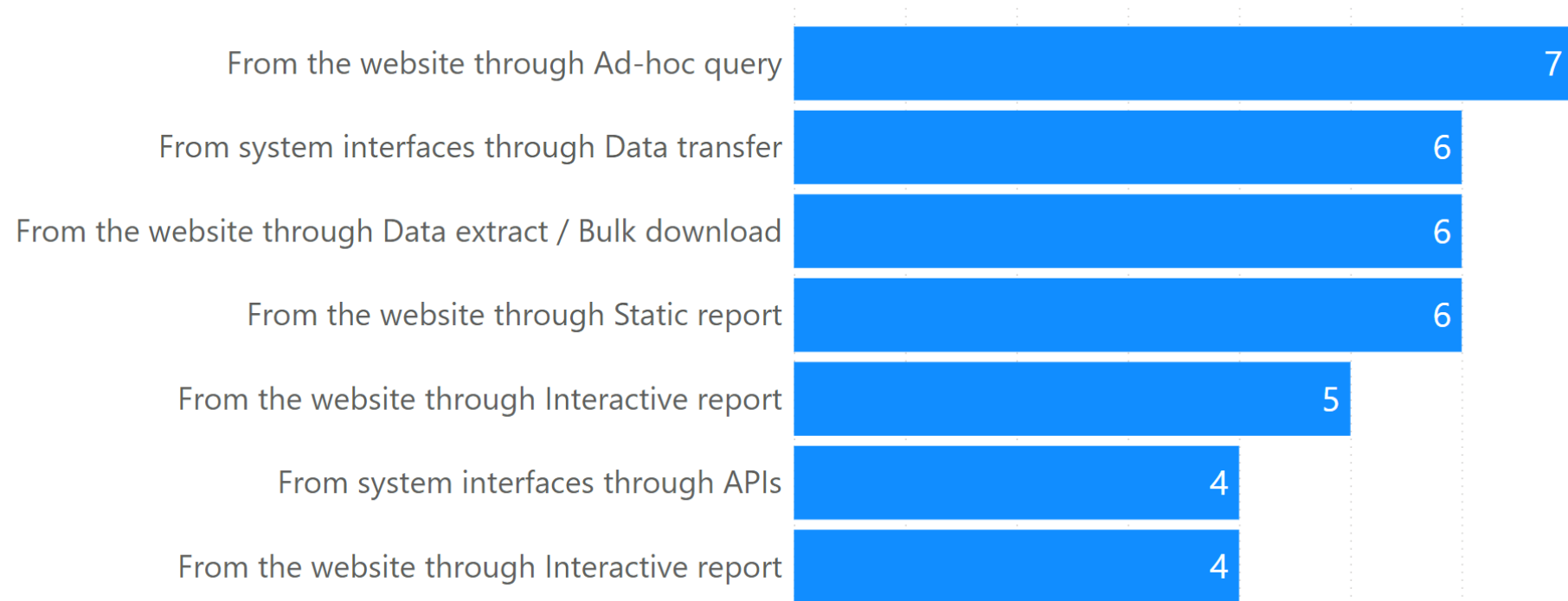
Which of the following roles best describes you?

- National government official
- EFSA's contractor
- European Union institution employee/official



QUESTION #2

How do you want to **access/visualise IUCLID data** (e.g., across dossiers/endpoint study records)?



QUESTION #3

Can you provide specific examples of scenarios where data reuse could lead to **significant advancements** or **improvements** in performing your **risk assessment of a dossier** (e.g., resulting in speeding up the risk assessment)? *

“Co-formulants”:

- Since the same co-formulants (mixture as well as single substances) are used in many products (PPP and biocides), a reuse of the toxicological evaluations of the co-formulants would lead to having the same toxicological evaluations of the co-formulant in all products, as well as a significant acceleration in the evaluation of co-formulants (e.g., only unevaluated co-formulants would have to be evaluated).
- To have a link to REACH database for the assessment of co-formulants.

“Metabolites”:

- To be able to find common metabolites (via linking metapath-IUCLID), and substances that are both biocides and plant protection products in IUCLID.

