



4th EFSA Technical Group on PESTICIDES – IUCLID
17-18 June 2020

Section 7 Fate and Behaviour in the Environment

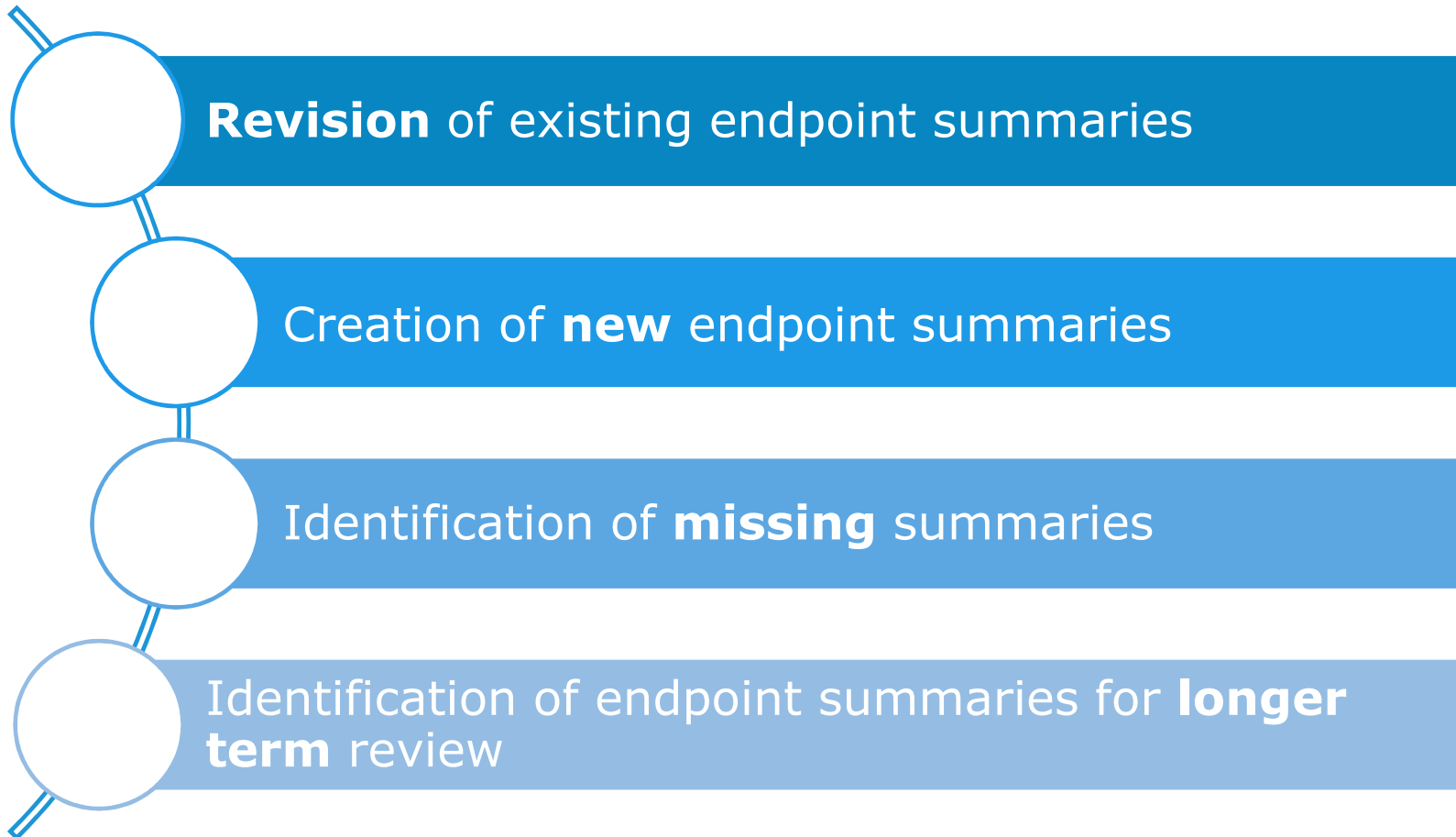
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to **agree adaptations to endpoint summaries which can be proposed for inclusion in the October release of IUCLID** (i.e. straight forward and non-controversial amendments), focusing on the endpoints for which comments were received during the pilot phase of IUCLID.

Where the sub-group agrees a more thorough review of a document is required it is sufficient to identify these **documents which a can be analyzed at a later phase in the project** and worked on in small group over the year and may be **included in the October 2021 release**.

Outline of the work done



Revised endpoint summaries (Release Oct 2020)



- **Biodegradation in water and sediment**

and

- **Biodegradation in soil**

- Rows added to report for each compartment (soil, water, sediment, whole system), DT50, DT90, type of kinetic models and chi square
- Two repeatable blocks added for reporting two types of degradation endpoints: persistence and modelling
- Rows added for kinetic formation fraction and info on precursor of a metabolite (parent or metabolite)
- Possibility to report geometric mean DT50 and arithmetic mean formation fraction

<https://dms.efsa.europa.eu/otcs/cs.exe?func=ll&objaction=overview&objid=23306075>

<https://dms.efsa.europa.eu/otcs/cs.exe?func=ll&objaction=overview&objid=23414003>

New endpoint summaries (Release Oct 2020)



- **Predicted Environmental Concentration (PEC) in Soil – Groundwater-Surface water and sediment**
 - The template for soil will be modified once the new approach for PEC_{soil} calculation - EFSA guidance 2017 - will be noted
 - Picklist entries added to report only key information used for risk assessment (initial PEC, TWA at 7 and 21 days, plateau concentration)
 - Values for input parameters already present in other summary documents or endpoints study records (e.g.: water solubility, vapour pressure) should not be entered, but for the time being they can be entered as free text
 - The same applies to the crop which can be directly linked to the GAP table

<https://dms.efsa.europa.eu/otcs/cs.exe?func=ll&objaction=overview&objid=23411564>

<https://dms.efsa.europa.eu/otcs/cs.exe?func=ll&objaction=overview&objid=23312804>

<https://dms.efsa.europa.eu/otcs/cs.exe?func=ll&objaction=overview&objid=23393220>

New endpoint summaries (Release Oct 2020)



- **Route of degradation in soil and in surface water/sediment**

- Possible to report the maximum occurrence of each metabolite observed, mineralization and non-extractable residues and results for different radiolabels

<https://dms.efsa.europa.eu/otcs/cs.exe?func=ll&objaction=overview&objid=23413663>

<https://dms.efsa.europa.eu/otcs/cs.exe?func=ll&objaction=overview&objid=23426469>

- **Residue definition for fate**

- <https://dms.efsa.europa.eu/otcs/cs.exe?func=ll&objaction=overview&objid=23312788>

- **Relevance of metabolites in groundwater**

<https://dms.efsa.europa.eu/otcs/cs.exe?func=ll&objaction=overview&objid=23415562>

- **Transport via air**

- <https://dms.efsa.europa.eu/otcs/cs.exe?func=ll&objaction=overview&objid=23415503>

Missing endpoint study (Release Oct 2020)

- **Aged sorption**
- For high tier studies (e.g.: plant uptake, wash-off, etc...) generic template can be used
- <https://dms.efsa.europa.eu/otcs/cs.exe?func=ll&objaction=overview&objid=23317886>

Longer term review (Release Oct 2021)



- **Field dissipation studies**
- **Combining degradation rates from laboratory studies with degradation rates obtained from field studies**
- **Adsorption/desorption in soil**
- **Mobility in soil**

Generic flexible templates are available for the time being to report these types of studies

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