

AI4NAMS - Deliverable 5

Draft case study report – Supplementary data

Case study 4

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1. Initial Data Collection, Unstructured Data Sources

1.1 Search string for PubMed – dioxin search

Full search string for PubMed for the dioxin search used in Initial Data Collection workflow step.

((in vitro) OR (in chemico) OR (in silico) OR (QSAR) OR (zebrafish) OR (danio rerio) OR (c. elegans) OR (transcriptom) OR (cell culture) OR (organ chip) OR (ex vivo) OR (cell line) OR (organoid) OR (Drosophila melanogaster)) AND ((aryl hydrocarbon receptor)AND((reproductive)OR(neuron))) AND ("2,3,7,8-Tetrachlorodibenzo-p-dioxin"[Title/Abstract] OR "polychlorodibenzo-4-dioxin"[Title/Abstract] OR "polychlorodibenzo-p-dioxin"[Title/Abstract] OR "TCDD"[Title/Abstract] OR "dioxin"[Title/Abstract] OR "tetradoxin"[Title/Abstract] OR "2,3,7,8-tetrachlorooxanthrene"[Title/Abstract] OR "Tetrachlorodibenzo-p-dioxin"[Title/Abstract] OR "Tetrachlorodibenzo-para-dioxin"[Title/Abstract] OR "PCDD 48"[Title/Abstract] OR "1,2,3,7,8-Pentachlorodibenzo-p-dioxin"[Title/Abstract] OR "PeCDD"[Title/Abstract] OR "1,2,3,7,8-PCDD"[Title/Abstract] OR "1,2,3,7,8-Pentachlorooxanthrene"[Title/Abstract] OR "1,2,3,7,8-Pentachlorodibenzo(b,e)(1,4)dioxin"[Title/Abstract] OR "12378-PeCDD"[Title/Abstract] OR "PCDD 54"[Title/Abstract] OR "1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin"[Title/Abstract] OR "1,2,3,6,7,8-HxCDD"[Title/Abstract] OR "1,2,3,4,7,8-hexachlorodibenzodioxin"[Title/Abstract] OR "123478-HxCDD"[Title/Abstract] OR "1,2,3,4,7,8-Hexachlorooxanthrene"[Title/Abstract] OR "PCDD 66"[Title/Abstract] OR "1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin"[Title/Abstract] OR "1,2,3,6,7,8-hexachlorodibenzodioxin"[Title/Abstract] OR "123678-HxCDD"[Title/Abstract] OR "PCDD 67"[Title/Abstract] OR "1,2,3,6,7,8-Hexachlorodibenzo-para-dioxin"[Title/Abstract] OR "1,2,3,6,7,8-Hexa polychlorinated dibenzo-p-dioxin"[Title/Abstract] OR "1,2,3,6,7,8-hexachlorooxanthrene"[Title/Abstract] OR "1,2,3,6,7,8-Hexachlorodibenzo(b,e)(1,4)dioxin"[Title/Abstract] OR "1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin "[Title/Abstract] OR "1,2,3,7,8,9-Hexachlorodibenzodioxin"[Title/Abstract] OR "1,2,3,7,8,9-HxCDD"[Title/Abstract] OR "PCDD 70"[Title/Abstract] OR "1,2,3,7,8,9-Hexachlorooxanthrene"[Title/Abstract] OR "123789-HxCDD"[Title/Abstract] OR "1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin "[Title/Abstract] OR "HpCDD"[Title/Abstract] OR "1,2,3,4,6,7,8-heptachlorodibenzodioxin"[Title/Abstract] OR "HCDD"[Title/Abstract] OR "1,2,3,4,6,7,8-HpCDD"[Title/Abstract] OR "1234678-HpCDD"[Title/Abstract] OR "PCDD 73"[Title/Abstract] OR "Octachlorodibenzo-p-dioxin"[Title/Abstract] OR "OCDD"[Title/Abstract] OR "octachlorodibenzo-4-dioxin"[Title/Abstract] OR "Octachlorodibenzodioxin"[Title/Abstract] OR "Octachlorodibenzo(b,e)(1,4)dioxin"[Title/Abstract] OR "PCDD 75"[Title/Abstract] OR "Octachlorodibenzo[b,4]dioxin"[Title/Abstract] OR "Octachloro-para-dibenzodioxin"[Title/Abstract] OR "octachlorooxanthrene"[Title/Abstract])

1.2 Search string for PubMed – furan search

Full search string for PubMed for the furan search used in Initial Data Collection workflow step.