* Full list of feedback available in Annex I



QUESTION #4

Are there any specific **tools** or **technology** (not yet integrated with IUCLID) you or your organisation rely on to facilitate **data reuse** from IUCLID?



Additional suggestions received:

1. Implementation of a molecular structure search program (to find substances in IUCLID that do not have a common identifier like CAS no, EC no., IUPAC name).
2. Use of ontologies to aggregate terms from toxicity studies, and the storage of effects and study design parameter in relational databases.



QUESTION #5

Are there any specific **tools** or **technology** you or your organisation have already **developed** and currently use to carry out the **risk assessment** (also considering dossiers assessed before the entry into force of the Transparency Regulation, and hence before IUCLID)?

Metapath
ESCRIBA (www.excriba.de)
CADDY importer for MACH IM
A proprietary in-house database
Tools developed by EFSA and other National Authorities
Behördenportal (custom Java software for data transfer within DE)
MCRA tool for assessment of Cumulative Risk Assessment retrieving input values from IUCLID dossier
Processing Factor database (current WP6 on OFT3.0) for assessment of MRL of processed commodities
PRIMO for dietary consumers risk assessment based on retrieving input values from IUCLID dossier
INFOZUPF (custom software for Oracle database within DE)
Dietary Burden for assessment of MRLs in products of animal origin
JasperReports (www.jaspersoft.com)
ISSTOX cluster of databases
MACH IM (www.mach.de)
RA tools/calculators



QUESTION #6

Which **feature** or **functionality** would you like to have available/integrated in **IUCLID** and that you would use for **data analysis**? Provide example(s) of such features and scenarios where you would apply this functionality. *

“Search”:

- A web-based search interface that allows for data search (including the possibility to search by molecular structure), and to download data in the Excel format.
- Search for studies with structurally similar compounds, e.g., to perform group evaluations or enable read-across.
- Searching for information in attached studies.

“Download”:

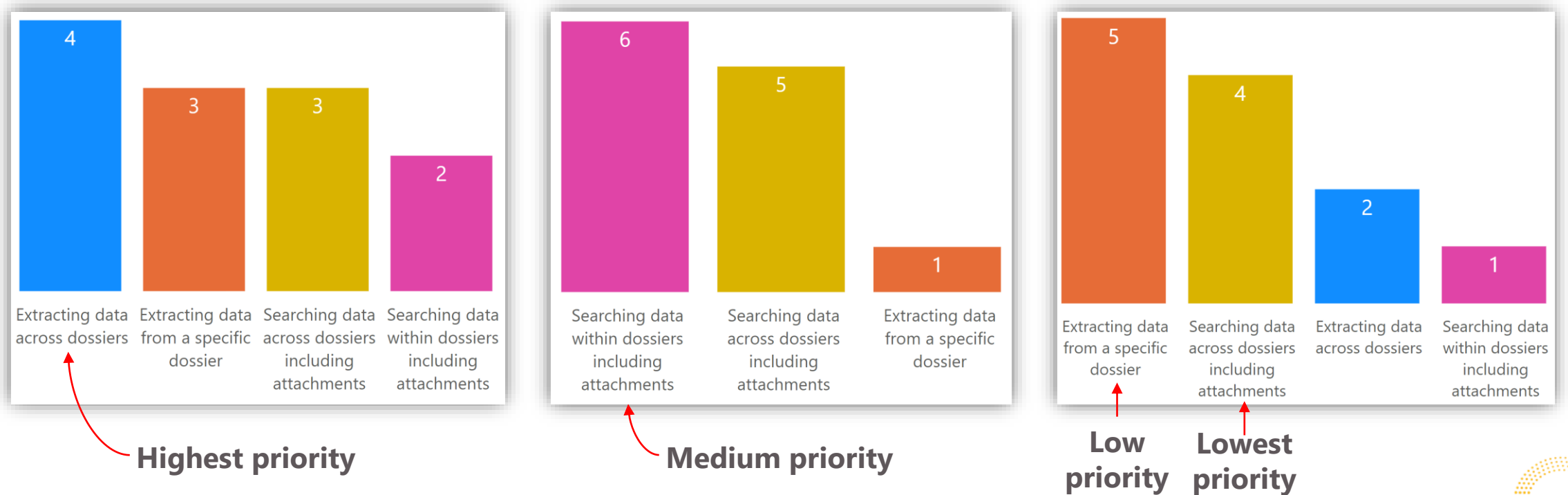
- Download of database dump for data analyses.
- Bulk study download including metadata (author, title, year, etc.).

