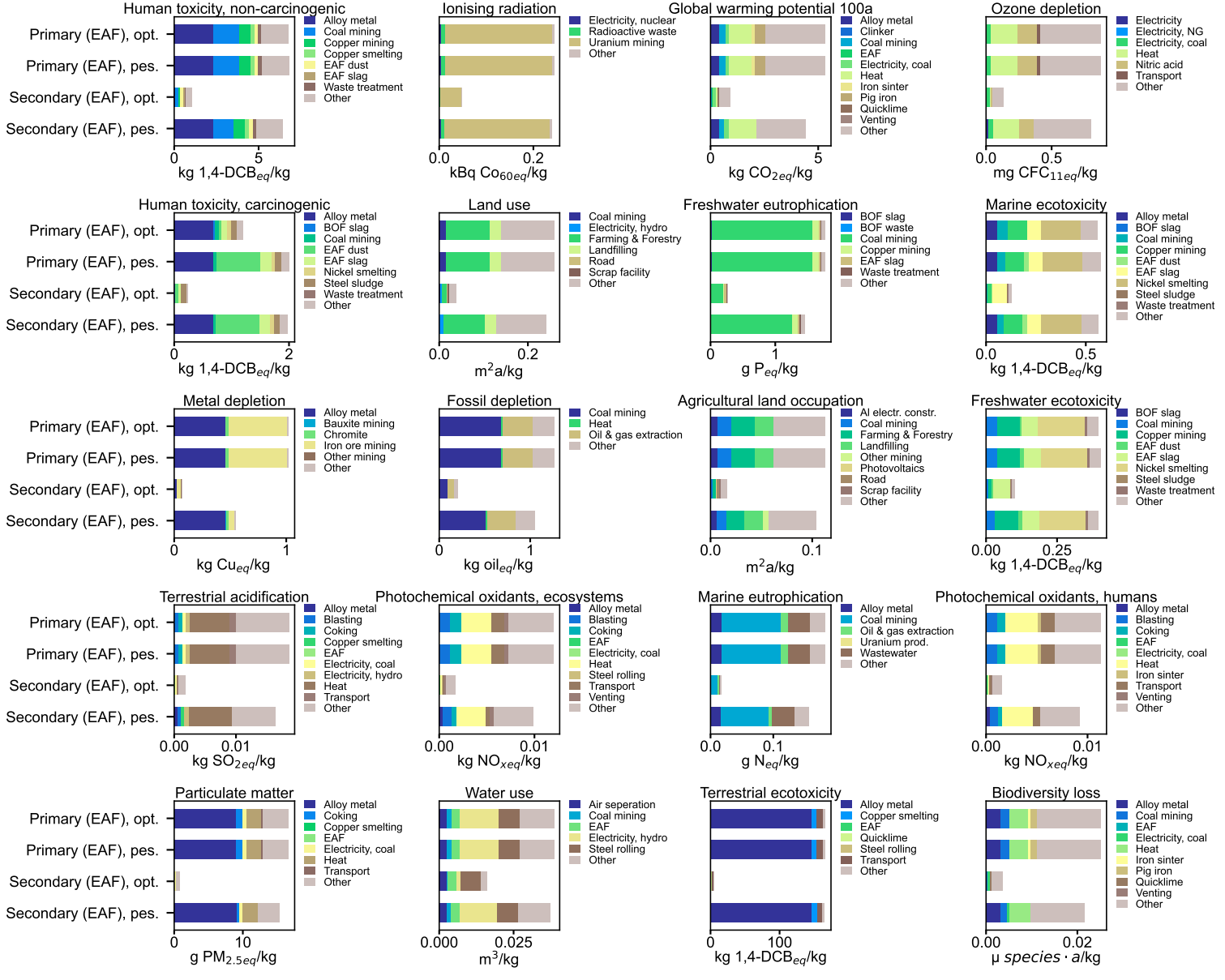
Human toxicity, non-carcinogenic
Primary (EAF), opt.
Primary (EAF), pes.
Secondary (EAF), opt.
Secondary (EAF), pes.