((in vitro) OR (in chemico) OR (in silico) OR (QSAR) OR (zebrafish) OR (danio rerio) OR (c. elegans) OR (transcriptom) OR (cell culture) OR (organ chip) OR (ex vivo) OR (cell line) OR (organoid) OR (Drosophila melanogaster)) AND ((aryl hydrocarbon receptor)AND((reproductive)OR(neuron))) AND ("2,3,7,8-Tetrachlorodibenzofuran"[Title/Abstract] OR "TCDF"[Title/Abstract] OR "2,3,7,8-TCDF"[Title/Abstract] OR "Tcdbf"[Title/Abstract] OR "PCDF 83"[Title/Abstract] OR "2,3,7,8-Tetrachlorodibenzo[b,d]furan"[Title/Abstract] OR "2378-TCDF"[Title/Abstract] OR "1,2,3,7,8-Pentachlorodebenzofuran"[Title/Abstract] OR "PeCDF"[Title/Abstract] OR "12378-PeCDF"[Title/Abstract] OR "1,2,3,7,8-PCDBF"[Title/Abstract] OR "1,2,3,7,8-PCDF"[Title/Abstract] OR "PCDF 94"[Title/Abstract] OR "1,2,3,7,8-Pentachlorodibenzo[b,d]furan"[Title/Abstract] OR "2,3,4,7,8-Pentachlorodebenzofuran"[Title/Abstract] OR "4-PeCDF"[Title/Abstract] OR "2,3,4,7,8-pentachlorodibenzo[b,d]furan"[Title/Abstract] OR "PCDF 114"[Title/Abstract] OR "2,3,4,7,8-PeCDF"[Title/Abstract] OR "1,2,3,4,7,8-Hexachlorodibenzofuran"[Title/Abstract] OR "1,2,3,4,7,8-Hexachlorodibenzofuran"[Title/Abstract] OR "HCDB"[Title/Abstract] OR "HCDF"[Title/Abstract] OR "PCDF 118"[Title/Abstract] OR "1,2,3,4,7,8-Hexa polychlorinated dibenzofuran"[Title/Abstract] OR "1,2,3,4,7,8-hexachlorobenzofuran"[Title/Abstract] OR "1,2,3,6,7,8-Hexachlorodibenzofuran"[Title/Abstract] OR "1,2,3,6,7,8-HxCDF"[Title/Abstract] OR "PCDF 121"[Title/Abstract] OR "1,2,3,6,7,8-Hexa polychlorinated dibenzofuran"[Title/Abstract] OR "1,2,3,7,8,9-Hexachlorodibenzofuran"[Title/Abstract] OR "1,2,3,7,8,9-HxCDF"[Title/Abstract] OR "PCDF 124"[Title/Abstract] OR "1,2,3,7,8,9-hexachlorodibenzo[b,d]furan"[Title/Abstract] OR "2,3,4,6,7,8-Hexachlorodibenzofuran "[Title/Abstract] OR "2,3,4,6,7,8-HxCDF"[Title/Abstract] OR "PCDF 130"[Title/Abstract] OR "2,3,4,6,7,8-Hexachlorodibenzo[b,d]furan"[Title/Abstract] OR "1,2,3,4,6,7,8-Hepatchlorodibenzofuran"[Title/Abstract] OR "1,2,3,4,6,7,8-HpCDF"[Title/Abstract] OR "HCDBF"[Title/Abstract] OR "PCDF 131"[Title/Abstract] OR "1,2,3,4,6,7,8-Hepta polychlorinated dibenzofuran"[Title/Abstract] OR "1,2,3,6,7,8,9-Hepatchlorodibenzofuran "[Title/Abstract] OR "1,2,3,4,7,8,9-HpCDF"[Title/Abstract] OR "PCDF 134"[Title/Abstract] OR "Octachlordibenzofuran"[Title/Abstract] OR "OCDF"[Title/Abstract] OR "Perchlorodibenzofuran"[Title/Abstract] OR "PCDF 135"[Title/Abstract] OR "Perchlorodibenzo[b,d]furan"[Title/Abstract] OR "1,2,3,4,6,7,8,9-Octachlorodibenzo[b,d]furan"[Title/Abstract])

1.3 Search string for Scopus – dioxin search

Full search string for Scopus for the dioxin search used in Initial Data Collection workflow step.