* Full list of feedback available in Annex I



QUESTION #7

If you had to **prioritise** the items listed below to **optimise** your daily work of **performing assessments** of IUCLID dossiers, which priority would you assign to each item (high (it would facilitate my work significantly), medium or low)? Please rank the following options considering that the top row has the highest priority.



QUESTION #8

Based on the previous selection, which **data** would you **search/extract** within/across dossiers?

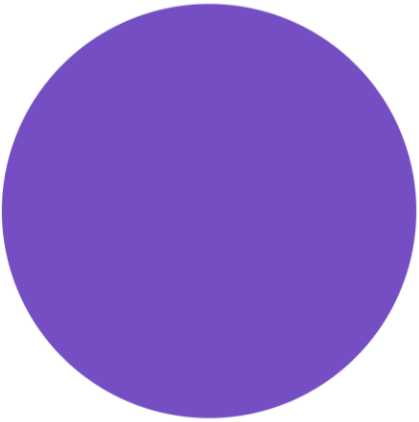
- Data across dossiers: data on **metabolites, impurities**.
- Extraction of data from magnitude of **residue trials**.
- Extraction of the attachments/studies of a dossier and their information including metadata (author, title, year, etc.). The studies should be extracted and imported automatically via REST API into existing IT systems.
- Extraction of documents M and N, when Report Generator has been improved to cover all aspects of the current summarising documents M and N (at the moment, documents M and N are submitted by applicants outside of IUCLID).
- Endpoints and tables with data, which are necessary for the derivation of the endpoints.
- Generated reports (M, N1, N2, N3, E, L, D1), xml archives, studies reports and data from studies summarised in Excel format.
- Report study summaries; evaluation report; RMS comments/conclusions.
- Search by endpoint (e.g., genotoxicity, repeat-dose toxicity, reprotox, sensitization, irritation).
- Search for available **quantitative values** (e.g., NOAEL) or **conclusions** (if available) such as positive/negative.
- **Structural search** (similarity, substructure).



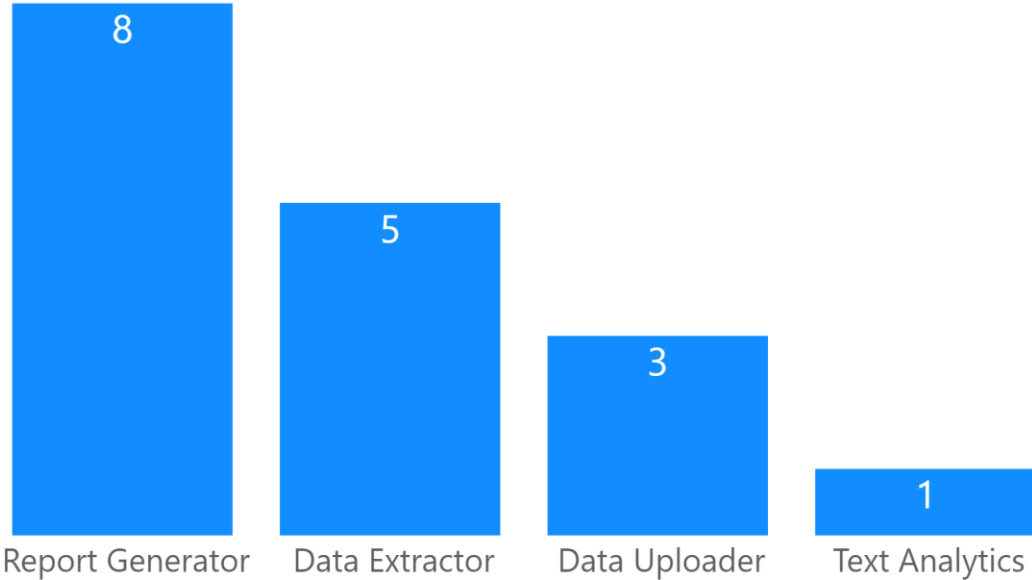
QUESTIONS #9 AND #10

Have you ever used any of the following **IUCLID tools**? Please specify which tool/s and the task/s you used it for, as well as your feedback on the usefulness of these tools:

- **Data Extractor**
- **Data Uploader**
- **Text Analytics**
- **Report Generator ***



Answer
● Yes

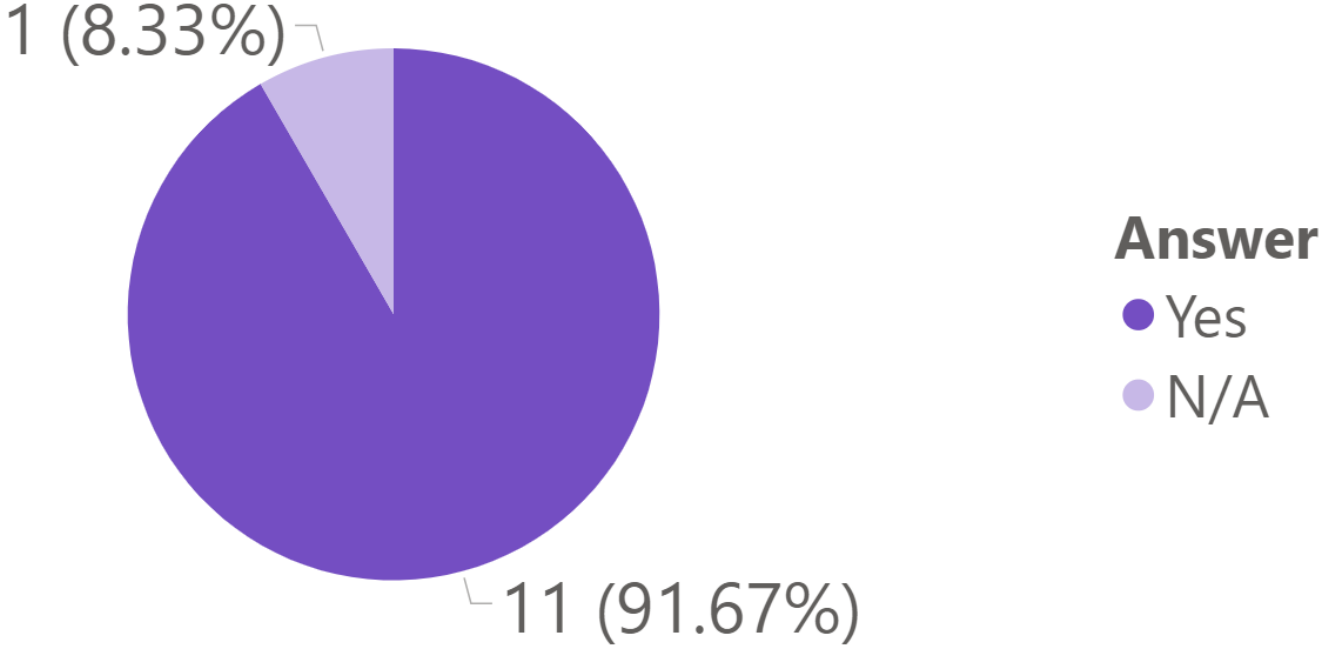


* Feedback received on performance issues and proposals for improvements available in Annex I



