



MCRA: probabilistic dietary risk assessment

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In cooperation with RIVM, NFA (Sweden), DFVF (Denmark), ISS (Italy), NIPH (Czech Republic), INRA (France)

MCRA a multi-user system, used by

- Food Safety Authorities
- Regulatory bodies
- Industry
- Researchers
- Used via the internet: <http://mcra.rikilt.wur.nl/mcra>

Probabilistic Risk Assessment

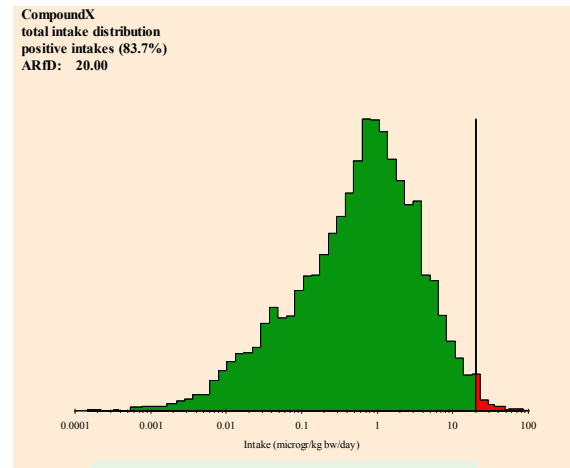
- Tiered approach for one chemical
- All food items consumed are considered
- Results for the whole population and consumers only
- Short-term and long-term intake assessment
- Cumulative risk assessment
- Modelling of
 - Processing effects
 - Unit variability
 - Data uncertainty

Pan-European risk modelling

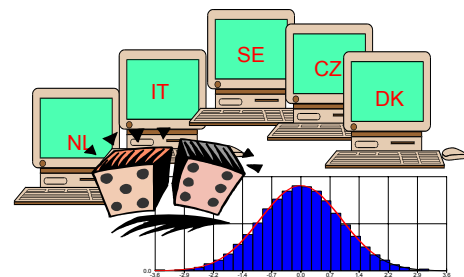
- Electronic platform using the Internet
- Covers the difference in food consumption habits per European country
- Harmonization of food codes
- Food as eaten converted into Raw Agricultural Commodities
- Data access agreements per database

Connected to other software

- Margin of Exposure; exposure and effect (BMD) modelling
- Multi-compound modelling and risk-trade off
- Risk-benefit analyses

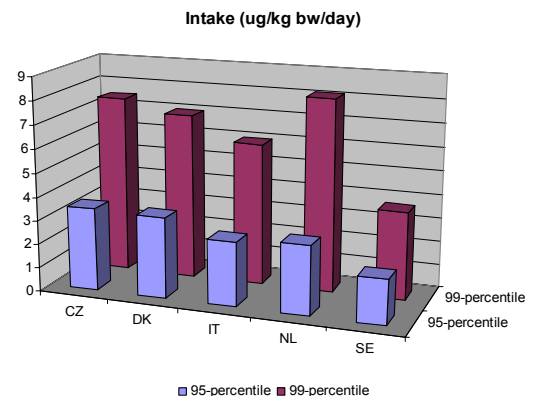


The whole intake distribution



MCRA-
software

Electronic platform of databases



Pan-European modelling

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