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(TITLE-ABS-KEY( "in vitro"OR "in chemico"OR "in
silico"OR "QSAR"OR "zebrafish"OR "danio rerio"OR "c.
elegans"OR "transcriptom*"OR "cell culture"OR "organ chip"OR "ex vivo"OR "cell
line"OR "organoid"OR "Drosophila melanogaster" ) AND TITLE-ABS-KEY ( "aryl
hydrocarbon receptor" AND "repro*") OR ("aryl hydrocarbon receptor"
AND "neuro*") AND TITLE-ABS-KEY ({2,3,7,8-Tetrachlorodibenzo-p-
dioxin}OR {polychlorodibenzo-4-dioxin}OR {polychlorodibenzo-p-
dioxin}OR{TCDD}OR{dioxin}OR{tetradoxin}OR{2,3,7,8-
tetrachlorooxanthrene}OR{Tetrachlorodibenzo-p-dioxin}OR{Tetrachlorodibenzo-
para-dioxin}OR{PCDD 48}OR{1,2,3,7,8-Pentachlorodibenzo-p-
dioxin}OR{PeCDD}OR{1,2,3,7,8-PCDD}OR{1,2,3,7,8-
Pentachlorooxanthrene}OR{1,2,3,7,8-Pentachlorodibenzo(b,e)(1,4)dioxin}OR{12378-
PeCDD}OR{PCDD 54}OR{1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin}OR{1,2,3,6,7,8-
HxCDD}OR{1,2,3,4,7,8-hexachlorodibenzodioxin}OR{123478-
HxCDD}OR{1,2,3,4,7,8-Hexachlorooxanthrene}OR{PCDD 66}OR{1,2,3,6,7,8-
Hexachlorodibenzo-p-dioxin}OR{1,2,3,6,7,8-hexachlorodibenzodioxin}OR{123678-
HxCDD}OR{PCDD 67}OR{1,2,3,6,7,8-Hexachlorodibenzo-para-
dioxin}OR{1,2,3,6,7,8-Hexa polychlorinated dibenzo-p-dioxin}OR{1,2,3,6,7,8-
hexachlorooxanthrene}OR{1,2,3,6,7,8-
Hexachlorodibenzo(b,e)(1,4)dioxin}OR{1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin
}OR{1,2,3,7,8,9-Hexachlorodibenzodioxin}OR{1,2,3,7,8,9-HxCDD}OR{PCDD
70}OR{1,2,3,7,8,9-Hexachlorooxanthrene}OR{123789-HxCDD}OR{1,2,3,4,6,7,8-
Heptachlorodibenzo-p-dioxin }OR{HpCDD}OR{1,2,3,4,6,7,8-
heptachlorodibenzodioxin}OR{HCDD}OR{1,2,3,4,6,7,8-HpCDD}OR{1234678-
HpCDD}OR{PCDD 73}OR{Octachlorodibenzo-p-
dioxin}OR{OCDD}OR{octachlorodibenzo-4-
dioxin}OR{Octachlorodibenzodioxin}OR{Octachlorodibenzo(b,e)(1,4)dioxin}OR{PCDD
75}OR{Octachlorodibenzo[b,4]dioxin}OR{Octachloro-para-
dibenzodioxin}OR{octachlorooxanthrene}))
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1.4 Search string for Scopus – furan search

Full search string for Scopus for the furan search used in Initial Data Collection workflow step.

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(TITLE-ABS-KEY( "in vitro"OR "in chemico"OR "in
silico"OR "QSAR"OR "zebrafish"OR "danio rerio"OR "c.
elegans"OR "transcriptom*"OR "cell culture"OR "organ chip"OR "ex vivo"OR "cell
line"OR "organoid"OR "Drosophila melanogaster" ) AND TITLE-ABS-KEY ( "aryl
hydrocarbon receptor" AND "repro*") OR ("aryl hydrocarbon receptor"
AND "neuro*") AND TITLE-ABS-KEY ({2,3,7,8-
Tetrachlorodibenzofuran}OR {TCDF}OR {2,3,7,8-TCDF}OR {Tcdbf}OR {PCDF
83}OR {2,3,7,8-Tetrachlorodibenzo[b,d]furan}OR {2378-TCDF}OR {1,2,3,7,8-
Pentachlorodebenzofuran}OR {PeCDF}OR {12378-PeCDF}OR {1,2,3,7,8-
PCDBF}OR {1,2,3,7,8-PCDF}OR {PCDF 94}OR {1,2,3,7,8-
Pentachlorodibenzo[b,d]furan}OR {2,3,4,7,8-Pentachlorodebenzofuran }OR {4-
PeCDF}OR {2,3,4,7,8-pentachlorodibenzo[b,d]furan}OR {PCDF 114}OR {2,3,4,7,8-
PeCDF}OR {1,2,3,4,7,8-Hexachlorodibenzofuran}OR {1,2,3,4,7,8-
Hexachlorodibenzofuran}OR {HCDB}OR {HCDF}OR {PCDF 118}OR {1,2,3,4,7,8-Hexa
polychlorinated dibenzofuran}OR {1,2,3,4,7,8-hexachlorobenzofuran}OR {1,2,3,6,7,8-
Hexachlorodibenzofuran}OR {1,2,3,6,7,8-HxCDF}OR {PCDF 121}OR {1,2,3,6,7,8-Hexa
polychlorinated dibenzofuran}OR {1,2,3,7,8,9-
Hexachlorodibenzofuran}OR {1,2,3,7,8,9-HxCDF}OR {PCDF 124}OR {1,2,3,7,8,9-
hexachlorodibenzo[b,d]furan}OR {2,3,4,6,7,8-Hexachlorodibenzofuran
}OR {2,3,4,6,7,8-HxCDF}OR {PCDF 130}OR {2,3,4,6,7,8-
Hexachlorodibenzo[b,d]furan}OR {1,2,3,4,6,7,8-
Hepatchlorodibenzofuran}OR {1,2,3,4,6,7,8-HpCDF}OR {HCDBF}OR {PCDF
131}OR {1,2,3,4,6,7,8-Hepta polychlorinated dibenzofuran}OR {1,2,3,6,7,8,9-
Hepatchlorodibenzofuran }OR {1,2,3,4,7,8,9-HpCDF}OR {PCDF
134}OR {Octachlordibenzofuran}OR {OCDF}OR {Perchlorodibenzofuran}OR {PCDF
135}OR {Perchlorodibenzo[b,d]furan}OR {1,2,3,4,6,7,8,9-
Octachlorodibenzo[b,d]furan}))
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