QUESTIONS #11 AND #12

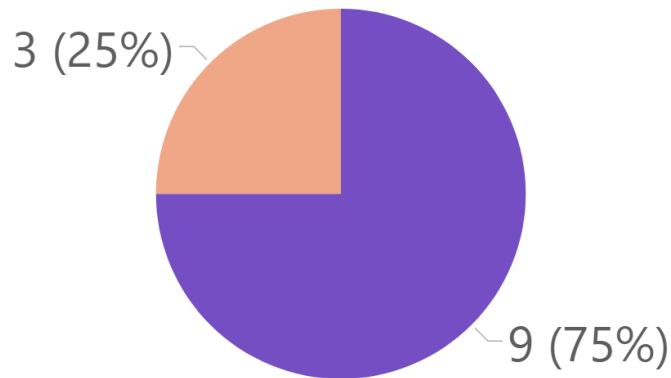
Would you like EFSA to further **improve** the **tools** mentioned above to facilitate the **risk assessment** of pesticide data in IUCLID? If not, please specify.



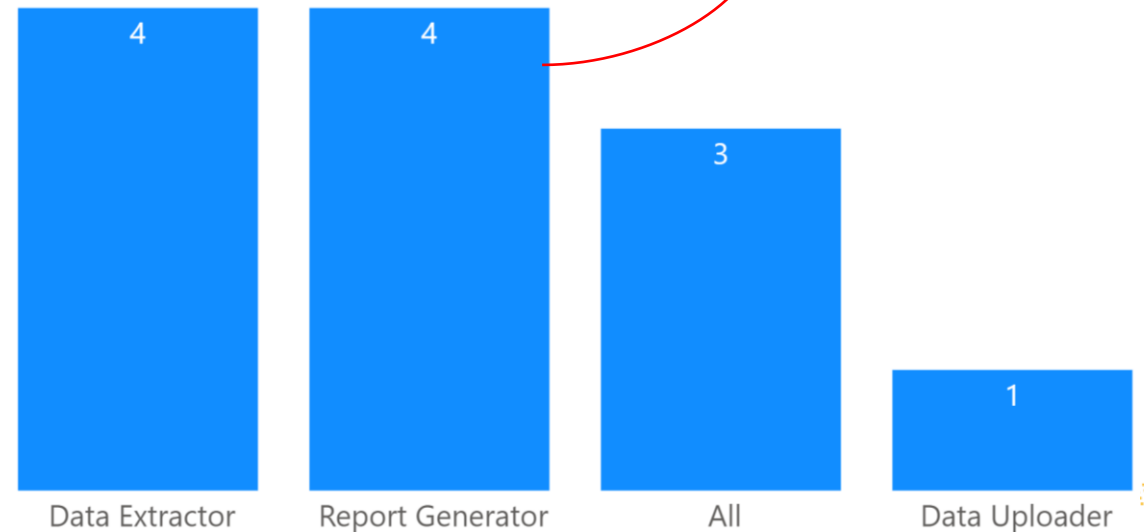
QUESTIONS #13 AND #14

Would you be willing to **collaborate** with EFSA to **improve** the **IUCLID tools**, e.g. Report Generator and tools for data reuse? Please specify which of the tools you would like to collaborate with EFSA on:

- **Data Extractor**
- **Data Uploader**
- **Text Analytics**
- **Report Generator**



Answer
● Yes
● No



- Document M CA Section 3 "Further information"
- Document M CP Section 6 "Efficacy data"
- Analytical, identity, and physical chemical properties



STAY CONNECTED

SUBSCRIBE TO

efsa.europa.eu/en/news/newsletters
efsa.europa.eu/en/rss
[Careers.efsa.europa.eu](https://careers.efsa.europa.eu) – job alerts



LISTEN TO OUR PODCAST

Science on the Menu – Spotify, Apple Podcast and YouTube



FOLLOW US ON TWITTER

[@efsa_eu](https://twitter.com/efsa_eu) [@methods_efsa](https://twitter.com/methods_efsa)
[@plants_efsa](https://twitter.com/plants_efsa) [@animals_efsa](https://twitter.com/animals_efsa)



FOLLOW US ON LINKEDIN

[Linkedin.com/company/efsa](https://linkedin.com/company/efsa)



FOLLOW US ON INSTAGRAM

[@one_healthenv_eu](https://instagram.com/one_healthenv_eu)



CONTACT US

efsa.europa.eu/en/contact/askefsa