0
5
kg 1,4-DCB$_{eq}$/kg
Alloy metal
Coal mining
Copper mining
Copper smelting
EAF dust
EAF slag
Waste treatment
Other
Ionising radiation
0.0
0.2
kBq Co$_{60eq}$/kg
Electricity, nuclear
Radioactive waste
Uranium mining
Other
Global warming potential 100a
0
5
kg CO$_{2eq}$/kg
Alloy metal
Clinker
Coal mining
EAF
Electricity, coal
Heat
Iron sinter
Pig iron
Quicklime
Venting
Other
Ozone depletion
0.0
0.5
mg CFC$_{11eq}$/kg
Electricity
Electricity, NG
Electricity, coal
Heat
Nitric acid
Transport
Other
Human toxicity, carcinogenic
Primary (EAF), opt.
Primary (EAF), pes.
Secondary (EAF), opt.
Secondary (EAF), pes.
0
2
kg 1,4-DCB$_{eq}$/kg
Alloy metal
BOF slag
Coal mining
EAF dust
EAF slag
Nickel smelting
Steel sludge
Waste treatment
Other
Land use
0.0
0.2
m^{2}a/kg
Coal mining
Electricity, hydro
Farming & Forestry
Landfilling
Road
Scrap facility
Other
Freshwater eutrophication
0
1
g P$_{eq}$/kg
BOF slag
BOF waste
Coal mining
Copper mining
EAF slag
Waste treatment
Other
Marine ecotoxicity
0.0
0.5
kg 1,4-DCB$_{eq}$/kg
Alloy metal
BOF slag
Coal mining
Copper mining
EAF dust
EAF slag
Nickel smelting
Steel sludge
Waste treatment
Other
Metal depletion
Primary (EAF), opt.
Primary (EAF), pes.
Secondary (EAF), opt.
Secondary (EAF), pes.
0
1
kg Cu$_{eq}$/kg
Alloy metal
Bauxite mining
Chromite
Iron ore mining
Other mining
Other
Fossil depletion
0
1
kg oil$_{eq}$/kg
Coal mining
Heat
Oil & gas extraction
Other
Agricultural land occupation
0.0
0.1
m^{2}a/kg
Al electr. constr.
Coal mining
Farming & Forestry
Landfilling
Other mining
Photovoltaics
Road
Scrap facility
Other
Freshwater ecotoxicity
0.00
0.25
kg 1,4-DCB$_{eq}$/kg
BOF slag
Coal mining
Copper mining
EAF dust
EAF slag
Nickel smelting
Steel sludge
Waste treatment
Other
Terrestrial acidification
Primary (EAF), opt.
Primary (EAF), pes.
Secondary (EAF), opt.
Secondary (EAF), pes.
0.00
0.01
kg SO$_{2eq}$/kg
Alloy metal
Blasting
Coking
Copper smelting
EAF
Electricity, coal
Electricity, hydro
Heat
Transport
Other
Photochemical oxidants, ecosystems
0.00
0.01
kg NO$_{xeq}$/kg
Alloy metal
Blasting
Coking
EAF
Electricity, coal
Heat
Steel rolling
Transport
Venting
Other
Marine eutrophication
0.0
0.1
g N$_{eq}$/kg
Alloy metal
Coal mining
Oil & gas extraction
Uranium prod.
Wastewater
Other
Photochemical oxidants, humans
0.00
0.01
kg NO$_{xeq}$/kg
Alloy metal
Blasting
Coking
EAF
Electricity, coal
Heat
Iron sinter
Transport
Venting
Other
Particulate matter
Primary (EAF), opt.
Primary (EAF), pes.
Secondary (EAF), opt.
Secondary (EAF), pes.
0
10
g PM$_{2.5eq}$/kg
Alloy metal
Coking
Copper smelting
EAF
Electricity, coal
Heat
Transport
Other
Water use
0.000
0.025
m^3/kg
Air seperation
Coal mining
EAF
Electricity, hydro
Steel rolling
Other
Terrestrial ecotoxicity
0
100
kg 1,4-DCB$_{eq}$/kg
Alloy metal
Copper smelting
EAF
Quicklime
Steel rolling
Transport
Other
Biodiversity loss
0.00
0.02
μ species · a/kg
Alloy metal
Coal mining
EAF
Electricity, coal
Heat
Iron sinter
Pig iron
Quicklime
Venting
Other